3.4.3: Number of Patents published/awarded during the last five years

Any additional information

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निर्गमन सं. 21/2017	शुक्रवार	दिनांक: 26/05/2017
ISSUE NO. 21/2017	FRIDAY	DATE: 26/05/2017

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/05/2017

(21) Application No.201721015720 A
(43) Publication Date : 26/05/2017

(54) Title of the invention : ENHANCED BANDWIDTH MICROSTRIP BASED RADIATING STRUCTURE USING COMPLEMENTARY SPLIT RING RESONATOR.

(51) International classification :H01P1/20
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)S.SREENATH KASHYAP
3)VISHAL SORATHIYA
4)YOGESH P KOSTA
(72)**Name of Inventor :**
1)SHOBHIT K PATEL
2)S.SREENATH KASHYAP
3)VISHAL SORATHIYA
4)YOGESH P KOSTA

(57) Abstract :
ABSTRACT Title: - Enhanced Bandwidth Microstrip Based Radiating Structure Using Complementary Split Ring Resonator A method of designing the Patch antenna configuration with enhancement in bandwidth is provided. First the Conventional patch antenna is designed and simulated. The circular patch is meandered at the edges to improve the radiation and ultimately the result of microstrip patch antenna. In the next design the Defective ground structure (CSRR) technique is implemented by etching the CSRR structure in the ground plane of the antenna. Interestingly There is an enhancement of 42% enhancement in the bandwidth when compared to conventional patch antenna and antenna loaded with CSRR configuration. The enhancement in terms of bandwidth is observed due to the mutual coupling between the CSRR and Microstrip patch which influences the impedance and current flow in the antenna. The number of bands in conventional patch antenna configuration is 3 where as in antenna configuration loaded with CSRR the number of bands is 4.

No. of Pages : 12 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/05/2017

(21) Application No.201721015352 A
(43) Publication Date : 02/06/2017

(54) Title of the invention : IMPROVED DIRECTIVITY AND ENHANCED BANDWIDTH ANTENNA CONFIGURATION FOR S BAND APPLICATIONS.

(51) International classification :H01Q1/24
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)JAY M TRIVEDI
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(72)**Name of Inventor :**
1)JAY M TRIVEDI
2)TILAK N DAVE
3)JEET R VAGHANI
4)S.SREENATH KASHYAP
5)SHOBHIT K PATEL

(57) Abstract :
ABSTRACT Title: - Improved Directivity and enhanced Bandwidth Antenna Configuration for S band Applications A method of designing the stacked DGS Circular Patch antenna configuration with enhancement in directivity and bandwidth is provided. In design 1 the Conventional circular patch antenna is designed and simulated. In the next design 2 the Stacking technique is implemented by varying the distance of separation between the patch (t) with respect to the thickness of the substrate (h) in which the distance is twice the height of the substrate, circular slots are created on the centre top portion and centre bottom portion of the upper patch. The upper patch is rotated at 45°. A defective ground structure is also embedded on the ground plane of the stacked DGS circular patch antenna configuration. The enhancement in terms of Return loss (S11), Gain, Directivity, Bandwidth is observed due to the variation in current distribution due to due to the shape and geometry of the DGS which influences the impedance. Mutual coupling between the patches takes place and the dielectric permittivity value of air is 1, permittivity of the air gets added up with the effective permittivity as a result the total permittivity of. the entire structure will increase which results in increase in bandwidth.

No. of Pages : 13 No. of Claims : 4

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PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

Application Details	
APPLICATION NUMBER	201721046246
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	22/12/2017
APPLICANT NAME	**MARWADI UNIVERSITY**
TITLE OF INVENTION	METHOD AND SYSTEM FOR OPEN PHOTOGRAPHY CAMERA
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	dewan@rkdewanmail.com
ADDITIONAL-EMAIL (As Per Record)	registrar@marwadieducation.edu.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	13/12/2019
PUBLICATION DATE (U/S 11A)	12/07/2019
REPLY TO FER DATE	26/10/2021

Application Status	
APPLICATION STATUS	Reply Filed. Application in amended examination

View Documents

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(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/07/2017

(21) Application No.201721024169 A
(43) Publication Date : 15/09/2017

(54) Title of the invention : NANOFOCUSING STAIRCASE TAPERED WAVEGUIDE STRUCTURE.

(51) International classification	:G06F 17/00 G02B 6/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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2)SHOBHIT K.PATEL
3)HARDIK DHAMECHA
4)YOGESH P. KOSTA
(72)**Name of Inventor :**
1)VISHAL SORATHIYA
2)SHOBHIT K.PATEL
3)HARDIK DHAMECHA
4)YOGESH P. KOSTA

(57) Abstract :
Title: Nanofocusing staircase tapered waveguide structure The method of designing the Nanofocusing staircase tapered waveguide structure using FDTD mathematical modelling with YEE grid equation is provided. Various steps of simulating the waveguide structure with mathematical and visual field is presented. First we need to define all the required mathematical parameter for FDTD simulation in main code engine. First the device structure staircase structure parameters have defined and generate the focusing geometry. A design parameter like height, width and material properties is defined. Suitable mode calculation is present after basic parameter definition. Later on boundary condition and other basic integration terms is defined in main code engine. After calculation of simulation time step code engine run the entire device with FDTD main loop.

No. of Pages : 13 No. of Claims : 3

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(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/03/2017

(21) Application No.201721011337 A
(43) Publication Date : 12/05/2017

(54) Title of the invention : PIXELORI PAINTING.

(51) International classification :H04N9/04, H04N5/228,
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)VISHAL SORATHIYA
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2)HARDIK DHAMECHA
3)S.SREENATH KASHYAP
4)SHOBHIT K PATEL
(72)**Name of Inventor :**
1)VISHAL SORATHIYA
2)HARDIK DHAMECHA
3)S.SREENATH KASHYAP
4)SHOBHIT K PATEL

(57) Abstract :
ABSTRACT Title:- PixelOri Painting A method of designing the PixelOri Painting using Image processing technology is provided. Various steps involved in this process of creating the Origami painting is presented. First the image which is needed to be converted into PixelOri Painting is loaded into the software. A reference image is to be loaded which is necessary be in blue colour. Later a negative image of the reference image should be created and further the process is continued by extracting the RGB value of the original images and adding the Pixel values of the negative reference image created. The same procedure is followed and the final PixelOri Painting is obtained which is a 3D image. Further the same PixelOri Painting is by considering and placing the pixel values from the database created. The hardcopy of the PixelOri Painting will be ready.

No. of Pages : 11 No. of Claims : 6

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INTELLECTUAL PROPERTY INDIA
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GEOGRAPHICAL INDICATIONS

Application Details	
APPLICATION NUMBER	201721012019
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	03/04/2017
APPLICANT NAME	**1 . VED VYAS DWIVEDI** **2 . S.SREENATH KASHYAP**
TITLE OF INVENTION	PLANAR ANTENNAS FOR TERAHERTZ FREQUENCY APPLICATIONS.
FIELD OF INVENTION	ELECTRONICS
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	vedvyasdwivediphd@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	12/05/2017

Application Status

View Documents

Filed → Published → RQ Filed → Under Examination → Disposed

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क्रमांक : 022116255
SL No :

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GOVERNMENT OF INDIA
पेटेंट कार्यालय
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पेटेंट प्रमाणपत्र
PATENT CERTIFICATE
(Rule 74 Of The Patents Rules)

पेटेंट सं. / Patent No.	:	386212
आवेदन सं. / Application No.	:	201721042883
फाइल करने की तारीख / Date of Filing	:	30/11/2017
पेटेंटी / Patentee	:	1.Dr. Sunil Kumar Tiwari 2.Dr. Santosh M. Bobade 3.Dr. Sarang Pande

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित PRESSURELESS CASTING METHODOLOGY नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 30th day of November 2017 से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled PRESSURELESS CASTING METHODOLOGY as disclosed in the above mentioned application for the term of 20 years from the 30th day of November 2017 in accordance with the provisions of the Patents Act,1970.

पेटेंट कार्यालय THE PATENT OFFICE GOVT.OF INDIA भारत सरकार

अनुदान की तारीख : 07/01/2022
Date of Grant :

पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, **30th day of November 2019** को और उसके पश्चात प्रत्येक वर्ष मे उसी दिन देय होगी।
Note. - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 30th day of November 2019 and on the same day in every year thereafter.

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Application Details	
APPLICATION NUMBER	201721016924
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/05/2017
APPLICANT NAME	**1 . VED VYAS DWIVEDI** **2 . S.SREENATH KASHYAP**
TITLE OF INVENTION	STACKED PATCH DEFECTIVE GROUND ARRAY ANTENNA CONFIGURATION FOR ISM BAND APPLICATIONS.
FIELD OF INVENTION	ELECTRONICS
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	vedvyasdwivediphd@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	23/06/2017

Application Status

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Application Details	
APPLICATION NUMBER	201721016918
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/05/2017
APPLICANT NAME	**1 . VED VYAS DWIVEDI** **2 . S.SREENATH KASHYAP**
TITLE OF INVENTION	STACKED PATCH TRIO DEFECTIVE GROUND STRUCTURE ANTENNA (T-DGS-A) CONFIGURATION FOR S-BAND FREQUENCY APPLICATIONS.
FIELD OF INVENTION	ELECTRONICS
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	vedvyasdwivediphd@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	02/06/2017

Application Status

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PUBLICATION OF THE PATENT OFFICE

INTRODUCTION

In view of the recent amendment made in the Patents Act, 1970 by the Patents (Amendment) Act, 2005 effective from 01st January 2005, the Official Journal of The Patent Office is required to be published under the Statute. This Journal is being published on weekly basis on every Friday covering the various proceedings on Patents as required according to the provision of Section 145 of the Patents Act 1970. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

(Om Prakash Gupta)
CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

29th DECEMBER, 2017

CONTENTS

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KOLKATA, 29/12/2017
Address of the Patent Offices/Jurisdictions
The following are addresses of all the Patent Offices located at different places having their Territorial Jurisdiction on a Zonal basis as shown below:-

1	Office of the Controller General of Patents, Designs & Trade Marks, Boudhik Sampada Bhavan, Near Antop Hill Post Office,S.M.Road,Antop Hill, Mumbai – 400 037 Phone: (91)(22) 24123311, Fax : (91)(22) 24123322 E-mail: cgpdtm@nic.in	4	The Patent Office, Government of India, Intellectual Property Rights Building, G.S.T. Road, Guindy, Chennai – 600 032. Phone: (91)(44) 2250 2081-84 Fax : (91)(44) 2250 2066 E-mail: chennai-patent@nic.in ❖ The States of Andhra Pradesh, Telangana, Karnataka, Kerala, Tamil Nadu and the Union Territories of Puducherry and Lakshadweep.
2	The Patent Office, Government of India, Boudhik Sampada Bhavan, Near Antop Hill Post Office,S.M.Road,Antop Hill, Mumbai – 400 037 Phone: (91)(22) 24137701 Fax: (91)(22) 24130387 E-mail: mumbai-patent@nic.in ❖ The States of Gujarat, Maharashtra, Madhya Pradesh, Goa and Chhattisgarh and the Union Territories of Daman and Diu & Dadra and Nagar Haveli	5	The Patent Office (Head Office), Government of India, Boudhik Sampada Bhavan, CP-2, Sector –V, Salt Lake City, Kolkata- 700 091 Phone: (91)(33) 2367 1943/44/45/46/87 Fax: (91)(33) 2367 1988 E-Mail: kolkata-patent@nic.in ❖ Rest of India
3	The Patent Office, Government of India, Boudhik Sampada Bhavan, Plot No. 32., Sector-14, Dwarka, New Delhi – 110075 Phone: (91)(11) 25300200 & 28032253 Fax: (91)(11) 28034301 & 28034302 E.mail: delhi-patent@nic.in ❖ The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan, Uttar Pradesh, Uttaranchal, Delhi and the Union Territory of Chandigarh.		

Website: www.ipindia.nic.in
www.patentoffice.nic.in

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 and The Patents (Amendment) Act, 2005 or by the Patents (Amendment) Rules, 2006 will be received only at the appropriate offices of the Patent Office.

Fees: The Fees may either be paid in cash or may be sent by Bank Draft or Cheques payable to the Controller of Patents drawn on a scheduled Bank at the place where the appropriate office is situated.

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कोलकाता, दिनांक 29/12/2017

• कार्यालयों के क्षेत्राधिकार के पते

विभिन्न जगहों पर स्थित पेटेंट कार्यालय के पते आंचलिक आधार पर दर्शित उनके प्रादेशिक अधिकार क्षेत्र के साथ नीचे दिए गए है:-

1	**कार्यालय : महानियंत्रक, एकस्व, अभिकल्प तथा व्यापार चिहन,** **एंटोप हिल डाकघर के समीप,** **एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037, भारत,** **फोन: (91) (22) 24123311** **फ़ैक्स: (91) (22) 24123322** **ई. मेल: cgpdtm@nic.in**	4	**पेटेंट कार्यालय, भारत सरकार** **इंटेलेक्चुअल प्रॉपर्टी राइट्स बिल्डिंग, इंडस्ट्रियल इस्टेट** **एसआईडीसीओ आरएमडी गोडाउन एरिया** **एडजसेन्ट टु ईगल फ्लास्क, जी. एस. टी. रोड, गायन्डी** **चेन्नई - 600 032.** **फोन: (91)(44) 2250 2081-84** **फ़ैक्स: (91)(44) 2250-2066** **ई. मेल: chennai-patent@nic.in** ❖ **आन्ध्र प्रदेश, तेलंगाना, कर्नाटक, केरल, तमिलनाडु तथा पुडुचेरी राज्य क्षेत्र एवं संघ शासित क्षेत्र, लक्षदीप**
2	**पेटेंट कार्यालय, भारत सरकार** **बौद्धिक संपदा भवन,** **एंटोप हिल डाकघर के समीप,** **एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037,** **फोन: (91) (22) 24137701** **फ़ैक्स: (91) (22) 24130387** **ई. मेल: Mumbai-patent@nic.in** ❖ **गुजरात, महाराष्ट्र, मध्य प्रदेश, गोवा तथा छत्तीसगढ़ राज्य क्षेत्र एवं संघ शासित क्षेत्र, दमन तथा दीव, दादर और नगर हवेली**	5	**पेटेंट कार्यालय, भारत सरकार** **कोलकाता, (प्रधान कार्यालय)** **बौद्धिक संपदा भवन,** **सीपी-2, सेक्टर- V, साल्ट लेक सिटी,** **कोलकाता-700 091, भारत.** **फोन: (91)(33) 2367 1943/44/45/46/87** **फ़ैक्स:/Fax: (91)(33) 2367 1988** **ई. मेल: kolkata-patent@nic.in** ❖ **भारत का अवशेष क्षेत्र**
3	**पेटेंट कार्यालय, भारत सरकार** **बौद्धिक संपदा भवन,** **प्लॉट सं. 32, सेक्टर- 14, द्वारका, नई दिल्ली- 110 075.** **फोन: (91)(11) 25300200, 28032253** **फ़ैक्स: (91)(11) 28034301, 28034302** **ई. मेल: delhi-patent@nic.in** **हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब,राजस्थान, उत्तर प्रदेश, दिल्ली तथा उत्तरांचल राज्य क्षेत्रों, एवं संघ शासित क्षेत्र चंडीगढ़**		

वेबसाइट: http://www.ipindia.nic.in

www.patentoffice.nic.in

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 2005 अथवा पेटेंट (संशोधन) नियम, 2006 द्वारा वांछित सभी आवेदन, सूचनाए, विवरण या अन्य दस्तावेज़ या कोई शुल्क पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में स्वीकृत होंगे।

शुल्क: शुल्क या तो नगद रूप में या Controller of Patents **के नाम में देय बैंक ड्राफ्ट या चेक के द्वारा भेजी जा सकती है जो उसी स्थान के किसी अनुसूचित बैंक में प्रदत्त हो जहाँ उपयुक्त कार्यालय स्थित है ।**

SPECIAL NOTICE

18 Months publication as required under Section 11A of the Patents Act, 1970 as amended by the Patents (Amendment) Act, 2005.

Notice is hereby given that any person at any time before the grant of Patent may give representation by way of opposition to the Controller of Patents at appropriate office on the ground and in a manner specified under section 25(1) of the Patents (Amendment) Act, 2005 read with Rule 55 of the Patents (Amendment) Rules, 2006.

Notice is also given that if any interested person requests for copies of the complete specification, drawing and abstract of any application already published, the photocopy of the same can be supplied by the Patent Office as per the jurisdiction on payment of prescribed fees of Rs.8/- per page. If any further details are required to be obtained, the same can be provided by the respective Patent Offices on request.

(Om Prakash Gupta)
CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

SPECIAL NOTICE

Under the new provision of the Patents Act, 1970 as amended by the Patents (Amendment) Act, 2005 and Rules there under, Publication of the matter relating to Patents in the Official Gazette of India Part III, Section 2 has been discontinued and instead The Official Journal of the Patent Office is being published containing all the activities of The Patent Office such as publication of all the patent applications after 18th months , grant of patents & all other information in respect of the proceedings as required under the provisions of the Patents (Amendment) Act, 2005 and Rules thereunder on weekly basis on every **Friday**.

The Journal is uploaded in the website every Friday. So Paper form and CD-ROM form of the Journal are discontinued from 01/01/2009.

SPECIAL NOTICE

Every effort is being taken to publish all the patent applications under section 11(A) of the Patents Act. However, if duplication of publication of any application is found, then earlier date of publication will be taken for the purpose of provisional protection for applicant and Patent Office will grant Patent not before six months from the date of second publication, provided that there is there is no third party representation.

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THE PATENT OFFICE

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कोलकाता/KOLKATA- 700 091.
दूरभाष/Tel : (91)(33)2367 1943-46
: (91)(33)2367 1987(D).

/No. :H-45011/1/2004-Admn. **Date:22-11-2017**

LIST OF HOLIDAYS FOR THE YEAR - 2018

The following days have been declared as Holidays to be observed by the Patent Office Kolkata during the year 2018.

Sl. No.	Holidays & Connected Festivals	Date	Days of Week
1	Basant Panchami/Sri Panchami	January, 22	Monday
2	Republic Day	January, 26	Friday
3.	Holi	March, 02	Friday
4.	Mahavir Jayanti	March, 29	Thursday
5.	Good Friday	March, 30	Friday
6.	Buddha Purnima	April, 30	Monday
7.	Idu'l Fitr	June, 16	Saturday
8.	Independence Day	August, 15	Wednesday
9.	Id-uz-Zuha (Bakrid)	August, 22	Wednesday
10.	Muharram	September, 21	Friday
11.	Mahatma Gandhi's Birthday	October, 02	Tuesday
12.	Dussehra (Maha Navami)	October, 18	Thursday
13.	Dussehra	October, 19	Friday
14.	Diwali (Deepavali)	November, 07	Wednesday
15.	Id-E-Milad (Prophet Mohammad Birthday)	November, 21	Wednesday
16.	Guru Nanak's Birthday	November, 23	Friday
17.	Christmas Day	December, 25	Tuesday

Note:- Central Government Organizations, which include industrial, commercial & training establishments (i.e. other than doing work of Secretariat nature) would observe 16 holidays in a year out of which 3 namely Republic Day, Independence Day and Mahatma Gandhi's Birthday will be compulsory. The remaining holidays/occasions may be determined by such Establishments/Organizations themselves on year to year basis.

In deciding whether a particular Deptt/Establishment/Organization an industrial commercial or trading organizations (i.e. other than those doing work of Secretariat nature) the decision may be taken by the respective Ministry/Ministry of Home Affairs, New Delhi.

The date **of** Holidays **for the** Muslim **festivals** may **be changed on sighting of the Moon and decision to be taken by the State Govt.**

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बौद्धिक सम्पदा भवन/BOUDDHIK SAMPADA BHAWAN
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दूरभाष/Tel : (91)(33)2367 1943-46
: (91)(33)2367 1987(D),

संख्या/No. : 45011/1/2004-**प्रशासन** दिनांक/Date: 22 -1**1**-2017

वर्ष 2018 में छुट्टियों की सूची

वर्ष 2018 के दौरान पेटेंट कार्यालय, कोलकाता के लिए निम्नलिखित दिनों की छुट्टी घोषित किया गया है।

क्र.सं.	**छुट्टियाँ तथा संबंधित त्यौहार**	**दिनांक**	**सप्ताह के दिन**
1.	बसंत पंचमी/श्री पंचमी	जनवरी, 22	सोमवार
2.	गणतंत्र दिवस	जनवरी, 26	शुक्रवार
3.	होली	मार्च, 02	शुक्रवार
4.	महावीर जयंती	मार्च, 29	गुरूवार
5.	गुड फ्राइडे	मार्च, 30	शुक्रवार
6.	बुद्ध पुर्णिमा	अप्रैल,30	सोमवार
7.	ईद-उल-फितर	जून,16	शनिवार
8.	स्वतंत्रता दिवस	अगस्त,15	बुधवार
9.	ईद-उल-जुहा (बकरीद)	अगस्त, 22	बुधवार
10.	मुहर्रम	सितम्बर,21	शुक्रवार
11.	महात्मा गाँधी जयंती	अक्तुबर,02	मंगलवार
12.	दशहरा के लिए अतिरिक्त दिन (महा नवमी)	अक्तुबर,18	गुरूवार
13.	दशहरा	अक्तुबर,19	शुक्रवार
14.	दिवाली (दिपावली)	नवम्बर,07	बुधवार
15.	मिलाद-उन-नवी या ईद-ए-मिलाद (प्रोफेट मोहम्मद जन्मदिवस)	नवम्बर,21	बुधवार
16.	गुरूनानक जयंती	नवम्बर,23	शुक्रवार
17.	क्रिसमस डे	दिसम्बर,25	मंगलवार

टिप्पणी: केन्द्र सरकार के संस्थानों में, जिनमें औद्योगिक, वाणिज्यिक तथा प्रशिक्षण प्रतिष्ठान (यथा सचिवालयी प्रवृत्ति से पृथक कार्य कराने वाले) शामिल हैं, इस वर्ष 16 अवकाश होंगे जिनमें से 3 (तीन) यथा गणतंत्र दिवस, स्वतंत्रता दिवस तथा महात्मा गाँधी जयंती अनिवार्य होंगे। शेष अवकाश/अवसर उन प्रतिष्ठानों/संस्थानों द्वारा प्रत्येक वर्ष स्वयं निर्धारित किए जायेंगे।

कोई विशेष/प्रतिष्ठान/संगठन औद्योगिक, वाणिज्यिक एवं व्यापारिक प्रतिष्ठान (अर्थात् सचिवालीयन प्रवृत्ति के कार्य करने वाले प्रतिष्ठानों के अतिरिक्त) है कि नहीं इसका निर्धारण संबंधित मंत्रालय/गृह मंत्रालय, नई दिल्ली द्वारा किया जाएगा।

मुस्लिम त्यौहारों की छुट्टी के दिन चाँद के दिखने तथा राज्य सरकार द्वारा लिए गए निर्णय के आधार पर बदले जा सकते हैं।

CORRIGENDUM (MUMBAI)

The Patent Application No.**201621008955** was published inadvertently in the **Official Journal No.51/2017 on 22/12/2017 Part-II Page No.50474**. The said publication may be treated as **Cancelled**. Fresh publication of the said application will be published in due course.

Early Publication:

The following patent applications have been published under section 11A (2) of The Patents (Amendment) Act 2005 and rule 24A of The Patents (Amendment) Rules, 2006. Any person may file representation by way of opposition to the Controller of Patents at the appropriate office against the grant of the patent in the prescribed manner under section 25(1) of the Patents (Amendment) Act 2005 read with the rule 55 of The Patents (Amendment) Rules, 2006:

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201711034038 A
(19) INDIA
(22) Date of filing of Application :26/09/2017
(43) Publication Date : 29/12/2017

(54) Title of the invention : SHOPPING ASSISTANT SYSTEM AND METHOD

(51) International classification	:G06Q30/00	(71)**Name of Applicant :**
(31) Priority Document No	:NA	**1)AKSHAY KUMAR**
(32) Priority Date	:NA	Address of Applicant :11, Rathore Nagar, Main Queens Road, Vaishali Nagar Rajasthan India
(33) Name of priority country	:NA	(72)**Name of Inventor :**
(86) International Application No	:NA	**1)AKSHAY KUMAR**
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
The invention generally relates to shopping assistant system and methods. The invention particularly relates to a system and method for rendering on a display device a plurality of displayed wearable articles, detecting selection of selected wearable article from among the plurality of displayed wearable article, detecting at least one body structure data of a user, rendering an image of the user wearing the selected wearable article.

No. of Pages : 28 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201711037479 A
(19) INDIA
(22) Date of filing of Application :24/10/2017
(43) Publication Date : 29/12/2017

(54) Title of the invention : RF SCALPEL WITH DUAL FREQUENCY RF GENERATOR

(51) International classification :A61B18/12
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)MANOJ SINGH
Address of Applicant :194, SHIVANI APT. PLOT-18, SECTOR-12, DWARKA NEW DELHI-110077, INDIA Delhi India
(72)**Name of Inventor :**
1)MANOJ SINGH

(57) Abstract :
I hereby claim that this drawback is over come by reducing the jaw area considerably with foil. Distinct advantages

No. of Pages : 14 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/09/2017

(21) Application No.201714033114 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD AND TERMINAL FOR DISPLAYING BOOT GRAPHIC

(51) International classification :H04M1/725
(31) Priority Document No :201611054736.2
(32) Priority Date :25/11/2016
(33) Name of priority country :China
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
Address of Applicant :No. 18 Haibin Road, Wusha, Chang™an, Dongguan, Guangdong-523860, China China
(72)**Name of Inventor :**
1)YONGPENG YI

(57) Abstract :
Disclosed are a method and a terminal for displaying a boot graphic as well as a storage medium. According to the method, a boot graphic is stored into a display cache of the terminal. A back light of a display screen of the terminal is turned on. The boot graphic on the display screen is displayed. FIGURE 1

No. of Pages : 23 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/09/2017

(21) Application No.201714033176 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD AND APPARATUS FOR HANDLING ABNORMALITY OF NETWORK COMMUNICATION FUNCTION AND STORAGE MEDIUM

(51) International classification :H04L29/06
(31) Priority Document No :201611147210.9
(32) Priority Date :13/12/2016
(33) Name of priority country :China
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
Address of Applicant :No.18, Haibin Road, Wusha, Chang'an, Dongguan, Guangdong 523860, China China
(72)**Name of Inventor :**
1)WEIQING LI

(57) Abstract :
Disclosed are method and apparatus for handling abnormality of a network communication function. When it is determined that a network communication function of a modem is abnormal, the is disconnected form a current cell, the current cell is set to be a barred cell, and a first barring duration within which the barred cell is set; and when a duration within which the barred cell is shorter than the first barring duration, one or more cells corresponding to a Radio Access Technology (RAT) supported bu the modem is searched for, the cell excluding the barred cell.

No. of Pages : 41 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/09/2017

(21) Application No.201714033177 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD AND APPARATUS FOR CONTROLLING TOUCH SCREEN OF TERMINAL, AND TERMINAL

(51) International classification :G06F3/041
(31) Priority Document No :201611167979.7
(32) Priority Date :16/12/2016
(33) Name of priority country :China
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
Address of Applicant :No.18, Haibin Road, Wusha, Chang'an, Dongguan, Guangdong 523860, China China
(72)**Name of Inventor :**
1)QIANG ZHANG
2)YIXUE GE
3)HAO WANG

(57) Abstract :
A method and apparatus for controlling a touch screen of a terminal as well as a terminal are provided. The method includes detecting a multi-touch event performed on terminal touch screen.The method also includes determining an area where multiple touch points corresponding to the multi-touch event are distributed, wherein the terminal touch screen is divided into a wrong-trigger prevention area, buffer area a normal touch area, the buffer area being located between the wrong-trigger prevention area and the normal touch area. The method also includes, when the multiple touch points are distributed in the wrong-trigger prevention area and the buffer area, controlling the touch screen to respond to a touch operation at the multiple touch points. Thus, a sliding operation on a terminal touch screen is prevented from being disconnected, and the accuracy of wrong-trigger prevention of the terminal is improved.

No. of Pages : 34 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/05/2017

(21) Application No.201711018646 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : IMPROVED CONNECTOR FOR ENTERAL FEEDING TUBES

(51) International classification :A61M39/10
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)POLY MEDICURE LIMITED
Address of Applicant :Plot No. 105, Sector 59, HSIIDC Industrial Area, Faridabad, Haryana 121 004, INDIA Haryana India
(72)**Name of Inventor :**
1)RISHI BAID

(57) Abstract :
An enteral connector (10) for use with an enteral feeding tube, syringe or extension set comprising: a body (12) having at least one passageway allowing the medical fluid to pass therethrough, the body comprising: an inlet port (14) having an inlet opening (16) of the passageway suitable for connection with an enteral feeder or male connector element; an outlet port (18) having an outlet opening (20) of the passageway having a mating portion or tube connecting portion (40) for connecting to an enteral feeding tube (22); a first cap (24) having an external wall (26) for covering the inlet port (14) being integrally connected to the body (12) by a first flexible part (32) and having a plug (40) with an opening (28), the plug being shaped and sized to fit into the inlet opening (16); a second cap (30) removably receivable in the opening (28) being integrally connected to the first cap (24) by a second flexible part (34).

No. of Pages : 25 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/12/2016
(21) Application No.201611042309 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DEVICE FOR ENHANCING OXYGEN CONTENT IN WATER

(51) International classification :C10M107/02
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)Yogesh Dhall
Address of Applicant :E-54, Guru Nanak Pura, Jail Road, New Delhi-110058 Delhi India
(72)**Name of Inventor :**
1)Yogesh Dhall

(57) Abstract :
The present invention relates to a water-purifying device, and more particularly, to a water-purifying device, which can enhance the oxygen content in water up to the desired level. The device contains three equal size portions wherein the middle portion is configured to allow the water to flow acquire a sine wave profile during its flow.

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/12/2017

(21) Application No.201711045079 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PORTABLE HUMAN HEIGHT MEASUREMENT DEVICE

(51) International classification :G01S15/88
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)Amit Pandey
Address of Applicant :M.I.G. 71 Vikas Nagar Vistar, Bargadwa, PO Fertilizer, Gorakhpur Uttar Pradesh India
(72)**Name of Inventor :**
1)Amit Pandey

(57) Abstract :
The present invention delivers a portable height measurement device to measure human height quickly and effectively. The device takes input from ultrasonic sensors for real world measurement, processes analog data under control unit and gives appropriate output means. The device comprises a box casing having two independent ultrasonic sensors trans-receiver with control inputs and output connectors. When the device is triggered after placing it proper on a subject™s head, it starts to measure height. After some quick calculations, the device shows its result via various output units such as audio-video displays, printers, speakers, and PC database interface. Theelectronic sensor based portable device gives a reasonable accuracy and precision for human height measurement.

No. of Pages : 7 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/09/2016

(21) Application No.201611033044 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SYSTEMS AND METHODS FOR FACILITATING REAL ESTATE TRANSACTIONS

(51) International classification :G06Q30/06
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)Ankur Gupta
Address of Applicant :307, Park Royal Apartments, GH NO. 80, Sector 56, Gurgaon, Haryana 122011, India Haryana India
(72)**Name of Inventor :**
1)Ankur Gupta

(57) Abstract :
System and method for facilitating property based transactions include profiling of the viewing user to identify authenticity, listing multiple properties, drawing a freehand parameter contour on a property map displayed to the user, automatically generating a geofence for the freehand parameter contour based on geographical location and popping a plurality of geofence properties based on tagging with a related address data field of listed said plurality of properties, requesting to book transaction engine in the server that is adapted to create in a virtual room to which at least one user device gains access for trading the one or more properties. Particularly, one or more bids includes computing and executing a valid higher bid for a forward auction, a lower bid of choice for a reverse auction, or an instant bid in real time.

No. of Pages : 62 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201721043885 A
(19) INDIA
(22) Date of filing of Application :07/12/2017
(43) Publication Date : 29/12/2017

(54) Title of the invention : DESIGN AND IMPLEMENTATION OF VEHICLE DETECTION INFRASTRUCTURE IN A VEHICLE TO AVOID ACCIDENTS DURING OVERTAKING USING SENSORS.

(51) International classification	:H04W 84/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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2)Prof. Vijayendra Sanjay Gaikwad
3)Dr. Dinesh Nanaji Chaudhari
4)Ganesh Dnyandeo Dudhe
(72)**Name of Inventor :**
1)Prof. Rahul Bhaurao Diwate
2)Prof. Vijayendra Sanjay Gaikwad
3)Dr. Dinesh Nanaji Chaudhari

(57) Abstract :
The proposed solution is to provide a set of sensors, installed in the front and at the back of vehicle which will assist the drivers and minimize the possibilities of road accident that occur due to overtaking of vehicles. This can be accomplished with, 1. Use of sensors at the front of the vehicle to detect any vehicle coming from the opposite direction, in a varying range of distance, and notify the same to any vehicle behind our vehicle through the use of a separate indication light present at the back of our vehicle . 2. Use of sensors at the back of the vehicle to detect and notify the overtaking intension of any vehicle behind our vehicle through a separate indicator placed at any location visible to the driver. This proposal is about providing a set of sensors to reduce the possibilities of road accidents. This is possible by detecting any fore coming vehicle in certain range (variable range) of the vehicle. Imagine a situation where a vehicle is trying to overtake our vehicle when, at the same time, another vehicle is passing by our vehicle or is in very close proximity of our vehicle. Now it is very important to indicate to the vehicle behind us that there is a vehicle passing by. Usually, this is done through some hand indication by the driver, due to which the driver may lose control over his/her own vehicle. Moreover, if the driver does not indicate anything manually, it may lead to disastrous consequences like fatal accidents and even loss of lives. This is the problem which we are trying to address through our proposed system. The sensors installed at the front of our vehicle will detect any vehicle passing in opposite direction and will notify this to the vehicle behind us so that its driver can wait for the vehicle to pass by before overtaking our vehicle. Similarly, the sensor installed at the back of any vehicle will detect another vehicle in close proximity behind it. This will be notified to the driver of a vehicle (through a separate indicator placed at any location visible to the driver) that another vehicle is intending to overtake it. Usually if any vehicle is trying to overtake another vehicle it flashes out a pass light to indicate its overtaking intension. This may distract the driver of the other vehicle and may cause collusion. With the effective implementation of our proposed system these potentials accidents caused due to the overtaking the intension of the vehicles on the road will get reduced.

No. of Pages : 20 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201721043919 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : A METHODOLOGY TO OBTAIN ECO-FRIENDLY CONSTRUCTION MATERIAL AND A MECHANISM TO VERIFY ITS STABILITY.

(51) International classification	:B28B 3/00 B65G 57/00 B28B 1/00	(71)**Name of Applicant :** **1)HEMRAJ RAMDAS KUMAVAT** Address of Applicant :05, NILKANTESHWER NAGAR, AMODE, SHIRPUR PHATA, TAL: SHIRPUR, DIST.: DHULE, MAHARASHTRA, INDIA. Maharashtra India **2)VIKRAM JITENDRAKUMAR PATEL** **3)GANESH VIJAY TAPKIRE**
(31) Priority Document No	:NA	(72)**Name of Inventor :** **1)HEMRAJ RAMDAS KUMAVAT** **2)VIKRAM JITENDRAKUMAR PATEL** **3)GANESH VIJAY TAPKIRE**
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :
This invention is built to provide a complete solution and to aggregate multiple facilities required in the field of construction. Here is a mechanism designed to obtain an innovative mixture for the cement with the used of the clay brick waste obtained from the construction debris which can provide further strength and can serve to be eco-friendly. The cost of the making is also reduced due to the procedure and material used. This system is also integrated with the facility to shift, erect and transport wet bricks without causing much damage and the system works autonomously till it is delivered to the area of storage. Even after the mixture is delivered systems are set up in the manufacturing unit to learn the stability of the construction made from the articles so that in case any situation arises, the respective authority can be informed and the needful can be immediately done.

No. of Pages : 20 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/12/2017

(21) Application No.201721044933 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : INTEGRATED MOBILE APPLICATION BASED SMART PARKING MANAGEMENT SYSTEM.

(51) International classification	:G08B 31/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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3)VAISHALI IYENGAR
4)DR. DIPANKAR DEB
5)SARAVANAN SENGUNTHAR
(72)**Name of Inventor :**
1)HIMALAYA SAVALIA
2)NIRMAL PATOLIA
3)VAISHALI IYENGAR
4)DR. DIPANKAR DEB
5)SARAVANAN SENGUNTHAR

(57) Abstract :
With the advent of increase in vehicles across the world, especially in large cosmopolitan cities, parking has become a huge matter of concern. Vehicle owners are finding it a menace at public spaces to park their vehicles safely. The poor parking management at public places and miserable parking sense amongst public has worsened the situation. ˜Integrated mobile based smart parking management system™ rightly addresses this problem. With the help of an integrated mobile application, sitting in car, the user can avail the details of empty parking slots in the periphery even without entering the parking plots. With minimal or no human intervention, this invention helps in easy, yet effective parking for both the owners as well as the management, with the help of an integrated mobile application, GPS navigation, e-wallets, barcodes, barcode scanners, number plate scanners. This invention is an idea to implement efficient and organized parking management of vehicles at large commercial, residential areas, public parking lots, and multilevel parking areas.

No. of Pages : 18 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201721045250 A
(19) INDIA
(22) Date of filing of Application :15/12/2017
(43) Publication Date : 29/12/2017

(54) Title of the invention : AUTOMATIC HELMET AND NUMBER PLATE DETECTION SYSTEM.

(51) International classification	:G06K 9/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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2)DIVYANGKUMAR PATEL
3)KANDARP PANCHAL
4)HARSH S. DHIMAN
5)DR. DIPANKAR DEB
(72)**Name of Inventor :**
1)NIRDESH SHAH
2)DIVYANGKUMAR PATEL
3)KANDARP PANCHAL
4)HARSH S. DHIMAN
5)DR. DIPANKAR DEB

(57) Abstract :
The present invention deals with automatic helmet and number plate detection system. In the current road network scenario human safety is of paramount importance, considering the fact helmets are to be made mandatory while driving. The number plate of a vehicle holds the information of the owner and in any case of theft, robbery or smuggling accurate number plate detection can help the authorities take quick action. This invention detects helmet and number plate on the vehicle along with the correct number plate format by taking account the vehicle type i.e. LMV, HMV or trucks. The invention uses Mega-pixel cameras placed at a distance of 50-100 m to capture the high-resolution images and extracts the number plate characters from the number plate. Also, this invention takes into account the over speeding cases in case the vehicle exceeds the limit. The image classification is done using machine learning algorithms like artificial neural networks, support vector machines etc.

No. of Pages : 14 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201721045274 A
(19) INDIA
(22) Date of filing of Application :16/12/2017
(43) Publication Date : 29/12/2017

(54) Title of the invention : DEVELOPMENT OF ARTIFICIAL SANDSTONE AND MATRIX FOR DETERMINING BEHAVIOUR OF SANDSTONE IN HERITAGE STRUCTURES

(51) International classification :E21B 43/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)DHANANJAY PATEL
3)SHIVAM SADADIYA
4)Dr. Dipankar Deb
5)Dr. Jiten Shah
(72)**Name of Inventor :**
1)ANKIT SHARMA
2)DHANANJAY PATEL
3)SHIVAM SADADIYA
4)Dr. Dipankar Deb
5)Dr. Jiten Shah

(57) Abstract :
Increasing growth of urbanisation, industrialisation, rapid development causes negative impact on Heritage Structures. This rapid growth causes deterioration, weathering, erosion and decay of Heritage Structures. These Heritage Structures are built thousands of years ago so the stone which is used for construction may /may not be available, due to continuous mining and excavation. If stone is not available, then replacement or rehabilitation of structure is done by using improper stone or stone which is available nearby or with cheaper stone. So, general identification and characterisation of stone is required. If stone is not available, then there is a need to develop artificial stone for retrofitting and rehabilitation of Heritage Structures. Artificial Sandstone provides exact characteristics and properties of stone which is as same as the stone which is used for construction of Heritage Structures. Manufacturing process of artificial sandstone is similar to other building material like bricks and concrete, but here particles are bound using calcium and magnesium silicates and sulphates, kaolin, clinoptilolite, fly ash, geo polymers and synthetic polymers like epoxy and by heating and compression artificial sandstones are prepared. Matrix provides information about properties of natural sandstone. So, any sandstone can be identified without performing any geological or geo-technical tests. Powder form of artificial sandstone can also be pasted on deteriorated and eroded small sculptures components.

No. of Pages : 18 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/04/2017

(21) Application No.201721014307 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : A CUTTING TOOL.

(51) International classification	:B07B 1/00 A45D 8/00 F16K 3/00	(71)**Name of Applicant :** **1)GAURANG DOONGURSEE** Address of Applicant :TOWER 1501, PLANET GODREJ, K. K. MARG, MUMBAI400011, Maharashtra India (72)**Name of Inventor :** **1)GAURANG DOONGURSEE**
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :
The present invention relates generally to a cutting tool and, particularly but not exclusively, relate to a cutting tool for cutting stones in mining and quarrying applications. The cutting tool (200, 300) comprises a wire (201, 301). A plurality of cutting beads (202A, 302A) are fixed to the wire (201, 301) at predetermined distances. Each of the cutting bead (202A, 302A) comprises a resilient element (202, 302) having a bore (203). A ceramic bead (204, 304) is adapted on the resilient element (202, 302). Plurality of crevices (C) are defined between adjacent turns (T) of the resilient element (202, 302). An encapsulation material (E) is injected inside the bore (203). Therefore, the encapsulation material (E) hardens to simultaneously, fix the cutting bead (202A, 302A) with the wire (201, 301), as well as grip each crevice (C) with the encapsulation material (E) to form the cutting bead (202A, 302A).

No. of Pages : 20 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/12/2017

(21) Application No.201721043312 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ELECTRIC TWO IN ONE VEHICLE FIRE EXTINGUISHER

(51) International classification	:A62C 13/00 A62C 37/00 A62C 35/00	(71)**Name of Applicant :** **1)MERALA, Prakash Govindaya** Address of Applicant :House No. 455, Flat No.303 Jai Khandoba Building, Opp. Marathi School, Sector 11, Juhugaon, Vashi Navi Mumbai Maharashtra - INDIA Maharashtra India (72)**Name of Inventor :** **1)MERALA, Prakash Govindaya**
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :
TITLE: ELECTRIC TWO IN ONE VEHICLE FIRE EXTINGUISHER • Abstract: The present disclosure discloses vehicle mountable fire extinguishing system that can be operated both in an automatic mode as well as in a manual mode. A fire sprinkler system is installed inside the fire extinguisher cylinder enabling the cylinder to dowse fire in areas little away from the sprinkler and cylinder. In failure of automatic mode, passengers travelling in a vehicle can operate fire extinguisher in a manual mode in a vertically held position for the safety purpose. The mounting of fire extinguisher can be possible without causing any changes in the make of the vehicle i.e. the fire extinguishing system can be adopted in any vehicle anytime. Figure 1A

No. of Pages : 51 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201721043506 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SMART AUTOMATIC WATER PUMP STARTER CONROL SYSTEM USING MOBILE PHONES .

(51) International classification	:H04L 12/00 H04L 29/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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3)Deepak Ashok Nathe
4)Ganesh Dnyandeo Dudhe
(72)**Name of Inventor :**
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2)Vijay Shanker Jha
3)Deepak Ashok Nathe

(57) Abstract :
Smart automatic water pump starter control system using mobile phones provides an excellent solution to this process. The farmer need not go to the farm to water his field. He can sit at his present place and start the motor on to water his field. No cabling or hardware connections are required to do this. Everything will be carried in a wireless fashion and this system is entirely an automated product. The GSM modem performs the task of receiving the message, call from the mobile and sending the messages to the mobile from the controlling unit. To the motor, GSM modem with the controlling unit will be fixed. If the farmer wishes to water his field, he needs to switch on the motor. Thus, he has to send a predefined message to the modem from his mobile. The GSM modem receives this message and intimates the same to the microcontroller. Now it is the job of the controller to switch on/ off the motor in accordance with the received message. Here we are also finding the fault detection of motor means Input voltage monitoring, Phase reverse monitoring, Overload protection, wiring fault & starter fault protection, Under load/dry run protection, Phase fault, Phase reverse, Dry run /Under load, and Overload etc.

No. of Pages : 13 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201721043983 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : LOW COST MECHANICALLY AUTOMATED LABORATORY SOIL COMPACTOR

(51) International classification	:E21B 49/02
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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2)Kamlesh B. Bhanarkar
(72)**Name of Inventor :**
1)Anjan Patel
2)Kamlesh B. Bhanarkar

(57) Abstract :
Present invention provides specially design and develops a low cost mechanically automated laboratory soil compactor. The basic idea behind developing this instrument is to (i) Minimize human efforts in laboratory soil compaction testing and (ii) uniform soil compaction in the testing mould. While achieving these goals, the target was again to reduce the cost of the instrument as much as possible. Attempt has been made to simulate the conventional proctor compactor in a more mechanically improved manner. In order to reduce the cost of the instrument and to make the instrument independent of power supply, no electrical or any electronics components have been added to the instrument. Unlike the conventional proctor compactor or the electrically operated auto compactor, the present instrument has an extra feature of height adjustments. Moreover, the failing weight is detachable and hence tests can be conducted with a range of compaction energy levels. Following invention is described in detail with the help of Figure 1 of sheet 1 showing the soil compaction machine.

No. of Pages : 18 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201721044040 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : GREEN BRICKS-BRICKS MADE FROM WASTE PLASTIC BAGS

(51) International classification	:E01C 11/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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2)Ganesh Dnyandeo Dudhe
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1)Rutticka Madhukar Kedare

(57) Abstract :
Basically plastic bags are used for numerous purposes but not all of them can be recycled so they end-up in landfills or stay littered on roads causing different types of pollution. Burning these plastics is not an effective way. Through this invention we are providing a way to recycle these pollution causing waste plastic bags by turning them into GREEN-BRICKS.These bricks/blocks are waterproof also they have high strength making them capable to bear heavy traffic also. They can help reduce the amount of waste plastic bags present in landfills by turning them into bricks/blocks. Also as they are waterproof they are expected to have a longer lifetime even if used in heavy rainfall region, thus making them more economical. If this material is used for making roads it can notably reduce the number of potholes formed during rains. These potholes cause numerous accidents also huge amount of money is spent later to repair these roads.

No. of Pages : 17 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/12/2017

(21) Application No.201721044503 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : GASKET AND CASTING STAND SYSTEM FOR SEALING AND CASTING OF ELECTROPHORESIS GELS.

(51) International classification	:B32B 17/00 F16J 15/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)MOTIWALLA MUSTAFA J.

(57) Abstract :
Gasket and gel casting stand for sealing and casting of electrophoresis gels. This innovation describes a gasket that can provide a leak proof environment for gel casting, survives long-term use and can be used with plates having chipped edges. This invention also aims to simplify the casting process by providing a stable clamping frame which uses the above gasket; the assembly which includes plates and spacers prevents the leakage of any liquid from the cassette, or multiple cassettes. The invention also discusses design modifications to gel plates and spacers for use with the gasket of this invention.

No. of Pages : 23 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201721044519 A
(19) INDIA
(22) Date of filing of Application :12/12/2017
(43) Publication Date : 29/12/2017

(54) Title of the invention : SMART WATER CONSERVATION METER AIDING EFFICIENT DISTRIBUTION

(51) International classification :F24D 19/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)ASHOK DEVRAM JANGID
4)NIKHIL KISHOR HARWANDE
5)GEETA SAJJAN NAVALE
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2)LALIT JAYWANT GOSKI
3)ASHOK DEVRAM JANGID
4)NIKHIL KISHOR HARWANDE
5)GEETA SAJJAN NAVALE

(57) Abstract :
The present invention is a novel Smart Water Conservation Meter comprising a Solenoid Valve, Flow Sensor connected to a Micro Controller, which interacts with the signals from the user from a hand held device for efficient management of water.

No. of Pages : 16 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201721029225 A
(19) INDIA
(22) Date of filing of Application :17/08/2017
(43) Publication Date : 29/12/2017

(54) Title of the invention : THREE-DIMENSIONAL PRINTING IN A NON-GRAVITATIONAL FIELD.

(51) International classification	:F16F 9/00 F41H 5/00	(71)**Name of Applicant :** **1)KENDURKAR, Chinmay** Address of Applicant :C-1/2, CTO Compound, Behind GPO, Near Police Commissioner's Office, Camp, Pune-411001, Maharashtra, India. Maharashtra India
(31) Priority Document No	:NA	(72)**Name of Inventor :** **1)KENDURKAR, Chinmay**
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
The present disclosure relates to a three-dimensional (3D) printing device 100 capable of printing/creating 3D objects. The proposed printing device 100 comprises at least one robotic arm 102 operatively configured with one or more nozzles 104 that dispenses an shear thickening fluid (STF) 106 or a non-Newtonian fluid, and an electricity generation system 108 configured to generate electricity of specific rated voltage and current, wherein electricity generated by the electricity generation system 108 flows through the shear thickening fluid (STF) 106, resulting in change in properties of the shear thickening fluid (STF) 106. The shear thickening fluid (STF) 106 is selected from any or a combination of a dilatant material, a shear thickening fluid, a magnetorheological fluid (MRF), an electrorheological fluid (ERF) or iono-printing gel.

No. of Pages : 26 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/09/2017

(21) Application No.201721034282 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : AUTOMATED APPARATUS FOR TOILET SEAT WITH FILM DISPENSING MECHANISM.

(51) International classification	:A47K 10/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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Maharashtra India
(72)**Name of Inventor :**
1)MR.BHALALA RAJ

(57) Abstract :
The present invention relates to the field of toilet seat apparatus for hygiene purpose which is capable of automatically dispensing a filmon a toilet seat 2. The said apparatusthrough a film dispensing portion 1A dispenses said film from a spindle 8 through a film dispensing path.Afllm cutting portion dispensing portion cuts the film dispensedon the toilet seat 2 at a fixed endll of the apparatus. A counterwheel 13 facilitates the said film dispensing portion 1A to run from the rear end of the spindle 8 and the counterwheel 13 onto said free moving part 10 of the apparatus. A motor 18 and a circuit 19 operates feeding of said film by predetermined control signals. A battery 12 supplies electricity to the control unit. FIGURE 6.

No. of Pages : 25 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/10/2017

(21) Application No.201721037025 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : A SYSTEM AND METHOD TO REPORT TRAFFIC VIOLATIONS VIA USER DEVICE AND OBTAINING CREDITS

(51) International classification	:G06F 17/00 G08G 1/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)Siddhant Malani

(57) Abstract :
A system and method for reporting traffic violations by a user device is described. The system may comprise user device, server and a processor coupled with the memory of the user device to perform a plurality of instructions. The method may comprise capturing one or more videos as an evidence of traffic violation through the capturing means attached and further geo-tagging the captured videos with the location co-ordinates where the violations had occurred wherein system enables extracting a registration number associated with the vehicle present in the captured videos. The method may comprise prompting and uploading the user to select at least one of the violations from the list of predefined violations along with captured one or more videos to the server via a network. The method may further comprise analysis of video and further generating a challan for a valid violation and sending to the vehicle owner.

No. of Pages : 30 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/12/2017

(21) Application No.201721045275 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : A SYSTEM FOR COMPOSTING OF FLOWER WASTE AND A METHOD THEREOF •

(51) International classification	:A01G 3/00
(31) Priority Docume t No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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2)Dayanand Sharma
(72)**Name of Inventor :**
1)Kunwar Durg Vijay Singh Yadav
2)Dayanand Sharma

(57) Abstract :
The present invention relates to a system and a method for composting of flower waste. More particularly, the present invention relates to a system for composting of flower waste and a method of composting the flower waste using the said system wherein flowers waste includes flowers, grass and leaves. Compost prepared with the said system is micro-nutrients rich and useful to the soil to eliminate the deficiency of the macro & micro-nutrients and organic content of the soil.

No. of Pages : 46 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/11/2017

(21) Application No.201721039248 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : TO CONFIRM THE IDEA OF USING LIQUIDS (CONDUCTING, PARTIALLY CONDUCTING AND NON CONDUCTING) TO ESTABLISH THE CONCEPT OF PASSIVE ELEMENTS SUCH AS RESISTOR, CAPACITOR, AND ACTIVE ELEMENTS SUCH AS DIODES AND TRANSISTORS.

(51) International classification	:H01L 27/00 H01L 21/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)SHOBHIT K. PATEL
3)FORAM RAJDEV
4)MEDHAVI KOSTA
(72)**Name of Inventor :**
1)YOGESHWAR P. KOSTA
2)SHOBHIT K. PATEL
3)FORAM RAJDEV
4)MEDHAVI KOSTA

(57) Abstract :
Title: To confirm the idea of using liquids (conducting, partially conducting and non conducting) to establish the concept of passive elements such as resistor, capacitor, and active elements such as diodes and transistors To establish and match the behaviour of conventional devices such as resistor, capacitor, diode and transistor with its liquid counterparts and to modify/change the key parameter of such devices at will by using suitable techniques and liquid properties-changing behaviours. Conventional devices and its liquid counterparts (resistor, capacitor, diode and transistor) are presented in detailed here in this patent.

No. of Pages : 13 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/12/2017

(21) Application No.201721044524 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : APPARATUS AND METHOD FOR ADVANCED CONSTRUCTION

(51) International classification	:E21D 23/10 E21D 23/24
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)Ajinkya Kishore Bawase

(57) Abstract :
In exemplary implementation of this invention, a nozzle is used to deposit casting material or to spray foam, layer by layer, for construction of various types of structures as per building information modelling (BIM) tool. Subtractive construction tool removes excess material from the constructed structure as per BIM tool. The casting material to be used in 3D printing may have characteristics such as extrudability, flowability, buildability, and compressive strength. Rapid curing casting material may be used in complex construction. Casting material may be deposited directly or may be deposited in the foam mould to achieve a particular shape. The nozzle may spray or deposit material in any direction, including at any altitudinal angle and at various azimuthal angle. Different densities of the casting material (e.g. concrete) can be extruded using this invention. Such different densities can be used for making sandwich panel, walls of varying thickness.

No. of Pages : 35 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/12/2017

(21) Application No.201721044536 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : BARRIGATED SHEET WITH REMOVABLE LOCK.

(51) International classification	:B65H 49/00 B65H 35/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)SANJAY VINODRAI SETH

(57) Abstract :
The present embodiment is a barrigated tape reel storage, transport, and dispensing device has a core supporting axle holding a tape roll for free rotation within a generally cylindrical durable polypropylene housing. Tape is fed through a tangential feed slot, over a support ledge, and beneath a V-shaped cutter. The cutter smoothly severs a desired length of tape without twisting or binding. A finger sized slot in the cutter allows precise and safe feeding and starting of the tape unwinding process. An integral carrying handle is incorporated into the housing top and a flat support surface is incorporated into the housing bottom. An integral central boss forms the axle for supporting the spool of tape. A flat retaining bar secures the tape within the housing while providing instant visual inspection of the remaining tape on the reel. The retaining bar is secured to the housing with a quickly removable wing nut or other quick fastener to allow easy replacement of tape spools.

No. of Pages : 13 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/11/2017

(21) Application No.201721042624 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : AN ALTRATION IN CEILING FAN TO CONSERVE AN ELECTRICITY BY APPLYING COMPOSITION OF MAGNETIC & POWER GENERATION PRINCIPLE.

(51) International classification	:F21L 13/00 F24F 7/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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1)MR. ADESH GANESHRAO PUJARI
2)MR. ROSHAN SHANKAR KAKADE
3)MR. SANDIP KALYAN BEDKUTE
4)MR. ALTAF ASAF MULLA

(57) Abstract :
In 21st century we are facing issues related energy, everyone would like to move towards Renewable energy sources here we would like to introduce project - AN ALTRATION IN CEILING FAN TO CONSERVE AN ELECTRICITY BY APPLYING COMPOSITION OF MAGNETIC & POWER GENERATION PRINCIPLE55. The objective of this project is to save an electricity consumption. This project is based on principles of magnetism & power generation through gears. As system for operating a ceiling fan without ACsupply, we required composition of motors, power generator, magnets &batteries.

No. of Pages : 10 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201721043659 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : A COMPOSITION FOR TREATMENT OF LEUCODERMA

(51) International classification	:A61K 31/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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Gujarat India
(72)**Name of Inventor :**
1)Vadher Jayshree Nandlal

(57) Abstract :
A composition for treatment of Leucoderma The present invention relates to a composition for treatment of leucoderma. It particularly relates to a mixture of herb extracts for the treatment of leucoderma. The formulation comprises different herb extracts reported as anti-leucodermal agents in a capsule form. The formulation provides natural remedies for leucoderma which reduces white patches on skin without any toxicity and side-effects. It reduces infection and irritation of the skin as well as boosts immune system. Leucoderma is produced by melanin which is a skin pigment and secreted by melanocytes (cells present in the skin), this formulation helps in inducing the production of the melanin and hence results in giving normal color to the skin.

No. of Pages : 34 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/12/2016
(21) Application No.201621041900 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : MODEL PREDICTIVE BASED CONTROL FOR AUTOMOBILES

(51) International classification	:B60W 20/11
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)SENGUPTA, Somnath
2)GURURAJA, Chethan

(57) Abstract :
Described herein is a model predictive control based system for a retrofit hybrid electric vehicle (HEV) or electric vehicle (EV). The system comprises a vehicle parameter input receive module to receive parameter inputs, a torque assist value generation module to process the received vehicle parameter inputs using a model predictive control (MPC) technique to generate an optimal torque assist value (torque/torque value in case of EV), where the optimal torque assist value being optimally split into a first torque component that is required for a vehicle engine and a second torque component that is required for vehicle motor in a manner so as to minimize fuel consumption and overall energy consumption while satisfying constraints associated with safety and drivability; and a motor operation module to operate a vehicle motor using a motor torque command generated based on the second torque component.

No. of Pages : 61 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/09/2016

(21) Application No.201621031813 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ROCKER ARM ASSEMBLY.

(51) International classification :F01L1/18
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)RUSHABH SURYAKANT PAREKH
3)KIRAN BHALCHANDRA VAIRAGKAR
4)ABHIJEET ANAND JIBHKATE

(57) Abstract :
The present invention relates to rocker arm assembly in an internal combustion engine, more particularly, it relates to rocker arm made by forming of sheet metal and the lubrication system therein. It imparts considerable weight reduction and thus decrease of inertia force. It also eliminates additional manufacturing operations as no external passages are required. Cost and time of manufacturing is reduced.

No. of Pages : 19 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/09/2017

(21) Application No.201721031295 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : IMPROVED BARGE FOR PRODUCTION OF PURE HYDROGEN, OXYGEN, AND SALT

(51) International classification	:C10J 3/00 C25B 1/02 C06B 39/02
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)KENDURKAR, Chinmay

(57) Abstract :
The present disclosure relates to production/generation of hydrogen, oxygen, and salt from sea water on a barge/boat. In an aspect, the system primarily comprises of a barge, a balloon/kite, a focusing mirror/lens, one or more solar panels which are mounted at top and sides of the barge, and on the surface of the balloon. In an aspect a mechanism and the balloon is configured to move/sail of the barge in the direction of the sun. The focusing lens is provided to concentrate sunlight at a desired point. An aspect of the present disclosure relates to capturing renewable source of energy such as but not limited to solar energy, wind energy, lightning energy, vibration energy, tide energy, sound energy etc., at sea, and utilizing the captured renewable source of energy to generate electricity for producing the electrolysis of saline water for producing/generating pure form of hydrogen, oxygen and NACL.

No. of Pages : 43 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201641045048 A
(19) INDIA
(22) Date of filing of Application :30/12/2016
(43) Publication Date : 29/12/2017

(54) Title of the invention : CHITOSAN REINFORCED MIXED OXIDE NANOCOMPOSITE FOR FLUORIDE REMOVAL FROM WATER AND A DEVICE THEREOF

(51) International classification	:C02F 5/10
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
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2)Anil Kumar Avula
3)Bibhuti Bhusan Rath

(57) Abstract :
ABSTRACT CHITOSAN REINFORCED MIXED OXYHYDROXIDE NANOCOMPOSITE FOR FLUORIDE AND ARSENIC REMOVAL FROM WATER AND A DEVICE THEREOF The present invention discloses an adsorbent composition of chitosan reinforced mixed oxide granular nanocomposite for water-related applications, specifically for water purification. The granular nanocomposite comprises active ingredients homogenized in the aggregated network of chitosan templated aluminum oxyhydroxide/2-line iron oxyhydroxide composite. The composition is versatile as any metal or non-metal ion (including transition metals and/or rare earth metals) can be used. The composition itself can be a water purifier, such as an adsorbent for fluoride and arsenic removal from water with excessively high fluoride and arsenic adsorption capacity.

No. of Pages : 53 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/12/2017

(21) Application No.201741045162 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : AUTOMATIC CAMBER MECHANISM FOR ROCKER-BOGIE AND SIMILAR SUSPENSION SYSTEMS

(51) International classification :B60G15/07
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)Mr. Dennis Choksi
4)Dr. Davidson Jebaseelan D
(72)**Name of Inventor :**
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2)Mr. Ritesh Goyal
3)Mr. Dennis Choksi
4)Dr. Davidson Jebaseelan D

(57) Abstract :
ABSTRACT An automatic camber mechanism is aimed to enhance the versatility of Rocker-Bogie suspension system and other similar suspension systems. The mechanisms does so by increasing the contact area between the wheels and the surface by automatically adjusting the camber of the wheels depending on the terrain the vehicle is travelling on. The system is further explained in the invention with diagrams and motion simulations.

No. of Pages : 15 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/12/2017

(21) Application No.201741045329 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : VERTICALLY HELD BOX MODULE OF A COUPLE OF SOLAR PANELS ENERGISED BY GLASS FIBER CABLES

(51) International classification :H01L31/042
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)T.R.JAYARAMAN

(57) Abstract :
A no of PV cells are combined in a solar panel and this is the unit along with similar size solar panel making a box. No tracking is necessary as the ends of glass fiber cables collect and transmit suns rays from all directions. Glass fiber cables hung loosely from the top and also thrust from sides, if needed, give transmission of solar rays to the panels , thus generating electricity

No. of Pages : 8 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/12/2017

(21) Application No.201741045334 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : BEST SURFACE PATH MONITORING SERVICE ON ROADS FOR VEHICLES SAFETY

(51) International classification :G08G1/017
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)Dr.G.Meera Gandhi
(72)**Name of Inventor :**
1)R.Aishwarya
2)Dr.G.Meera Gandhi

(57) Abstract :
In Recent years many solutions have been devised for Transport Infrastructure such as Traffic analysis, Shortest Path Navigation, Route Direction and Street View Images. The most important and current need of transport infrastructure has been governed towards the Road Surface Condition Monitoring. In the existing system most of the solution has been solved with Sensor technology: In spite of that, many of the techniques using sensors are lagging in existing method for monitoring road surface conditions and also there is no awareness for the people who travel for the first time. Initially visual survey of every road surface for the consent areas has been analyzed for a better solution. Survey can be done˜by taking spot survey when street View images are not available, as well as suggestions from the highway engineers. Further every information will be updated through CroWd Sensing and Vehicle-Based Sensing (GPS) method frequently which provides the reliable transport services to the client. In our work Fog Node is proposed to update the truthful data about the road surface 4 condition to the Clofid Server by using Signcryption method. Best path (GSM) for the Sensor Based Cars which ar nearer to Road Side Unit will be notified and the information will be provided for the requested customer on demand. The Performance can be proven with our proposed idea to achieve the best path retrieved, light weight storage and power, avoiding accident and proper route discovery can be done and also it will provide on time data for the road based clients through mobile application with Privacy Preserved Scheme.

No. of Pages : 20 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/12/2017

(21) Application No.201741044941 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SYSTEM AND METHOD FOR PROVIDING INFORMATION SECURITY OF LOCAL AREA NETWORK

(51) International classification	:G06F21/31; G06F21/62
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)Dr. M. JANGA REDDY
2)Dr. K. SRINIVAS
3)Dr. B. KAVITHA RANI

(57) Abstract :
7. ABSTRACT Exemplary embodiments of the present disclosure are directed towards a method for providing information security of local area network by carrying of data exchange through a two-input store digital information accessible through external network, and the traffic filtering and conversion apparatus are configured to be connected to an internal network.

No. of Pages : 11 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/12/2017

(21) Application No.201741044948 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DEVICE FOR SANITATION OF BED - RIDDEN PATIENT

(51) International classification	:A61G7/1023; A61G7/1026;
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)Joy M.V.

(57) Abstract :
ABSTRACT The device for sanitation of bed-ridden patient comprises of fine-fixed cot and one movable cot both with strings paved latterly on top. Both cots can be coupled. Strings of fixed cot will go between consecutive strings of movable cot if the movable cot is lifted. Bed of movable cot will be above level of fixed cot in the elevated position of movable cot. Patient can be laid over the bed in this position. The patient will be left alone on grill of fixed cot if the movable cot is lowered. Movable cot can be detached and the bed along with excreta can be taken out and cleaned. Patient can be cleaned separately. The patient can be transferred from movable cot to fixed cot and vice -versa by merely rotating handle in both directions for avoiding formation of bed-sore.

No. of Pages : 11 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/06/2017

(21) Application No.201741022346 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SYSTEM AND METHOD APPLIED FOR MONITORING, CONTROLLING AND PROCESSING INFORMATION FROM REMOTE DEVICES THROUGH CONFIGURABLE CLOUD BASED APPLICATION

(51) International classification	:H04L 29/00;G05B 19/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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1)KAVITHA PARTHASARATHY

(57) Abstract :
The present invention is, in general, directed towards developing a cost-effective solution aimed at energy conservation in a broader perspective. More specifically, the present invention is directed to a cost effective and highly scalable cloud based application for use by industry, enterprise, community where the energy demand and utilization is relatively on the higher side. This application involves monitoring of energy consumption or generation at source and in turn enables the user to control it as per the constraints configured in a given process. Apart from data monitoring, the application also empowers user with timed reports and data analytics allowing the capture of patterns, process anomalies, threshold limits which are determined as a deviation from predefined behavioral patterns/information at the source of energy consumption. The said invention has a built-in system of capturing infcrmation from multiple devices, from single or multiple sources, and thereafter involves a gated transmission of information over cloud to authorized users, with specifically enabled access, at predetermined configurable intervals. Each such source device shall directly communicate with the cloud based application using the known art techniques/Internet Of Things, wireless, ZigBee, BLE, MODBUS or PROFIBUS, other Serial communication protocols.

No. of Pages : 23 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/12/2017

(21) Application No.201741045772 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : INDUSTRIAL MULTI TESTING METER

(51) International classification :G01R15/12
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)S. Angalaeswari
(72)**Name of Inventor :**
1)Sarthak Sahni
2)S. Angalaeswari

(57) Abstract :
The invention in this paper presents an Industrial Multi Testing Meter device which includes many different features collaborated together. We have different circuits which will map the readings and display it over the LCD in a menu and over the phone via Bluetooth. We have calibrated few sensors and made most of them in such a way to give the most accurate values. Here we are using Atmel AT mega328 as a microcontroller, which act as the brain of the meter. It takes values from the sensors and IC™s and evaluates them using the formulas and equations. Then displays it over the output Screen and also transfers it via Bluetooth to the phone in app. We have prepared our own source algorithms and program which is in Embedded C • type programming language which consist of almost all the necessary formulas used in the calibration and calculation of the reading to be recorded in continuous time period. It is a very useful device from an industrial point of view as instead of carrying so many meters with them the person can carry only one with him which will make his/her works more quick & efficient. It alone does the work of many meters such as anemometer, tachometer, Lux meter, Ammeter, Voltmeter and manymore. Various load and no load tests have been performed and accuracy of the device is graded. All the respectiye outputs have been shown to validate the invention.

No. of Pages : 13 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/12/2017

(21) Application No.201741045810 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SEMI AUTOMATIC, COMPACT AND PORTABLE ROTARY BRUSH DISHWASHER

(51) International classification :A47L15/23
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)RANGA.N
(72)**Name of Inventor :**
1)KRISHNASAMY.K
2)RANGA.N

(57) Abstract :
A Semi-automatic, compact and portable rotary brush dishwasher consisting uniquely designed brush pair with internal water flow passages that is operated through electric motor with efficient water and dish wash liquid discharge systems capable of cleaning and rinsing kitchen utensils of different sizes, shapes and geometry made up of various materials.

No. of Pages : 14 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201741043854 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : AVOIDING THE DANGER OF FLOOD

(51) International classification :F16L55/24
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)M.MUTHU VIGNESH

(57) Abstract :
ABSTRACT Water is the important resource for the survival of the human being and other living organism, by understanding the need of water our ancestors, our Indian rulers and British government used the water resources effectively and maintained properly. In the past hundred years, Due to increase in population, the demand for water was increased and also technology development such as invention of electric motor & bore well, the usage of ground water was increased. As a result of this ground water level was reduced. The surface water resources has loosed its importance. The need of land for construction and other activities leads to acquisition of lake, reservoir and other drainage area. Our government has also approved this practice of acquisition of drainage land; because of this there is no chance to save rainwater and no possibility for runoff water to join in the sea. The main reason for flood that happened in Chennai was due to the less drainage capacity in short duration because of heavy rain. The rainfall rate was very much higher than the drainage rate. By knowing the structure of the earth, it is best way to join the surface of the earth and merun rock area by the PVC pipe or concrete pipe having proper filtration technique to allow and drain to excess water during flood. This is suitable for all places, it is more suitable for the places where there is no proper drainage facility and also for areas having less drainage facility. It helps us to protect human, crops and other living organisms from the danger of flood. This method was explained diagrammatically with complete specifications. This setup has to be made in the low land or low lying areas in order to avoid rising level of flood. If the setup was maintained properly the flood will not raise. It protects human and other living organisms from the danger of flood and also water is used for improving the ground water level. It serves at any time, If it is maintained properly.

No. of Pages : 15 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/12/2016
(21) Application No.201641044817 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : CELLULOSE MICROSTRUCTURES-TEMPLATED NANOCOMPOSITES WITH ENHANCED ARSENIC REMOVAL CAPACITY AND A PURIFIER THEREOF

(51) International classification	:C08B 15/00, B82Y 30/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)Thalappil Pradeep
2)Sritama Mukherjee
3)Avula Anil Kumar

(57) Abstract :
ABSTRACT The present invention relates to the method of preparing microcrystalline cellulose-based composites as adsorbents for water purification and related applications. The composite comprises an aggregated network of cellulose microcrystal and its derivatives templated 2-line iron oxyhydroxide. The granular composite acts as an active ingredient used for arsenic removal As(III) and As(V) from water with capacity greater than 98 mg/g, wherein the filtered water has an arsenic concentration below 10 parts per billion.

No. of Pages : 41 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/12/2016

(21) Application No.201641044873 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PTC HEATER AS LOAD AS WELL AS PART OF POWER SUPPLY CIRCUIT

(51) International classification	:H05B 1/00	(71)**Name of Applicant :** **1)TESCOM** Address of Applicant :No. 42(p) KIADB INDUSTRIAL AREA Electronics city phase 2, Bangalore-560 100 Karnataka India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72)**Name of Inventor :** **1)Balasubramani Vellaisamy** **2)Siddarth Balasubramani**
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
The present invention provides an electronic control solution for a mosquito repellent liquid vaporizer comprising a PTC heater which acts as an output load as well as a part of low voltage power supply circuit without using any dedicated dropping resistor or dedicated dropping capacitor. The PTC heater is driven by half wave rectifier and it also regulates the flow of current through Zener diode from high value to low value which increases the durability of Zener diode. Thus, the present invention uses fewer components to achieve safe as well as cost effective electronic control solution for mosquito repellent liquid vaporizer model and eliminates the need of separate low voltage power supply circuit to drive the electronic circuit.

No. of Pages : 13 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/11/2017

(21) Application No.201741042667 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : A SYSTEM AND METHOD TO DERIVE CONTEXT FROM PATTERNED COMMUNICATIONS IN ORDER TO CREATE UTILITY

(51) International classification	:G06F15/16; H04B1/02;
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)PRANAB DAS

(57) Abstract :
A method and system for naturally and economicallythrough fewer interactionsderiving context from a series of patterned communications to and fro a living being or another computer system, machine, or similar (actor) in order to autonomously determinewith cross-checking, if requiredthe future course of actions, perform works, add values, create utilities, etc.

No. of Pages : 33 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/07/2017

(21) Application No.201741023474 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PROCESS FOR PREPARING TRIPHENYLPHOSPHINE

(51) International classification :C07F9/5068
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)Mundla Maha Vishnu
3)Kallem Vamshidhar Reddy
4)Kotha Venkata Sri Ramanjaneya Seshu Kumar
5)Chandolu Ramesh Babu
6)Levaka Yallareddy
7)Vure Prasad

(57) Abstract :
A commercially viable, cost-effective one pot process for the preparation of triphenylphosphine (TPP) in high degree of yield, wherein triphenylphosphine oxide (TPPO) is treated with triphosgene in the presence of a halogenated solvent to form a solution containing triphenylphosphine dichloride (TPPCl2), which is further reduced in-situ with finely divided aluminium powder to yield triphenylphosphine, provided that the conversion of TPPO to TPPCl2 is performed in the absence of a catalyst.

No. of Pages : 14 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/12/2017

(21) Application No.201741045739 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PRIORITY QUEUE BASED WATER MANAGEMENT SYSTEM USING IOT

(51) International classification :G08B21/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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4)Mrs V Mahima
(72)**Name of Inventor :**
1)Dr. G R Kanagachidambaresan
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3)Mr. K. Vishnu Murthy
4)Mrs V Mahima
5)Mr. M. Rakesh Kannan
6)J SIVA SANKAR
7)V A SARAN
8)C. S. Shakthi Vignesh

(57) Abstract :
The main objective of the SMART WATER MANAGEMENT SYSTEM is to manage water consumption and allocation for gated community people. This system will measure the water level in sump tank(main tank), in each individual user tank. The control of this entire system is using android mobile application which is developed by our team. The administrator will have an admin application and user will have the client application. Once authentication is approved by the administrator, then based on plan approved by administrator quantity of water is allocated to corresponding user profile. The administrator can monitor the availability of water in sump tank and he can view the current plan of all consumers. A flow meter is placed in sump water tank to measure the volume of incoming water to the tank and it will return the value to the user. Another flow meter is placed in all users tank to measure the quantity of water delivered to an individual user. The processor will have records of user consumption, once the approved allocated quantity is delivered, then until administrator approve the renewal of plan no water will be delivered to the corresponding user. The user can Switch ON the water pump by using android mobile application. Once the tank is filled the motor will turn off automatically. While the water pump is serving for one user (Say user 1) another user(Say user 2) gives request for pump to serve for him, the microcontroller will keep his request in queue, even another user (Say user 3) gave request he will stand in queue after the previous request. This system is based on PRIORITY QUEUE management, so one client can be priority(Eg: gardening/ owner etc,.). Priority client will give first preference ever, even while pump serving for any user if priority client gives his request, the pump will stop serving him and make him as first in queue and start serve for priority client, once their service is finished, the pump will restart to serve the user how stand first in queue. If the sump water level is extremely low no user and priority client will be served.

No. of Pages : 17 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/09/2017

(21) Application No.201731032483 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD OF PRODUCING RAW MATERIALS FOR USE IN PRODUCING A DRY MIX CONSTRUCTION MATERIAL

(51) International classification :B65G47/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)BAWRI, Binod Kumar
2)BAWRI, Saroj
3)BAWRI, Malvika
4)KADABA, Raghunandan

(57) Abstract :
A method and a system for producing raw materials for use in producing a dry mix construction material (DMC) are disclosed. The method comprises the steps of obtaining a coarse aggregate having a mode average particle diameter (D1) in a predetermined range; obtaining a fine aggregate having a mode average particle diameter (D2) in range of 1/3 to 1/5 of the mode average particle diameter (D1) of the coarse aggregate; weighing a load of the coarse aggregate such that an amount (W1) of the coarse aggregate is in a range of 25 to 50 weight percentage of the DMC; weighing a load of the fine aggregate such that an amount (W2) of the fine aggregate is in a range of 25 to 42 weight percentage of the DMC; and mixing the weighed amount (W1) of the coarse aggregate and the weighed amount (W2) of the fine aggregate to obtain a first mixture for use in producing the DMC.

No. of Pages : 40 No. of Claims : 22

Publication After 18 Months:

The following Patent Applications have been published under Section 11A (3) of The Patents (Amendment) Act, 2005. Any Person may file representation by way of opposition to the Controller of Patents at the appropriate office against the grant of the patent in the prescribed manner under section 25(1) of the Patents (Amendment) Act, 2005 read with the rule 55 of The Patents (Amendment) Rules, 2006:

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201611009610 A

(19) INDIA

(22) Date of filing of Application :18/03/2016

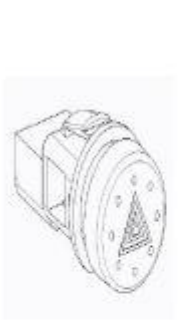
(43) Publication Date : 29/12/2017

(54) Title of the invention : AUTO CANCELLATION AND REESTABLISHMENT OF HAZARD

(51) International classification	:B60Q1/38	(71)**Name of Applicant :**
(31) Priority Document No	:NA	**1)MINDA INDUSTRIES LIMITED**
(32) Priority Date	:NA	Address of Applicant :Village Nawada Fatehpur, P.O.
(33) Name of priority country	:NA	Sikanderpur Badda, Distt. Gurgaon, Haryana 122004, India
(86) International Application No	:NA	Haryana India
Filing Date	:NA	(72)**Name of Inventor :**
(87) International Publication No	: NA	**1)SANDEEP SHARMA**
(61) Patent of Addition to Application Number	:NA	**2)VIJAY KUMAR RANA**
Filing Date	:NA	**3)MUKESH KUMAR PANDEY**
(62) Divisional to Application Number	:NA	**4)HARLEEN SINGH**
Filing Date	:NA	

(57) Abstract :

The present invention relates to a system and method for operating turn signal blinker bulbs of a vehicle, the system comprises: at least two left side blinkers and at least two right side blinkers; a blinker switch unit including a right blinker switch, a left blinker switch and a hazard switch; and a control unit coupled with the blinker switch unit and the at least two left side blinkers and the at least two right side blinkers, the control unit comprising: a memory and a processor coupled with the memory, the processor configured to: illuminate the left side blinkers when the left side blinker switch is actuated; illuminate the right side blinkers when the right side blinker switch is actuated; and illuminate both left and right side blinkers simultaneously when the hazard blinker switch is actuated; wherein, selectively illuminate either the right or left side blinkers when the respective blinker switch is actuated, while the hazard blinker switch is still in actuated mode.



Hazard Switch

Winker Switch

Relay (flasher unit)
(For providing pulsating input to lamp)

No. of Pages : 38 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/03/2016
(21) Application No.201611009612 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : A SWITCH ASSEMBLY

(51) International classification :G06F3/02
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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Haryana India
(72)**Name of Inventor :**
1)Rajive Rathore
2)Rahul Kumar
3)Manmeet Singh
4)Surender Kumar

(57) Abstract :
A switch assembly comprises a housing member is configured with a seat member, to bifurcate the housing member to a first compartment and a second compartment. Further, a first enclosure is configured within the first compartment of the housing member. A pressure actuator is configured to the first enclosure, and is capable of displacing up to a predetermined depth within the housing member, upon actuation of the first enclosure. An electronic unit is configured in the second compartment of the housing member. The electronic unit comprises an electronic board which is configured with one or more light sources. An electrical actuator is seated on the electronic board, wherein the electrical actuator upon actuation by the pressure actuator illuminates the one or more light sources for illumination. A second enclosure is removably configured to the housing member, wherein the second enclosure conceals the electronic unit within the housing member. Figure 8

No. of Pages : 24 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/03/2016

(21) Application No.201611009620 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : LOW AMPERAGE MICRO SWITCH ASSEMBLY

(51) International classification :H01H1/06
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)Rajiv Rathore
2)Rahul Sahni
3)Pradeep Kumar Morya
4)Naveen Kumar

(57) Abstract :
The present disclosure is directed towards a low amperage control switch for vehicles. The said control switch (100) comprises a housing (101) being configured with a cover (102) to define a hollow interior region (102a) therebetween. An actuation membrane (103) comprising a proximal end (103a) being disposed in the interior region (101a) of the housing (101), and a distal end (103b) emerging externally from the interior region through an opening (102a) in the cover (102). The distal end (103b) is adapted to be pressed through the opening in a longitudinal direction to actuate at least one contact switch. A contact switch (104) is disposed in an encapsulation (103c) formed by the proximal end (103a) of the actuation membrane (103) in the hollow interior region (101a) thereby preventing external contaminants such as dust and water from the reaching the contact switch (104) and ensuring discrete contact making/breaking of the contact switch (104).

No. of Pages : 23 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/04/2016
(21) Application No.201611009709 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SEALED ROTARY INDICATOR SWITCH WITH DOUBLE POLE DOUBLE THROW CIRCUIT

(51) International classification :H01H23/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)ANIL KUMAR VERMA
2)RAVINDER MEHLA
3)ABHISHEK KUMAR DUBEY
4)NITIN KUMAR SINGH

(57) Abstract :
The present disclosure discloses a rotary indicator switch assembly (1) with a sealing mechanism which prevents water/dust entry into switch unit. The switch has fixed construction and does not have any loose wires/parts, thereby providing easier assembly. The double pole double throw circuit, used provides more reliable and flexible circuit design. Such design reduces chances for IR failure and electric-erosion. In the present disclosure, a difference level is maintained between first moving contact (4) and second moving contact (5) i.e. there is a level difference in concentric moving contacts. Such distance which is maintained eliminates IR failure and electric-erosion issues. This present disclosure can be used for number of variants switches with different current rating by minor changes in child parts. It is designed in a way that the switch can be used in both clockwise and anti-clockwise rotation. [Figure 4b]

No. of Pages : 29 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/04/2016

(21) Application No.201611014578 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : HIGH CAPACITY THIRD GENERATION HUB BEARING ASSEMBLY

(51) International classification :F16C19/38
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)SINGH Arendra Pal

(57) Abstract :
A high capacity 3rd generation hub bearing assembly (200) comprising a pair of ball-cage assemblies (115) mounted on a hub outer (210) at a distance from each other, an outboard seal (130) mounted on the hub outer (210), a hub inner (105) having an extended portion, the hub inner (105) inserted in the hub outer (210) from a side of the outboard seal (130), a second inner (110) inserted in the hub outer (210) from a side resting on an outer diameter of the extended portion of the hub inner (105), and an inboard seal (125) mounted on the hub outer (210), wherein a cylindrical roller cage assembly (205) is disposed on the hub outer (210), in a space between the pair of ball-cage assemblies (115). Fig.2

No. of Pages : 18 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/04/2016

(21) Application No.201611015017 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PROCESS FOR PHYTOREMEDIATION USING NEPHTHYTIS

(51) International classification	:C02F3/32
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)KAUSHAL JYOTSNA
2)MAHAJAN POOJA

(57) Abstract :
The present invention disclose a novel process for phytoremediation on decolourization of two dyes Congo red and malachite green which are not only toxic but also carcinogenic. Nephthytis is used as a bio pump which treats harmful dye wastes from the water. Hydroponically grown Nephthytis treats the Congo red and malachite green waste water in different concentrations. Hydroponics technique provides extra oxygen and growth as compared to traditional soil gardening methods and phytoremediation by Nephthytis provides an easy and eco-friendly method for water cleaning. The process of present invention provides an economic benefit by intensively recycling and beautifying the environment as Nephthytis is also used as an ornamental plant.

No. of Pages : 17 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/04/2016

(21) Application No.201611015117 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : MODIFIED TOWER BOLT/LATCH

(51) International classification :E05C
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)PARDEEP SINGH BAINS
3)MOHIT KUMAR
4)SHUBHAM SINGHMAR
(72)**Name of Inventor :**
1)RAMAN KUMAR
2)PARDEEP SINGH BAINS
3)MOHIT KUMAR
4)SHUBHAM SINGHMAR

(57) Abstract :
The present invention discloses a modified tower bolt/latch that is very easy to unlatch. The inventors have provided a metallic clip that is fixed on one of the locking side of the slider bar knob of the tower bolt. When the user bends the slider bar knob toward left or right side for locking. The metallic clip is presses due to the movement of slider bar knob. So the metallic clip comes in between the slider bar knob and side where knob locks. To open or to rotate back the slider bar knob back to central position the user need to put pressure on metallic clip as it is done while removing cloths form the rope. As the metallic clip is pressed the slider bar knob of the tower bolt returns to the central position. Hence the slider bar is easily pulled down for unlatching.

No. of Pages : 12 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/04/2016

(21) Application No.201611015132 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : IMPROVED TOUCH BASED KEY HOLDER WITH FLASHLIGHT

(51) International classification :A45C15/06
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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Address of Applicant :Assistant Professor, Department of Electronics and Communication Engineering, Chandigarh University, Gharuan, Mohali,Pin-140413, INDIA Punjab India
2)KIRAN JOT SINGH
(72)**Name of Inventor :**
1)DIVNEET SINGH KAPOOR
2)KIRAN JOT SINGH

(57) Abstract :
The inventors of the present invention have developed a touch sensitive key holder that senses the human touch to find the keys attached with the key holder when place in a table/ bed drawer in dark as well as light environment. The user move hands in the drawer and if the hand comes in the distance of minimum threshold value of sensitivity of key holder or touches key holder surface it starts to illuminate the logo etched on its surface. A feature of sensitivity adjustment is provided in its circuit using which one can adjust distance from which it will sense human touch. The problem of false triggering is eliminated by repeatedly monitoring the sensed touch capacitance change and programmed accordingly to switch to its reset position automatically so as to save battery power. An additional flash light is provided in the key holder.

No. of Pages : 17 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/06/2016
(21) Application No.201611021878 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : INTEGRATED SYSTEM OF TRANSPORTATION AND STORAGE OF MAMMALIAN CELLS USING CRYOTROPIC POLYMERIC MATRIX AND THEREOF

(51) International classification :A61K9/70
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)Prof. Ashok Kumar
2)Ms. Jyoti Kumari

(57) Abstract :
The present invention relates to an integrated system of transportation and storage of mammalian cells using cryotropic polymeric matrix. The matrix comprises a porous three dimensional scaffold structure. The scaffold structure is made up of a non-adherent material. The scaffold structure is made up of an adherent material. The non-adherent material is a hydrophilic polymer made up of 2-hydroxyethyl methacrylate (HEMA) and agrose (HA). The adherent material is made up of gelatin. The scaffold structure is in the form of a cryovial or a tissue culture plate. The porous three dimensional scaffold structure is synthesized using a cryogelation technique. The porous three dimensional scaffold structure is used for the preservation and transportation of mammalian cells. The porous three dimensional scaffold structure is a ready-to-use scaffold structure. FIG. 1

No. of Pages : 23 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/06/2016

(21) Application No.201611021912 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : AN AIR CONDITIONING SYSTEM

(51) International classification :F24F3/147
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)VISHWAKARMA, Satyendra Kumar

(57) Abstract :
The disclosed air conditioning system has a blower disposed in an enclosure such that an outlet of the blower is connected to an inlet of a channel configured to carry air from the enclosure to the evaporator compartment of an air conditioning unit. The blower forces air to pass over an evaporator coil of the evaporator compartment, thereby maintaining positive pressure therewithin that prevents outside air and/or contaminants from entering therein. In case of space restriction, the blower is disposed within the evaporator compartment such that an inlet of the blower is connected to an outlet of a channel configured to carry air from the enclosure to the evaporator compartment. The channel is covered with another concentric channel that provides clean air flow to the leakage points on the channel. The blower forces air to pass over the evaporator coil, thereby maintaining positive pressure within the evaporator compartment. Fig.2

No. of Pages : 18 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/06/2016

(21) Application No.201611022045 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : NOVEL QUAD LAYER BANDAGES FOR IMMEDIATE RELIEF FROM PAIN AND WOUND HEALING.

(51) International classification	:A61K35/16
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)UPENDER NAGAICH
2)ASHISH KUMAR
3)ARUN KUMAR SHARMA

(57) Abstract :
The present invention provides a novel quad layer bandages for immediate relief from pain and wound healing. Quad layer bandage including; Benzocaine and Menthol, pure copper and capsaicin copper nanoparticles, pure silver and capsaicin silver nanoparticles, adhesive backing and Sodium polyacrylate Combination of silver, copper, capsaicim silver and capsaicin copper nanoparticles, will accelerate the process of wound healing, along with superior antibacterial action.

No. of Pages : 14 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/06/2016

(21) Application No.201611022046 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : IV FLUIDS LEVEL MONITORING AND NURSE NOTIFICATION SYSTEM THROUGH PIEZOELECTRIC ULTRA-SONIC SENSING

(51) International classification :A61M31/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)SURBHIT BHATNAGAR
2)ANITA THAKUR

(57) Abstract :
The present invention provides IV fluids level monitoring and nurse notification system through piezoelectric ultra-sonic sensing. It consists of a device which monitors the IV fluid level, in the saline bottle, through piezo-electric ultrasonic sensor and ultrasonic sensor without immersing it in the liquid inside the saline bottle hence maintaining its purity and hygiene, Apart from normal audio/ visual indication (LED) a personalized message is also being sent to the nurse in order to help her prioritize which patients saline bottle she needs to change with the help of a priortised notification system which keeps a track of the levels of liquid in all the saline bottles of different patients.

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/06/2016

(21) Application No.201611020044 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : TOPICAL COMPOSITION FOR TREATMENT OF BURNS WITH ENHANCED PENETRATION AND METHOD OF FORMULATING THE SAME

(51) International classification :A61K47/20
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)GYANENDRA SINGH
(72)**Name of Inventor :**
1)APARAJITA DUTTA
2)GYANENDRA SINGH
3)A. K. SRIVASTAVA

(57) Abstract :
The present invention provides a topical composition for treatment of burns with enhanced penetration and method of formulating the same following Quality by Design (QbD) approach. More specifically, the invention provides a topical composition for treatment of burns comprising micro silver sulfadiazine as an active pharmaceutical ingredient, and N, N-dimethylacetamide as a penetration enhancer which enhances transdermal penetration of the topical formulation and method of formulating the same. The addition of N, N-dimethylacetamide significantly increase the efficiency of the topical formulation without interfering with the properties of the active ingredients, however, by increasing the transdermal penetration and skin retention properties of the topical formulation.

No. of Pages : 39 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2016
(21) Application No.201611021360 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : A SYSTEM FOR INSTANTANEOUS POWER GENERATION TO PAIR A TRANSCEIVER UNIT AND A DIGITAL COMMUNICATION DEVICE IN A WIRELESS SENSOR NETWORK

(51) International classification	:H04B 1/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)Diwakar Vaish
Address of Applicant :52/79, Ramjas Road, Karol Bagh, New Delhi Delhi India
(72)**Name of Inventor :**
1)Diwakar Vaish

(57) Abstract :
This invention relates to a system to provide an instantaneous power generation for pairing between a transceiver unit and a digital communication device in a wireless sensor network. The transceiver unit is connected to a switch for generating a pulse using an enabling pin and a button cell is adapted to connect to the switch for providing the power supply to the circuit only for a duration of time while pressing the switch. The power is transferred via connecting a Vcc terminal of the transceiver unit and the button cell. Further, the transceiver unit, the button cell and the switch are mounted on a flexible printed circuit board. The ground terminal of the transceiver unit and the button cell are connected using a pair of via hole on the flexible printed circuit board (PCB). Accompanying drawing [Fig. 2]

No. of Pages : 20 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2016

(21) Application No.201611021505 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : GENOME WIDE QTLS FOR AGE AT FIRST CALVING IN BUFFALOES

(51) International classification	:C12Q 1/00	(71)**Name of Applicant :** **1)INDIAN COUNCIL OF AGRICULTURAL RESEARCH (ICAR)** Address of Applicant :INDIAN COUNCIL OF ARICULTURAL RESEARCH KRISHI BHAWAN, DR. RAJENDRA PRASAD ROAD, NEW DELHI-110114, INDIA Delhi India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	: NA	(72)**Name of Inventor :** **1)VIJH RAMESH KUMAR** **2)SHARMA UPASNA**
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :
The present invention relates to Genome wide identification of QTL for age at first calving in buffalo (Bubalus bubalis) using Genome wide SNPs. A total of 6215 SNPs were discovered and genotyped in 12 sires and their daughters which constituted a reference family. The bulls were selected from the breed tract of Murrah buffaloes. The reference family was created for the purpose of identification of QTLs for age at first calving. The phenotypic records of age at first calving of 1762 buffalos were obtained and verified for normal distribution. The data was subjected to analysis using single marker analysis using QTL Cartographer, composite interval mapping using R/qtl and meta-QTL analysis using Biomercator. A total of 86 QTLs have been identified for age at first calving in buffaloes. The QTLs were present on 21 autosomes (except BBUl0, BBU22 and BBU24).

No. of Pages : 22 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2016
(21) Application No.201611021506 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : GENOME WIDE QTLS FOR MILK FAT PERCENTAGE, MILK PROTEIN PERCENTAGE AND TOTAL MILK FAT YIELD AND TOTAL MILK PROTEIN YIELD IN BUFFALOES

(51) International classification	:C12Q 1/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)VIJH RAMESH KUMAR
2)SHARMA UPASNA

(57) Abstract :
The present invention relates to Genome wide identification of QTLs for milk fat percentage, milkprotein percentage, total milk fat yield and total milk protein yield in first lactation in buffaloes (Bubalus bubalis) using Genome wide SNPs. A total of 6215 SNPs were discovered on 24 autosomes and genotyped in 12 sires and their daughters.which constituted a reference family. The bulls were selected from the breed tract of Murrah buffaloes. The reference family was created for the purpose of identification of QTLs for milk yield. The phenotypic records of first lactation milk fat percentage, milk protein percentage were recorded for 1762 buffalos and verified for normal distribution. The data was subjected to analysis using single marker analysis using QTL Cartographer, composite interval mapping using R/qtl and meta- QTL analysis using Biomercator. A total of 3 10 QTLs have been identified for the fat percent, protein percent, total fat yield and total protein yield during first lactation in buffaloes. The number of QTLs were 71 for milk fat percentage, 70 for milk protein percentage, 84 for total milk fat yield and 85 for total milk protein yield. The QTLs .were present on all the autosome BBUl to BBU24 except q arm of BBU3 and autosome BBU13 for milk fat percentage, q arm of BBU3 and autosome BBUlO in milk protein percentage, p arm of BBU2 and BBU5 and autosome BBU17 & BBU23 in total milk fat yield and p arm of BBU4 in total milk protein yield.

No. of Pages : 33 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2016

(21) Application No.201611021507 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : GENOME WIDE QTLS FOR MILK YIELD IN BUFFALOES

(51) International classification	:C12Q 1/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)VIJH RAMESH KUMAR
2)SHARMA UPASNA

(57) Abstract :
The present invention relates to Genome wide identification of QTL for milk yield in buffalo (Bubalus bubalis) using Genome wide SNPs. A total of 6215 SNPs were discovered and genotyped in 12 sires and their daughters which constituted a reference family. The bulls were selected from the breed tract of Murrah buffaloes. The reference family was created for the purpose of identification of QTLs for milk yield. The phenotypic records of,Ki$t lactation milk yield of 1762 buffalos were obtained and verified for normal distribution. The data was subjected to analysis using single marker analysis using QTL cartographer, composite interval mapping using R/qtl and meta-QTL analysis using Biomercator. A total of 87 QTLs have been identified for the milk yield in buffaloes. The QTLs were present on all the autosomes except the q arm of BBU3 and p arm of BBU4. No QTL was identified on BBU19

No. of Pages : 24 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2016

(21) Application No.201611021508 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : GENOME WIDE QTLS FOR SOMATIC CELL COUNT IN BUFFALOES

(51) International classification	:C12Q 1/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)VIJH RAMESH KUMAR
2)SHARMA UPASNA

(57) Abstract :
The present invention relates to identification of QTLs for increased/decreased somatic cell count in buffalo (Bubalus bubalis) using genome wide SNP markers. A total of 6215 SNPs were discovered and genotyped in 12 sires and their daughters which constituted a reference family. The bulls were selected from the breed tract of Murrah buffaloes. The reference family was created for the purpose of identification of QTLs for Somatic cell count. The phenotypic records for Somatic cell count from first lactation milk yield of 1762 buffalos were obtained and were log transformed and verified for normal distribution. The data was subjected to analysis using single marker analysis using QTL Cartographer, interval mapping /composite interval mapping using R/qtl and meta-QTL analysis using Biomercator. A total of 65 QTLs have been identified for the somatic cell score in buffaloes. The QTLs were present on all the autosomes excep the p arm of BBU4 and autosome BBU6 and BBU19. This invention shall help in selection of sires for low somatic cell count for mastitis resistance in buffaloes.

No. of Pages : 22 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2016
(21) Application No.201611021518 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : A SYSTEM FOR PROTECTION OF A BUILDING FROM BIOLOGICAL AND CHEMICAL THREATS

(51) International classification	:F24F 11/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)VISHWAKARMA, Satyendra Kumar
2)NAIK, Prasad Madhukar
3)VALA, Kirit Kumar Hemrajbhai

(57) Abstract :
The present disclosure related to the field of mechanical engineering. The system disclosed prevents spreading of biological and chemical threats into and/or out of a building. The system detects the presence of the biological and chemical threat by a plurality of threat detectors. The system traps the air containing the biological and chemical threat within a delay duct or within a plurality of sections of the building. The trapped air is further sampled by the biological and/or chemical threat detector via a sampling tube. The system filters the air containing biological and chemical threats using a biological-chemical filter, thereby protecting the inhabitants of the building from the adverse effects of the biological and chemical threat.

No. of Pages : 21 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2016

(21) Application No.201611021527 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : VISION PLUS

(51) International classification	:A61K 36/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)ANMOL SINGH & KAUSHAL SINGH

(57) Abstract :
Our invention vision plus is deal with vision improvement. It includes ingredients Ganges water, extract of phyllonthus emblica, extract of roses. These ingredients are mixed in equal quantities & stored in clean, dry glass bottle covered with lid. Then this solution is ready to use for put in eyes.

No. of Pages : 6 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2016

(21) Application No.201611021581 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : A PROCESS OF PREPARING AN ALCLAD ALLOY SHEET

(51) International classification	:C22F 1/00	(71)**Name of Applicant :** **1)DIRECTOR GENERAL, DEFENCE RESEARCH & DEVELOPMENT ORGANISATION** Address of Applicant :Ministry of Defence, Govt of India, Room No.348, B-Wing, DRDO Bhawan, Rajaji Marg, New Delhi-110011,India. Delhi India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	(72)**Name of Inventor :**
(87) International Publication No	: NA	**1)ASHIM KUMAR MUKHOPADHYAY**
(61) Patent of Addition to Application Number	:NA	**2)GUNASEKARAN KIRUPAKARAN**
Filing Date	:NA	**3)SANJAY BARAI**
(62) Divisional to Application Number	:NA	**4)ABHISHEK BANERJEE**
Filing Date	:NA	**5)MUDIT GARG**

(57) Abstract :
The present invention relates to a process of preparing an Alclad alloy sheet of thickness 2 to 4 mm. AA2219 (Al-Cu-Mn-Ti-V-Zr) based alloy slab welded with the cladding alloy AA7072 (Al-Zn) plate is heated at 515 ± 5 °C for 20-24 h followed by hot rolling, cold rolling and heat treating to T83 temper comprising of solution treatment, quenching, cold working and artificial aging to attain the peak strength.

No. of Pages : 14 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2016

(21) Application No.201611021652 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : A PROCESS AND APPARATUS FOR THERMAL LAMINATION

(51) International classification	:B32B 27/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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1)Rajnish Mehra

(57) Abstract :
Disclosed is a process and apparatus of the thermal lamination to facilitate the lamination of the substrate with the thermoplastic lamination film specifically with the co-polymer coated polyethylene terephthalate film. In the process, co-polymer coated PET film is passed through an infra red heating system (14). Further the co-polymer coated PET film, a supporting layer which is a layer from the group of sealing layer, aluminum foil and LD foam and a printing strip are heated and pressed together with the heated cylinders (15a, 15b and 15c) for the laminate.

No. of Pages : 10 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/06/2016
(21) Application No.201611021663 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : A MULTI STAGE REVERSE OSMOSIS WATER PURIFYING SYSTEM

(51) International classification	:B01D 61/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)Abhay Pratap Singh

(57) Abstract :
Disclosed is a water purifying system with one and two stage purification for separating impurities from water using reverse osmosis membrane to provide a filtrate having less than 100 ppm TDS. One stage purification system includes a pump, a plurality of membrane filters in series and a feedback mechanism having non-return valve, control valve and solenoid valve. And two stage purification system includes a first unit pump, a first unit plurality of membrane filters, a first unit feedback mechanism, a second unit pump, a second unit plurality of membrane and a second unit feedback mechanism.

No. of Pages : 23 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/06/2016
(21) Application No.201611021686 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : RESOLVER-TO-DIGITAL SHAPE ERROR MEASURING DEVICE

(51) International classification	:G01D 5/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)YOON, Yeong-gyoo
2)LEE, Sang-min
3)KIM, Jae-hyung
4)LEE, Ju-hoon

(57) Abstract :
The present invention resolves the digital so that it can be quickly corrected that the output of the motor for the phase error is reduced by configuring ingestion by measuring the phase error of the resolved for sensing the rotational position motor digitally and to provide them in real-time. It relates to the phase error detection unit, connected to the motor shaft with which the correction target drive motor, which is installed to transfer the rotational force; By detecting the output signal which is changed in accordance with the angular displacement from the rotor of the motor to be resolved calibration target that is installed as a role of the sensor to obtain angular displacement of probe information; And from line-to-line voltage of the three-phase sine wave signal generated in the stator of the motor is corrected target extracts the Sin wave signal Cos wave counter electromotive force of the counter-electromotive force detection section that detects the phase angle of the rotor; Resolved signal detector for detecting the phase angle of the Sin wave Cos wave signal from which the resolved from bromo Reference Sin wave signal as input; Phase error to determine the error in the phase difference that occurs as compared with the respective rotor phase angle resolved phase trigonometric calculation the phase of the sine wave received provide information on from the counter electromotive force signal detecting section and the resolved signal detection unit determines part; And in that it comprises a technical base; and a phase error display unit configured to display the angle error of the three-phase sine wave signal from the stator of the motor phase angle resolved from the phase error determination part.

No. of Pages : 20 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/04/2017
(21) Application No.201714015058 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : APPARATUS AND METHOD TO IDENTIFY ENDOSCOPE TYPE AND PROVIDE TAILORED REPROCESSING

(51) International classification :A61L2/22
(31) Priority Document No :15/157,650
(32) Priority Date :18/05/2016
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)YANG, Sungwook
2)WILLIAMS, Harold R.

(57) Abstract :
An apparatus is operable to process a medical instrument by passing a detergent and a disinfectant through a plurality of channels defined by the medical instrument. The apparatus includes a detection system, a set of instrument profiles, and a control system. The detection system is configured to collect information regarding the channels of the medical instrument. The control system is configured to pass a detergent and a disinfectant through the channels of the medical instrument based at least in part on a selected instrument profile selected from the set of instrument profiles. The selected instrument profile is selected based at least in part on the information collected by the detection system.

No. of Pages : 38 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/05/2017

(21) Application No.201714015335 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : HIGHLY BORATED DISPERSANT CONCENTRATES FOR LUBRICATING OIL COMPOSITIONS AND METHODS FOR FORMING SAME

(51) International classification :C10M159/22
(31) Priority Document No :15/161,523
(32) Priority Date :23/05/2016
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)MEADS, Marc W.
2)EMERT, Jacob
3)HUA, Jun

(57) Abstract :
A process for producing a borated polyalkenyl succinimide dispersant composition in which the boron is incorporated primarily as cyclic metaboric acid moieties and the equivalents of boron incorporated per equivalent of nitrogen in the succinimide carrier is greater than 2; in which process a slurry of orthoboric acid is added to a polyalkenyl succinimide to form a reaction mixture, which reaction mixture is then heated under conditions (at a temperature and pressure and for a time) sufficient to remove from the reaction mixture from about 0.8 to about 1.2 moles of WICS of r5actiljn per inolc of boric; acid charged.

No. of Pages : 22 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/05/2017
(21) Application No.201714015677 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : APPARATUS AND METHOD TO MEASURE CONCENTRATION OF DISINFECTANT IN MEDICAL DEVICE REPROCESSING SYSTEM

(51) International classification	:G16H 40/00
(31) Priority Document No	:15/157,952
(32) Priority Date	:18/05/2016
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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1)FANG, Yan
2)NGUYEN, Nick N.
3)LU, Kaitao

(57) Abstract :
A medical instrument processor includes an enclosure, a liquid distribution system , and a disinfectant concentration measuring subsystem. The enclosure is configured to hold a medical instrument. The liquid distribution system is configured to deliver a disinfection solution to a medical instrument within the enclosure. The liquid distribution system has a liquid outlet. The disinfectant concentration measuring subsystem includes a first mixing chamber in fluid communication with the liquid outlet, a pump that is configured to simultaneously pump the disinfection solution and the reagent solution into the first mixing chamber, and a concentration analysis assembly that is operable to determine a concentration of disinfectant in a sample solution that is output from the first mixing chamber. The reservoir is in fluid communication with the first mixing chamber.

No. of Pages : 52 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/05/2017

(21) Application No.201714015763 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD, APPARATUS AND STREAM OF FORMATTING AN IMMERSIVE VIDEO FOR LEGACY AND IMMERSIVE RENDERING DEVICES •

(51) International classification :H04N21/2343
(31) Priority Document No :16305592.4
(32) Priority Date :23/05/2016
(33) Name of priority country :EUROPEAN UNION
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)GALPIN, Franck
2)LASSERRE, Sebastien
3)ANDRIVON, Pierre

(57) Abstract :
The present disclosure relates to methods, apparatus or systems for generating, transmitting and decoding a backward compatible immersive video stream. The stream is carrying data representative of an immersive video, composed of a frame organized according to a layout comprising a first area encoded according to a rectangle mapping, a second area encoded according to a mapping transitory from the rectangular mapping to an immersive mapping and a third area encoded according to the immersive mapping. In order to be backward compatible, the stream further comprises a first information representative of the size and the location of the first area within the video frame, and a second information comprising at least the type of the selected layout, the field of view of first part, of the size of said second area within the video frame and a reference direction. Figure 6

No. of Pages : 40 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/05/2017

(21) Application No.201714017166 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SAWBLADE FOR A CIRCULAR SAW, METHOD FOR PRODUCING A SAWBLADE, AND CIRCULAR SAWING MACHINE

(51) International classification	:B23D 61/00
(31) Priority Document No	:10 2016 111 543.6
(32) Priority Date	:23/06/2016
(33) Name of priority country	:Germany
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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2)STOLZER, Armin

(57) Abstract :
Attached

No. of Pages : 22 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/05/2017

(21) Application No.201714017308 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PORTABLE BATTERY MODULE CONTROLS AND THERMAL MANAGEMENT

(51) International classification :F28F7/00
(31) Priority Document No :62/338,894
(32) Priority Date :19/05/2016
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)BHOIR, Nilesh Gajanan

(57) Abstract :
The present disclosure relates to a portable, light weight, and swappable battery module/system (200) comprising an integrated thermal management system (106). The integrated thermal management system is light weight and compact in part due to use of a thermoelectric cooler. The management system also allows for incorporation of control systems for application in diverse end uses without the need for different control or thermal management systems.

No. of Pages : 28 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/05/2017

(21) Application No.201714017702 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SPINNING PREPARATION MACHINE IN THE FORM OF A DRAW FRAME AND METHOD FOR OPERATING THE SAME

(51) International classification :D01H13/18
(31) Priority Document No :10 2016 110 304.7
(32) Priority Date :03/06/2016
(33) Name of priority country :Germany
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)Markus Hillerbrand

(57) Abstract :
The invention relates to a method for operating a spinning preparation machine in the form of a draw frame (1), the draw frame (1) comprising a drafting unit (2) having a plurality of roller combinations disposed one after the other and driven by one or more drafting drives (6) in order to homogenize a fiber assembly (7) passing through the drafting unit (2) during operation of the same, and the draw frame (1) comprising at least one auxiliary drive (8) for driving one or more further displaceable components of the draw frame (1). According to the invention, it is proposed that the auxiliary drive (8) is driven as a generator and thereby braked when the voltage of the power source (12) supplying the draw frame (1) with electrical energy falls below a defined limit, wherein the voltage generated by the auxiliary drive (8) during the braking process due to the operation thereof as a generator is used for driving the drafting drives (6) in order to homogenize the fiber assembly (7) fed into the drafting unit (2) even after a drop in voltage. Further proposed is a spinning preparation machine comprising a controller by means of which the spinning preparation machine can be operated according to the method according to the invention. REFER TO FIGURE 1

No. of Pages : 21 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/05/2017
(21) Application No.201714017773 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : COMPUTING UNIT

(51) International classification :H04L29/08
(31) Priority Document No :102016208864.5
(32) Priority Date :23/05/2016
(33) Name of priority country :Germany
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)TOPP, Jaroslaw
2)HUFNAGEL, Simon

(57) Abstract :
A computing unit (2) comprising a first pipeline-capable computing core (4) with a first memory element (8) and a second pipeline-capable computing core (6) with a second memory element (10) is proposed. The first computing core (4) is adapted to start pipeline processing of an instruction (14), wherein the second computing core (6) is adapted to start a redundant pipeline processing of the instruction (14). A comparator unit (20) is designed to determine a deviation (CMP = 0) between a first state (16) of the first memory element (8) and a second state (18) of the second memory element (10), wherein the first and second computing cores (4, 6) are adapted to start re-pipeline processing of the instruction (14), when the deviation (CMP = 0) is determined.

No. of Pages : 18 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/05/2017

(21) Application No.201714017943 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ENDOVASCULAR DETACHMENT SYSTEM WITH FLEXIBLE DISTAL END AND HEATER ACTIVATED DETACHMENT

(51) International classification :A61B17/00
(31) Priority Document No :15/170,204
(32) Priority Date :01/06/2016
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)ECHARRI, Roberto

(57) Abstract :
corewire, a return conductor, a resistive heating element attached to the distal end of the corewire, and a therapeutic payload attached to the loop of the resistive heating element by a coil connecting member. The corewire includes at least one segment at its distal end which transitions from the substantially uniform cross-section of its proximal end to a smaller distal cross-section. The return conductor is electrically insulated from and bonded to the corewire. The resistive heating element includes a first terminal electrically connected to the corewire, a second terminal electrically connected to the return conductor, a helical coil, and a loop. The helical coil and the loop are electrically in series between the first terminal and the second terminal. The coil connecting member has a release temperature lower than a loop melting temperature of the loop of the resistive heating element.

No. of Pages : 29 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/04/2017

(21) Application No.201714014309 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : BRUSHLESS ROTATING ELECTRICAL MACHINE

(51) International classification :H02P6/14
(31) Priority Document No :2016-090532
(32) Priority Date :28/04/2016
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)YAMASAKI, Go
2)HASEGAWA, Ryoma

(57) Abstract :
A brushless rotating electrical machine (200) comprises: a rotor (10) including a rotor shaft (11) and a rotor core (12); a stator (20) including a stator core (21) and stator windings (21); an excitation device (100) including a plurality of rotary rectifiers (110); a frame (30); and an excitation device cover (61) that has an inlet (62) and an outlet (63) for the outside air. The excitation device (100) includes: a disc-shaped support member (115) that supports the rotary rectifiers (110) and is attached to the rotor shaft (11); and a plurality of stirring blades (118) that are mounted on the support member (115) and stir the outside air inside the excitation device cover (61) which expands radially and axially. The rotary rectifiers (110) are mounted on the support member (115) and disposed with circumferential intervals therebetween. Each of the rotary rectifiers (110) include a rectifying element (111) and a radiation portion (112), which has a radiation surface extending in a direction perpendicular to the rotation axis.

No. of Pages : 17 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/04/2017

(21) Application No.201714014473 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ELECTRIC ROTATING MACHINE AND MANUFACTURING METHOD FOR ELECTRIC ROTATING MACHINE

(51) International classification	:H02K16/02
(31) Priority Document No	:2016-087020
(32) Priority Date	:25/04/2016
(33) Name of priority country	:Japan
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)Kenmei Shimanuki
2)Kazuma Tsujikawa
3)Hidetoshi Sugimura

(57) Abstract :
According to one embodiment, there is provided a gas cooled electric rotating machine in which a cooling gas is flowed through into a rotor and a stator. The rotor includes a pair of center hole conductors inserted into a center hole along a center of rotation while being electrically insulated from a shaft and from each other, the center hole conductors including respective protruding parts protruding toward an end of the shaft. The rotor includes a pair of end conductors provided at the end of the shaft so as to be each electrically insulated from the shaft, the end conductors being electrically connected to side surfaces of the protruding parts of the pair of center hole conductors, the side surfaces serving as electric connection surfaces.

No. of Pages : 47 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/04/2017

(21) Application No.201714014616 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD FOR OBTAINING CEMENT MINERAL SUBSTANCES

(51) International classification :B28C 7/00
(31) Priority Document No :16 53614
(32) Priority Date :25/04/2016
(33) Name of priority country :France
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)Riad SARRAF

(57) Abstract :
The invention relates to a method for obtaining a mineral substance from a base comprising mineral matter, the method comprising obtaining the base comprising a predetermined quantity of the mineral matter synthesised by a living structure or a portion of the latter, characterised in that obtaining the base comprises providing the living structure and providing at least one lactic acid microorganism suitable for symbiosis with the living structure for the synthesis of the mineral matter of the mineral substance. The invention also relates to a mineralising composition comprising a living structure, a lactic acid microorganism, a nutritive substance; the mineral substance used in the method; and the use of a combination of a living structure and a lactic acid microorganism in symbiosis with each other as a mineralising agent in a self-regenerating material.

No. of Pages : 28 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/04/2017

(21) Application No.201714014715 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DEVICE, SYSTEM, AND METHOD FOR DELIVERY OF A TISSUE FIXATION DEVICE

(51) International classification :A61B17/10
(31) Priority Document No :15/154,292
(32) Priority Date :13/05/2016
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)SPENCINER, David B.

(57) Abstract :
Systems and methods for fixating a graft in a bone tunnel are provided. In general, the system includes a tissue fixation device having a delivery configuration and a deployed configuration, at least one graft retention loop coupled to the tissue fixation device, and a drill pin having a sidewall surrounding a cavity at a proximal end of the pin and at least one longitudinally oriented opening in the sidewall in communication with the cavity, the cavity being configured to fully seat the tissue fixation device. The drill pin is configured to substantially contain therein the tissue fixation device when in the delivery configuration and to enable deployment of the tissue fixation device through the opening. Drill pins configured to contain a tissue fixation device are also provided.

No. of Pages : 60 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/06/2017

(21) Application No.201714020771 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : GAS TURBINE EXHAUST COOLING SYSTEM

(51) International classification :F01K15/00
(31) Priority Document No :1610958.9
(32) Priority Date :23/06/2016
(33) Name of priority country :U.K.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)STEELE, David

(57) Abstract :
A gas turbine engine (10) comprises a main fluid flow exhaust nozzle (30) bounding a main fluid flow path, and a cooling nozzle (38) provided upstream of the main fluid flow exhaust nozzle (30) in the main fluid flow path. The cooling nozzle (38) is arranged to provide cooling air to a surface (36) of the main fluid flow exhaust nozzle (30), the cooling nozzle (38) comprises first and second outlets (44, 46). The first outlet (44) is located adjacent the main fluid flow exhaust nozzle surface (36) and is spaced from the main fluid flow path by the second outlet (46). The second outlet (46) comprises a convergent divergent nozzle configured to accelerate cooling air exhausted from the second outlet (46) to a velocity greater than air exhausted from the first outlet (44). To be accompanied when published by Figure 3

No. of Pages : 13 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/06/2017

(21) Application No.201714021149 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : STRUCTURE FOR ATTACHING INFORMATION DISPLAY APPARATUS FOR VEHICLE

(51) International classification	:B60R16/04	(71)**Name of Applicant :**
(31) Priority Document No	:2016-123637	**1)SUZUKI MOTOR CORPORATION**
(32) Priority Date	:22/06/2016	Address of Applicant :300, Takatsuka-cho, Minami-ku, Hamamatsu-shi, Shizuoka-ken, Japan Japan
(33) Name of priority country	:Japan	(72)**Name of Inventor :**
(86) International Application No	:NA	**1)Toshihiro TADAOKA**
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
An object of the present invention is to readily position three parts, a vehicle body front portion, an instrument panel, and an information display apparatus for a vehicle, stably support the information display apparatus for a vehicle, and improve the quality of exterior appearance irrespective of dimensional tolerances of the parts. [Solution] In a structure for attaching an information display apparatus for a vehicle 1 incorporated in a vehicle body front portion provided with a steering support member 3 extending in the vehicle width direction, a reinforcement 5 that links the steering support member 3 to a dash panel 4 in the vehicle body front portion is so provided in the vehicle body front portion as to extend from the steering support member 3 toward the front side of the vehicle along the frontward/rearward direction of the vehicle, and the information display apparatus for a vehicle 1 is supported by the reinforcement 5. [Selected Drawing] Figure 2

No. of Pages : 27 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/06/2017

(21) Application No.201714021369 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : VEHICLE LIGHT DEVICE WITH AN OPTICAL ELEMENT PINNED WITH A FLEXIBLE BRACING ELEMENT

(51) International classification :B60K1/00
(31) Priority Document No :1656010
(32) Priority Date :28/06/2016
(33) Name of priority country :France
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)DEBERT, Florestan
2)SACCHET, Dirkie
3)DINANT, Franck

(57) Abstract :
The present invention relates to a motor vehicle light device comprising: an optical deflector (1), at least one bearing element (60) , a pinning element (30) comprising a bracing element (36) bearing a contact portion (31), the bracing element at least partially surrounding the optical deflector, the contact portion bearing against the optical deflector, the optical deflector, the bearing element and the pinning element being arranged so that the optical deflector (1) is at least partially gripped between the bearing piece (60) and the contact portion (31), and so that, in a direction (F) running from said bearing piece to the contact portion, the contact portion is rigid and the bracing element is elastically deformable. (Figure 5)

No. of Pages : 37 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/06/2017

(21) Application No.201714021428 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHODS OF TREATING DRY EYE DISEASE USING TNFA ANTAGONISTS

(51) International classification	:C07K 19/00; A61B
(31) Priority Document No	:62/352,091
(32) Priority Date	:20/06/2016
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)Novartis AG
Address of Applicant :Lichtstrasse 35, 4056 Basel, Switzerland Switzerland
(72)**Name of Inventor :**
1)Yunsheng HE
2)Christian LEISNER
3)Michael WALD
4)Georges WEISSGERBER

(57) Abstract :
The disclosure is directed to novel predictive methods and personalized therapies for treating dry eye disease (DED). Specifically, this disclosure relates to methods of treating a patient having DED by selectively administering a TNFa antagonist, e.g., a TNFa antibody, such as LME636, to the patient on the basis of that patient being genetically predisposed to have a favorable response to treatment with the TNFa antagonist. Also disclosed herein are transmittable forms of information, diagnostic methods, and kits useful in predicting the likelihood that a patient having DED will respond to treatment with a TNFa antagonist, e.g., a TNFa antibody, such as LME636.

No. of Pages : 71 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/05/2017

(21) Application No.201714016013 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : APPARATUS AND METHOD FOR REPROCESSING A MEDICAL DEVICE

(51) International classification :A61L2/00
(31) Priority Document No :15/157,800
(32) Priority Date :18/05/2016
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)ETHICON, INC.
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(72)**Name of Inventor :**
1)YANG, Sungwook
2)NGO, Dang Minh

(57) Abstract :
An apparatus and method for reprocessing a medical device includes a decontamination basin, a first flush conduit, a second flush conduit, and a manifold. The first and second flush conduits have respective first and second coupling ports configured to fluidly connect to the medical device positioned within the decontamination basin. The manifold is fluidly connected to the first and second flush conduits and configured to distribute the fluid received therein accordingly. The apparatus also includes a first valve, a second valve, and a primary pump configured to discharge the fluid into the manifold at a predetermined supply flow rate. The first and second valve are positioned respectively in the first and second flush conduits for balancing the respective flow rates discharged therefrom at a first predetermined conduit flow rate and a second predetermined conduit flow rate.

No. of Pages : 64 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/05/2017

(21) Application No.201714016402 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : GRID ASSEMBLY INTELLIGENT PHOTOVOLTAIC POWER GENERATION SYSTEM

(51) International classification :H02S
(31) Priority Document No :201620425517.X
(32) Priority Date :12/05/2016
(33) Name of priority country :China
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)CHEN, TSUNG-HSIN
2)KOBAYASHI, HISAYOSHI
3)CUI, YONGXIANG
4)LIU, KEHTAO

(57) Abstract :
A grid assembly intelligent photovoltaic power generation system includes a supporting unit, a separated composite stand secured on the supporting unit, a square axle arranged on the separated composite stand and capable of rotating on the separated composite stand and a plurality of photovoltaic panels secured onto the square axle and forming a single-row of photovoltaic panel grid; wherein a certain distance is formed between each row of the photovoltaic panel grid, and a plurality of the photovoltaic panel grids form a photovoltaic array. The present invention overcomes the problem of sunlight blind spots of traditional photovoltaic array power stations, and the present invention can be installed on top of fishponds and agricultural lands such that the top of the structure utilizes the photovoltaic panels for power generation and the bottom thereof can be used for growth of agricultural corps in order to achieve diverse utilization of land.

No. of Pages : 39 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/05/2017

(21) Application No.201714016414 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD, APPARATUS AND STREAM FOR IMMERSIVE VIDEO FORMAT

(51) International classification	:H04N21/2343
(31) Priority Document No	:16305600.5
(32) Priority Date	:24/05/2016
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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2)FLEUREAU, Julien
3)TAPIE, Thierry
4)THUDOR, Franck

(57) Abstract :
As attached in PDF documents

No. of Pages : 40 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/05/2017

(21) Application No.201714016576 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ASSEMBLY FOR A SYNCHRONIZATION UNIT OF A VARIABLE RATIO GEAR TRANSMISSION

(51) International classification :F16H37/08
(31) Priority Document No :16172494.3
(32) Priority Date :01/06/2016
(33) Name of priority country :EUROPEAN UNION
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)FREDE, Ralf
3)SPRECKELS, Marcus

(57) Abstract :
Lubricating Oil Additives A lubricating composition comprises an oil-soluble poly(2-oxazoline) additive having the repeat unit: where the number of repeat units (n) is an integer between 4 and 1000; where the polymer carries an inorganic or organic nucleophilic polymerization terminating group 1, mixture liner branched or cyclic hydrocarbyl polymerization initiator group (i); and where R comprises a single or a mixture of linear branched or cyclic hydrocarbyl groups having 1-100 carbon atoms, some or all having 12-1 00 carbon atoms, or of at least one macro-monomeric hydrocarbyl group with more than 50 carbon atoms provided that when the polymer is a homopolymer and R lacks any betero atoms: (A) i has a molecular weight of less than 250glmo1, and R has an average number of carboll atoms of 12 to 50; or (B) n is greater than 15. The polymer may provide the composition, in the form of a lubricant, with friction modifier, and with low impact on lubricant viscosity. The polymer may be a homopolymer, a block copolymer or a star polymer

No. of Pages : 25 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/05/2017

(21) Application No.201714019022 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : BELT-DRIVEN PEOPLE CONVEYOR

(51) International classification :B66B
(31) Priority Document No :16 174 584.9
(32) Priority Date :15/06/2016
(33) Name of priority country :EPO
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)TUREK, Alexander

(57) Abstract :
NA

No. of Pages : 25 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2017
(21) Application No.201714019681 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : INTERNAL COMBUSTION ENGINE AND CONTROL METHOD OF INTERNAL COMBUSTION ENGINE

(51) International classification	:F02P 13/00
(31) Priority Document No	:2016-120069
(32) Priority Date	:16/06/2016
(33) Name of priority country	:Japan
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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2)Fumitsugu TSURU

(57) Abstract :
An electronic control unit (200) of an internal combustion engine (100) is configured to control the fuel injection valve (20) and to control a spark plug (16) if necessary such that fuel is combusted by pre-mixture compression ignition combustion or flame propagation combustion. The electronic control unit (200) is configured to perform homogeneous combustion in a flame ignition operation range when switching failure has not occurred, the homogeneous combustion being combustion in which fuel homogeneously diffused into the combustion chamber (11) is ignited using the spark plug (16) and is combusted by flame propagation combustion. The electronic control unit (200) is configured to perform spray-guided stratified combustion in a second operation range when the switching failure has occurred, the spray-guided stratified combustion being combustion in which fuel in the fuel injection path is ignited using the spark plug (16) and is combusted by the flame propagation combustion.

No. of Pages : 77 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2017

(21) Application No.201714019683 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : LOCKING AND UNLOCKING SYSTEM AND KEY UNIT

(51) International classification :G06F3/0488
(31) Priority Document No :2016-128203
(32) Priority Date :28/06/2016
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)Yasuhisa FUJIWARA
2)Yuichiro HARUNA

(57) Abstract :
A locking and unlocking system (1) includes: a portable terminal (20); a key unit (12); and a locking and unlocking device (11) of a vehicle (10) or facilities. The portable terminal (20) includes a first sending unit sending first authentication information to the key unit (12). The key unit (12) includes: a first storage unit; a first authentication unit performing authentication based on the first authentication information; a decryption unit decrypting second authentication information when the authentication by the first authentication unit is successful; and a second sending unit sending the second authentication information to the locking and unlocking device (11). The locking and unlocking device (11) includes: a second authentication unit performing authentication based on the second authentication information; and a locking and unlocking unit locking or unlocking the vehicle (10) or the facilities when the authentication by the second authentication unit is successful. Selected drawing: FIG. 1

No. of Pages : 53 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/06/2017

(21) Application No.201714019870 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : INSIDE OVERRIDE EMERGENCY HANDLE FOR DOOR RELEASE

(51) International classification :F01K15/00
(31) Priority Document No :15/189,405
(32) Priority Date :22/06/2016
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)Constantin Manolescu
3)Kostandinos D. Papanikolaou
4)Christopher Matthew Radjewski

(57) Abstract :
A motor vehicle emergency handle door release comprises a housing having a pair of opposed walls and one of a pair of opposed pivot bosses disposed on an interior surface of each of the opposed walls. A pivotable handle comprises a pivot mount, a lever disposed on one side of the pivot mount, and a door latch release cable end fitting disposed on another side of the pivot mount. The pivot mount includes a pair of opposed pivots extending laterally from the pivot mount of the pivotable handle that are received within the pivot bosses disposed on the interior surface of each of the opposed walls. A spring having a first leg is disposed against a surface of the housing and a second leg is disposed against a surface of the pivotable handle, urging the pivotable handle to a stowed position

No. of Pages : 28 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/06/2017

(21) Application No.201714020160 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ELECTRONIC DEVICE

(51) International classification :H01L21/16
(31) Priority Document No :2016-124388
(32) Priority Date :23/06/2016
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)Tadashi SHIMIZU
3)Norikazu MOTOHASHI
4)Tomohiro NISHIYAMA

(57) Abstract :
An electronic device is downsized while suppressing performance degradation of the electronic device. In the electronic device, a power module including a power transistor is arranged in a first region on a back surface of a through hole board having a plurality of through hole vias having different sizes while a pre-driver including a control circuit is arranged in a second region on a front surface of the board. In this case, in a plan view, the first region and the second region have an overlapping region. The power module and the pre-driver are electrically connected to each other via a through hole via. The plurality of through hole vias include a through hole via having a first size, a through hole via which is larger than the first size and in which a cable can be inserted, and a through hole via in which a conductive member is embedded.

No. of Pages : 81 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/05/2016

(21) Application No.201611017719 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ENERGY EFFICIENT NON ELECTRIC LAMP WITH AUTOMATIC FUEL LEVEL MAINTAINING MECHANISM

(51) International classification :H05B41/392
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)JOBANDEEP SINGH
4)HITESH GOEL
5)DR. VIVEK JAIN
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3)DR. KAUR MANPREET
4)DR. OBEROI AMANDEEP SINGH
5)GOEL HITESH
6)MAVI GAGAN
7)DR. JAIN VIVEK
8)SINGH AMANPREET
9)SINGH GURPAL
10)BISWAL VIDYADHAR
11)SINGH BHUPINDER

(57) Abstract :
The present invention discloses an energy efficient non-electric lamp with automatic fuel level maintaining mechanism. The said non electric lamp consists of lamp/Jot Bowl, Main Reservoir and a heating element. The mechanism is so designed that it can hold the excess amount of ghee in the main reservoir of capacity of holding 5 liters, which is separate than jot bowl, present at the top of the jot. A particular angle of inclination in reservoir allows the ghee to flow into the jot bowl. The bowl and reservoir both have a set of heating coil of low voltage and thermostat individually, which keeps ghee in liquid state and maintains the temperature respectively. The ghee flows into the jot bowl automatically from reservoir whenever there is low quantity of ghee in jot bowl.

No. of Pages : 18 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717021941 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : EXTRUSION AGENT FOR POLYOLEFINS EXTRUDABLE IN THE FORM OF FIBRES

(51) International classification	:B29C47/00,C08F14/22,C08L23/12
(31) Priority Document No	:1463123
(32) Priority Date	:22/12/2014
(33) Name of priority country	:France
(86) International Application No Filing Date	:PCT/FR2015/053405 :10/12/2015
(87) International Publication No	:WO 2016/102796
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)CHAUVEAU Jr´me
3)BEAUME Fran§ois
4)GOLDBACH James T.
5)SEILER David A.

(57) Abstract :
The invention relates to an extrusion assisting agent containing low viscosity thermoplastic fluorinated polymers and preferably not containing a synergist. The invention also relates to the use of the extrusion agent for extrusion in the form of monofilament or multifilament fibres or non woven materials and to the extrusion method.

No. of Pages : 10 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717021942 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : REDUCTION OF ALDEHYDES IN AMINE CATALYSTS

(51) International classification :C08G18/10,C07C209/84
(31) Priority Document No :62/098380
(32) Priority Date :31/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/011163
Filing Date :13/01/2015
(87) International Publication No :WO 2016/108941
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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4)MOORE Robert B.

(57) Abstract :
The present disclosure provides a method for reducing the aldehyde content in an amine catalyst by treating the amine catalyst with a treating agent selected from a non cyclic amide substituted with an isocyanate reactive group a guanidine substituted with an isocyanate reactive group a polyether amine adducted with a urea compound or a guanidine compound a free radical scavenger and a mixture thereof. The treated amine catalyst may then be used in the production of polyurethane materials which exhibit reduced aldehyde emissions.

No. of Pages : 25 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717021943 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : HEADLIGHT MOUNTING STRUCTURE FOR A MOTORCYCLE

(51) International classification :B62J6/02
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/IB2015/000421
Filing Date :31/03/2015
(87) International Publication No :WO 2016/156895
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(57) Abstract :
A headlight mounting structure establishes mounting relationships between each of multiple portions of a metal stay and multiple portions of a battery box. In fact the battery box is a plastic material that can t be mounted with a heavy headlight unit. However to provide the metal stay that is welded with the head pipe and supports the battery box is to improve the strength of the battery box which makes it possible to mount with the heavy headlight unit. In more detail the metal stay also supports the headlight unit which makes the stable securement of the headlight mounting structure. Furthermore the battery box is supported by metal materials such as a battery band a laterally projecting portion and an upwardly projecting portion. As a result the metal materials can compensate for weakness of the plastic battery box and provide a strong and stable battery box structure which can be the headlight mounting portion and make the relationship therebetween that are close together in some motorcycle models.

No. of Pages : 22 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717021947 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : MULTIPLEX BEAD ARRAY ASSAY

(51) International classification :G01N13/00,G01N21/77
(31) Priority Document No :62/085441
(32) Priority Date :28/11/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2015/002460
Filing Date :25/11/2015
(87) International Publication No :WO 2016/083898
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)CHEN Lu
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4)NAYYAR Rakesh Kumar

(57) Abstract :
The present disclosure relates to a system method and kit for particle detection and analysis. Devices disclosed herein may include at least an optical source a fludic chip containing a multiplex bead array and a detection module wherein the sample flows within the fludic chip past a detection window where the cells or particles are imaged by an image acquisition and analysis module that may include an optical detector. The image acquisition and analysis module counts the labeled particles and software allows for analysis of bead population.

No. of Pages : 27 No. of Claims : 62

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/06/2016

(21) Application No.201611022069 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PROCESS FOR REMOVING SCALE DEPOSITS IN EFFLUENT DISPATCH LINES

(51) International classification :B01D35/06
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)Binu Viswambharan Kani
3)Madhawa Nand Pande
4)Rajive Kumar Sharma

(57) Abstract :
A process for treating scale deposits in dispatch lines is provided. The process comprises injecting an organic solvent into the dispatch lines, thereby dissolving organic matter from the scale deposits. Subsequently, a first treatment fluid comprising an acid, a wetting agent and a surfactant is injected into the dispatch lines, thereby dislodging the scale deposits. After injection of the first treatment fluid, a second treatment fluid comprising an acid, a wetting agent, a sequestering agent, a surfactant and an acid corrosion inhibitor is injected into the dispatch lines, thereby removing a substantial portion of the scale deposits. Subsequently, a third treatment fluid comprising an acid and a surfactant is injected through the dispatch lines. Finally, filtered effluent water through the dispatch lines is injected to remove traces of treatment fluids injected into the dispatch lines, thereby increasing injection rate of effluent water into the dispatch lines.

No. of Pages : 31 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/06/2016
(21) Application No.201611022179 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : AN IMPACTION BASED AIR SAMPLING APPARATUS WITH A ROTATORY OFF-CENTRIC NOZZLE AND A METHOD THEREOF

(51) International classification	:G01N 1/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)GUPTA, Tarun
2)BISWAS, Kaniska
3)PRAMANIK, Santosh

(57) Abstract :
The present invention provides an impactor based air sampling apparatus with off centric nozzle on an impaction nozzle plate which reduces the particle bounce back tendency significantly. With the help of off-centric nozzle on an impaction plate, the apparatus enables the use of multiple point locations of the impactor substrate for particle deposition instead of a single centre point. It optimizes the usage of impactor substrate area and evenly distribute the total particle load to circular locus due to the rotation of the impaction nozzle plate with respect to the fixed impaction plate at certain angle after successive time intervals. Hence by distributing particle loading to multiple points, it not only reduce the particle bounce back tendency but also maintain the constancy of S/W ratio which characterizes the impactor. This impactor based air sampling apparatus provides better collection efficiency with reduced level of particle bounce back and with consistent characterization (maintaining greater constancy in S/W ratio) over time than existing impactor based air sampling apparatus.

No. of Pages : 32 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021747 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : VIBRATION RESISTANT VALVE ASSEMBLY FOR LEAD ACID BATTERIES

(51) International classification :H01M10/12,H01M2/12
(31) Priority Document No :62/096621
(32) Priority Date :24/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/067515
Filing Date :22/12/2015
(87) International Publication No :WO 2016/106386
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)FEGELY Ralph

(57) Abstract :
A battery valve assembly (1) is disclosed having a body (100) with a first end (100a) and an opposite second end (100b). The body includes a receiving passageway (140) extending through the body from the first end to the second end and an elongated base (130) positioned proximate to the second end. The valve assembly also includes a hydrophobic barrier (400).

No. of Pages : 10 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021748 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : TRANSMISSION RESOURCE DISTRIBUTION FOR STREAMING OF VARIABLE BITRATE ENCODED MEDIA DATA

(51) International classification	:H04L29/06,H04L12/26,H04L29/08
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:PCT/EP2015/051380 :23/01/2015
(87) International Publication No	:WO 2016/116169
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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1)R • CZ S¡ndor
2)SZABO Geza

(57) Abstract :
A technique for distributing transmission resources in a media data streaming system is disclosed. A user terminal of the media data streaming system comprises an interface configured to receive a stream of variable bitrate encoded media data via a communications network. The user terminal further comprises a memory storing program code and at least one processing device configured to execute the program code. The program code causes the processing device to determine bitrate variation information for the media data stream and to trigger transmission of the bitrate variation information towards a network component. The network component is configured to trigger dynamic distribution of the transmission resources of the communications network among multiple user terminals dependent on the bitrate variation information.

No. of Pages : 20 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/03/2017

(21) Application No.201714009104 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : COMPOSITION FOR ENHANCING IMMUNITY INCLUDING GINSENOSIDE F1 AS AN ACTIVE INGREDIENT

(51) International classification	:A61K31/70
(31) Priority Document No	:10-2016-0078028
(32) Priority Date	:22/06/2016
(33) Name of priority country	:Republic of Korea
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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1)KIM, Sun Chang
2)KIM, Hun Sik

(57) Abstract :
The present invention relates to composition for enhancing immunity, comprising ginsenoside F1 as an active ingredient. Specifically, the composition according to the present invention promotes degranulation activity and cell-killing activity of natural killer cells, and increases expressions of cell-killing factors, thereby being effectively used as an immune enhancer.

No. of Pages : 37 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/06/2017

(21) Application No.201717022213 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SYSTEM AND METHOD OF FACILITATING CASH TRANSACTIONS AT AN ATM SYSTEM WITHOUT AN ATM CARD USING MOBILE

(51) International classification :G06Q40/00
(31) Priority Document No :14/558887
(32) Priority Date :03/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/061945
Filing Date :20/11/2015
(87) International Publication No :WO 2016/089629
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)GUPTA Akshat
2)PAREJA Ricardo

(57) Abstract :
A system method and computer readable storage medium configured to facilitate cash transactions at an Automated Teller Machine when an ATM card is not present. The system allows a customer of a first bank to use an ATM of a different bank and still facilitate the ATM transaction without an ATM card present.

No. of Pages : 11 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/06/2017

(21) Application No.201717022223 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : AN AUDIO SIGNAL PROCESSING APPARATUS AND METHOD FOR CROSSTALK REDUCTION OF AN AUDIO SIGNAL

(51) International classification :H04S1/00
(31) Priority Document No :NA
(32) Priority Date : -
(33) Name of priority country :
(86) International Application No :PCT/EP2015/053231
Filing Date :16/02/2015
(87) International Publication No :WO 2016/131471
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)LACOUTURE PARODI Yesenia

(57) Abstract :
The invention relates to an audio signal processing apparatus (100) for filtering a left channel input audio signal (L) and a right channel input audio signal (R) a left channel output audio signal (X1) and a right channel output audio signal (X2) to be transmitted over acoustic propagation paths to a listener wherein transfer functions of the acoustic propagation paths are defined by an acoustic transfer function matrix. The audio signal processing apparatus (100) comprises a decomposer (101) a first cross talk reducer (103) a second cross talk reducer (105) and a combiner (107). The first cross talk reducer (103) is configured to reduce a cross talk within a first predetermined frequency band upon the basis of the acoustic transfer function matrix. The second cross talk reducer (105) is configured to reduce a cross talk within a second predetermined frequency band upon the basis of the acoustic transfer function matrix.

No. of Pages : 31 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/06/2017

(21) Application No.201717022225 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD AND SYSTEM FOR HIGH RELIABILITY OXYGEN SUPPLY FROM MULTIPLE UNITS

(51) International classification :B01D51/06,B01D53/047,B01D53/053
(31) Priority Document No :62/098052
(32) Priority Date :30/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/000150
Filing Date :18/12/2015
(87) International Publication No :WO 2016/108924
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)BURNS Jason
3)GOSHAY William K.
4)NAHEIRI Tarik

(57) Abstract :
A multi unit system combines multiple single bed reversing blower vacuum swing adsorption air separation units together. The units feed a common O supply such as a system buffer tank. Demand is monitored and a number of individual units are brought online sufficient to meet demand. If demand exceeds supply a further unit is brought online. If demand drops below supply by an amount greater than output of a single unit then a longest operating unit is taken offline. The multi unit system thus meets demand through utilization of multiple separate units in a highly redundant and highly reliable and scalable fashion.

No. of Pages : 20 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/06/2017

(21) Application No.201717022226 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHODS AND DEVICES FOR INHIBITING NERVES WHEN ACTIVATING BROWN ADIPOSE TISSUE

(51) International classification :A61N1/04,A61N1/36
(31) Priority Document No :14/584046
(32) Priority Date :29/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/065513
Filing Date :14/12/2015
(87) International Publication No :WO 2016/109169
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)HARRIS Jason L.
2)BAYNHAM Tamara C.

(57) Abstract :
Methods and devices are provided for inhibiting nerves when activating brown adipose tissue (BAT). In general a first nerve type (e.g. sympathetic nerves) innervating BAT can be activated while at least one other nerve type (e.g. parasympathetic nerves and/or sensory nerves) innervating BAT is being suppressed. A first neuromodulator (e.g. an electrical signal a chemical a light cooling etc.) can be applied to activate the first nerve type and a second neuromodulator can be applied to inhibit the at least one other nerve type. In this way parasympathetic nerves and/or sensory nerves innervating BAT can be inhibited when activating sympathetic nerves innervating BAT.

No. of Pages : 27 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717021950 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : 3D PRINTING USING PHASE CHANGING MATERIALS AS SUPPORT

(51) International classification :B33Y10/00
(31) Priority Document No :62/088385
(32) Priority Date :05/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/064063
Filing Date :04/12/2015
(87) International Publication No :WO 2016/090286
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)MARQUEZ Samantha M.

(57) Abstract :
A method or apparatus for three dimensionally printing. The method may comprise causing a phase change in a region of the first material by applying focused energy to the region using a focused energy source and displacing the first material with a second material. The apparatus may comprise a container configured to hold a first material a focused energy source configured to cause a phase change in a region of the first material by applying focused energy to the region and an injector configured to displace the first material with a second material. The first material may comprise a yield stress material which is a material exhibiting Herschel Bulkley behavior. The yield stress material may comprise a soft granular gel. The second material may comprise one or more cells.

No. of Pages : 40 No. of Claims : 132

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717021958 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : CONVEYOR SYSTEM WITH ROLLER ASSEMBLIES

(51) International classification	:B65G47/52,B65G47/64,B65G13/10
(31) Priority Document No	:62/087453
(32) Priority Date	:04/12/2014
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2015/060884 :16/11/2015
(87) International Publication No	:WO 2016/089584
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)FOURNEY Matthew L.

(57) Abstract :
A conveyance device comprises a sorting plate housing a plurality of roller assemblies and a series of narrow conveyor belts for conveying articles towards the sorting plate. In a first mode the narrow conveyor belts bypass the roller assemblies and convey articles over the sorting plate. In a second mode the conveyor belts bring an article into contact with the roller assemblies which then manipulate the trajectory of the article.

No. of Pages : 7 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717021959 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ATTACHMENT DEVICE AND METHOD FOR CONTROLLING ELECTRONIC DEVICE THEREOF

(51) International classification :H04L12/12,H04L29/02,H04L29/12
(31) Priority Document No :1020140169798
(32) Priority Date :01/12/2014
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2015/012987
Filing Date :01/12/2015
(87) International Publication No :WO 2016/089083
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)KIM Sung won
3)AHN Hee bum
4)KIM Joonoo
5)RA Jin
6)RYU Jong hyun
7)JEONG Kyung ho
8)KIM Yong ho
9)PARK Yong gook
10)KIM Myung sik
11)MIN Chan hong
12)JUNG Jin hyuk
13)CHOI Woo hyek

(57) Abstract :
A technique for controlling an electronic device thereof is provided. The technique includes in response to an attachment device being selected by an external device from a list of attachment devices receiving and storing mapping information in which data configured in a first communication format and data configured in a second communication format in relation to one function of the electronic device to which the attachment device is attached are mapped. In addition in response to the data configured in the first communication format being received from an external device which is communicably connected with the attachment device the data configured in the second communication format corresponding to the data configured in the first communication format based on the mapping information is acquired and the data configured in the second communication format to the electronic device to control the one function of the electronic device to be performed is transmitted.

No. of Pages : 62 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717021960 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METAL COMPOSITE CORE COMPOSITION PANELS AND PROCESS FOR MAKING SAME

(51) International classification :C08L23/08
(31) Priority Document No :62/086877
(32) Priority Date :03/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/059388
Filing Date :06/11/2015
(87) International Publication No :WO 2016/089543
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)DITTMAR Thomas
2)SCHAELING Joachim
3)MIES Martijn
4)BAKERLY Bashar Diar

(57) Abstract :
This invention relates to metal composite panels and to a core composition or core filler composition used for making them. This invention also relates to a process for making the metal composite panels by extruding the core composition or core filler composition between two metal panels and calendaring the metal panels to form the metal composite panels.

No. of Pages : 18 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717021961 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : STACKED ROLLER BELT CONVEYOR WITH ZONE CONTROL

(51) International classification	:B65G17/24,B65G17/30,B65G47/46
(31) Priority Document No	:14/559704
(32) Priority Date	:03/12/2014
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2015/059960 :10/11/2015
(87) International Publication No	:WO 2016/089559
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)FOURNEY Matthew L.

(57) Abstract :
A zone controlled in line stacked roller conveyor belt. The belt has pairs of stacked rollers a top article supporting roller and a bottom driven roller. The top and bottom rollers contact each other so that when the bottom roller is driven in one direction by contact with a bearing surface under the belt as the belt advances the top roller rotates in the direction opposite to the direction of belt travel. Articles atop the actuated roller pairs mark time. When the bottom roller is out of contact with the bearing surface the rollers are braked and do not rotate and the articles atop the braked rollers advance with the belt. The bearing surfaces are arranged in individually controllable segments that are dynamically grouped into zones actuated to halt an article in selected zones. An imaging system is used by a controller to change the zone grouping dynamically.

No. of Pages : 7 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021749 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ANHYDROUS COSMETIC COMPOSITION FOR TOPICAL APPLICATION

(51) International classification :A61K8/73,A61K8/02,A61K8/11
(31) Priority Document No :62/093670
(32) Priority Date :18/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/066658
Filing Date :18/12/2015
(87) International Publication No:WO 2016/100809
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)DUVAL Dean Larry
4)ELLINGSON Peter Christopher
5)GRAY Brian Francis
6)KARAPASHA Nancy
7)STONE Keith Joseph
8)WARREN Raphael
9)BRESLIN Nery Vanesa

(57) Abstract :
The present invention relates to an anhydrous cosmetic composition for topical application to skin in the intimate area. The compositions can be used following shaving or trimming hair in the intimate area. The compositions can also be used in the intimate skin area for consumers that wear absorbent articles against the intimate skin area for long periods of time.

No. of Pages : 44 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021758 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ABRASIVE ARTICLE INCLUDING AGGLOMERATES HAVING SILICON CARBIDE AND AN INORGANIC BOND MATERIAL

(51) International classification :B24D3/02,B24D3/04,B24D3/14
(31) Priority Document No :62/086112
(32) Priority Date :01/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/063265
Filing Date :01/12/2015
(87) International Publication No :WO 2016/089915
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)SARANGI Nilanjan
2)RUKMANI Sandhya Jayaraman
3)FOX Stephen E.
4)KRAUSE Russell L.

(57) Abstract :
An abrasive article including a body including a bond material having an inorganic material including a ceramic abrasive agglomerates including silicon carbide contained within the bond material and a permeability of at least 60.

No. of Pages : 48 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021759 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DYNAMIC VULCANIZATION OF A BLEND COMPOSITION METHODS OF MANUFACTURE THEREOF AND ARTICLES COMPRISING THE SAME

(51) International classification	:C08L23/08
(31) Priority Document No	:62/086354
(32) Priority Date	:02/12/2014
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2015/062093 :23/11/2015
(87) International Publication No	:WO 2016/089647
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)HU Yushan
2)WALTON Kim L.

(57) Abstract :
Disclosed herein is a composition comprising a propylene based polymer; a polymeric ethylene ionomer; a vulcanizing agent that is a crosslinker and that is reactive with the polymeric ethylene ionomer; and a compatibilizer that is a crystalline block composite including (1) a crystalline ethylene based polymer (2) a crystalline alpha olefin based polymer derived from a C a olefin and (3) a block copolymer comprising 10 to 90 wt% of a crystalline ethylene block comprising at least 85 wt% of units derived from ethylene and 10 to 90 wt% of a crystalline alpha olefin block comprising at least 90 wt% of units derived from the C a olefin.

No. of Pages : 28 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021760 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : RADIANT HEAT CHAMBER FOR BOILERS

(51) International classification :F23M20/00
(31) Priority Document No :P201400980
(32) Priority Date :26/11/2014
(33) Name of priority country :Spain
(86) International Application No :PCT/ES2015/000172
Filing Date :25/11/2015
(87) International Publication No :WO 2016/083632
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)BLANCO GOMEZ Hilario

(57) Abstract :
The invention relates to a heat radiation chamber for boilers consisting of parallel bars which are equidistant from each other attached to two rings and supported on legs. Said chamber is arranged inside the combustion chamber of boilers. When combustion occurs the heating of the bars improves the combustion and as hot air passes between them the temperature increases.

No. of Pages : 6 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021762 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SYRINGE PLUNGER STOPPER.

(51) International classification :A61M5/315
(31) Priority Document No :1550678
(32) Priority Date :29/01/2015
(33) Name of priority country :France
(86) International Application No :PCT/FR2016/050173
Filing Date :28/01/2016
(87) International Publication No :WO 2016/120565
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)FOURNIER Ghislain
2)SWAL Micka«l

(57) Abstract :
The invention relates to a plunger stopper (510) comprising a cylindrical body (511) having a front axial side closed by a front wall (513) said hollow cylindrical body (511) comprising an outer surface provided with at least one secondary sealing profile (610) said front wall (513) comprising a front axial outer surface (631) provided with a coating (635) advantageously an ethylene tetrafluoroethylene film said front wall (513) comprising along the radially outer edge thereof a primary sealing profile (630) said front wall (513) and said hollow cylindrical body (511) being made of different materials said hollow cylindrical body (511) being overmolded on said front wall (513) said front axial outer surface (631) of said front wall (513) comprising a deformation profile (633) arranged inside said primary sealing profile (630) of said front wall (513) said deformation profile (633) being suitable for deforming radially to facilitate insertion and/or sliding of said plunger stopper (510) in a syringe body.

No. of Pages : 16 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021764 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PRODRUGS OF PHENOLIC TRPV1 AGONISTS

(51) International classification	:A61K31/05,A61K31/16,A61K47/10
(31) Priority Document No	:62/084515
(32) Priority Date	:25/11/2014
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2015/062531 :24/11/2015
(87) International Publication No	:WO 2016/086063
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)HUSFELD Craig
2)DONOVAN John F.

(57) Abstract :
Described herein are compounds pharmaceutical compositions and medicaments that include such compounds and methods of using such compounds to modulate transient receptor potential vanilloid 1 receptor (TRPV1) activity.

No. of Pages : 137 No. of Claims : 64

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/06/2017

(21) Application No.201717022227 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : REVERSING BLOWER ADSORPTION UTILIZING COASTING

(51) International classification :B01D51/06,B01D53/047,B01D53/053
(31) Priority Document No :62/098052
(32) Priority Date :30/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/000149
Filing Date :18/12/2015
(87) International Publication No :WO 2016/108923
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)BAKER Mark
2)BURNS Jason
3)GOSHAY William K.
4)NAHEIRI Tarik

(57) Abstract :
A driving system for a reversing blower adsorption based air separation unit is configured to not only drive the reversing blower cyclically in a forward and in a reverse direction but also to allow the reversing blower to coast during a portion of its operating cycle. While coasting a pressure differential across the blower acts alone to switch the reversing blower between a forward and a reverse direction of operation. Less power is thus required. When coasting the blower can also be configured to output power such as the drive motor functioning as an electric generator or by having a mechanical power input be driven by the blower for power generation and/or energy storage. Such a system beneficially utilizes the energy associated with the pressure differential across the blower for energy harvesting and to further accelerate cycle times for the reversing blower adsorption based air separation unit.

No. of Pages : 25 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/06/2017

(21) Application No.201717022228 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : LOAD FOLLOWING SINGLE BED REVERSING BLOWER ADSORPTION AIR SEPARATION SYSTEM

(51) International classification :B01D51/06,B01D53/047,B01D53/053
(31) Priority Document No :62/098052
(32) Priority Date :30/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/000151
Filing Date :18/12/2015
(87) International Publication No :WO 2016/108925
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)LOPEZ Javier
2)BURNS Jason
3)GOSHAY William K.
4)NAHEIRI Tarik

(57) Abstract :
An exemplary single bed reversing blower adsorption based air separation unit is configured to follow the O load placed thereon by adjusting flow rates therethrough and power consumption. At least one and preferably multiple pressure sensors sense O pressure within an Ostorage region downstream of an adsorber vessel. These sensed pressures are utilized to generate control signals controlling flow rates at locations upstream of the compressor such as at a reversible blower and an output compressor. Control loops for the blower and the compressor are independent of each other and have different time constants. Effective following of the O load is thus achieved without driving the air separation unit into operational conditions outside of design and also maintaining optimal power consumption for the O produced such that efficiency is maintained over a large turndown ratio.

No. of Pages : 25 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/06/2017
(21) Application No.201717022230 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD AND DEVICE FOR CALIBRATING RAILWAY WEIGHBRIDGES

(51) International classification :G01G23/01,G01G19/04
(31) Priority Document No :a 2015 01698
(32) Priority Date :26/02/2015
(33) Name of priority country :Ukraine
(86) International Application No :PCT/UA2016/000036
Filing Date :30/03/2016
(87) International Publication No :WO 2016/137423
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)DASHEVSKY Iakov Tevelevich

(57) Abstract :
A method for calibrating railway weighbridges using a portable calibration device with a force setting mechanism (6) reference force measuring sensors (4 5) rail grippers (3) a support bar (7) and a measuring apparatus. One gripper (3) is mounted on a rail (1) of the approach track while the force setting mechanism (6) and a second gripper (3) are mounted on a rail (2) of the load bearing platform of the weighbridge. To prevent detachment of a rail in the proximity of a gripper a loaded car or a locomotive (8) is positioned on the approach track. Using the force setting mechanism (6) a fixed force is generated; the force on the load bearing platform is determined as the difference between the vertical forces from the force setting mechanism (6) and the gripper (3) mounted on the rail (2) of the load bearing platform; the measured force on the load bearing platform is compared with car weighing results and the weighbridge error is determined. Also characterized is a device for calibrating weighbridges.

No. of Pages : 7 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017

(21) Application No.201717022244 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : TRANSMISSION DEVICE OF AN ENGINE PARTICULARLY FOR AN ENGINE WITH VARIABLE COMPRESSION RATE AND/OR VARIABLE DISPLACEMENT

(51) International classification :F02B75/04,F16C9/04
(31) Priority Document No :1462389
(32) Priority Date :12/12/2014
(33) Name of priority country :France
(86) International Application No :PCT/FR2015/053391
Filing Date :09/12/2015
(87) International Publication No :WO 2016/092211
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)HUGON Rodolphe
2)BIGOT Sylvain
3)DUCHEMIN Matthieu
4)DELOBRE Guillaume
5)SCHWENCK Benoit

(57) Abstract :
The invention relates to a transmission device (1) particularly for an engine with variable compression rate and/or variable displacement. Said device includes in a cylinder housing: a combustion piston (2) capable of moving in a combustion cylinder of the engine and secured to a transmission member (3); a gear (5) engaging with a first rack of the transmission member (3) and proving transmission of the movement between the combustion piston (2) and a crankshaft of the engine; a connecting rod engaging at a first end with the gear (5) and at a second end with the crankshaft; and a control member (7) engaging with the gear (5) and secured to a control piston (12). The transmission device (1) is characterized in that the combustion piston (2) and the transmission member (3) are slidably linked with the cylinder housing (100) in a main direction.

No. of Pages : 31 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717021964 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : APPARATUS FOR SALT SEPARATION UNDER SUPERCRITICAL WATER CONDITIONS

(51) International classification :C02F11/08,B01J3/00,C02F1/38
(31) Priority Document No :15151416.3
(32) Priority Date :16/01/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/IB2016/050146
Filing Date :13/01/2016
(87) International Publication No :WO 2016/113685
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)FAVRAT Daniel
2)MARECHAL Fran§ois
3)VIANA ENSINAS Adriano
4)MIAN Alberto

(57) Abstract :
Apparatus for salt separation (2) under supercritical water conditions comprising a heat exchanger (4) and a fluidized bed reactor (6). The fluidized bed reactor comprising a supercritical water pressure containing wall (8) defining therein a fluidized bed chamber (10) connected to an inlet system (16) at one end thereof and an outlet system (18) configured to separate solids from supercritical fluidat another end thereof. The fluidized bed chamber receives a fluidized bed (12) therein and is configured to receive through the inlet system (16) a liquefied aqueous substance (14) for treatment in the fluidized bed chamber. The inlet system (16) comprises an inlet chamber (20) and a fluidization plate (22) positioned between the inlet chamber (20) and the fluidized bed chamber (10). The fluidized bed chamber extends between the inlet system (16) and outlet system (18) and comprises an entry section (10a) adjacent the inlet system (16) an outlet section (10c) adjacent the outlet system (18) and a mid section (10b) extending between the entry section and the outlet section. The heat exchanger (4) extends along the fluidized bed chamber (10) and is configured to generate a decreasing temperature gradient in the fluidized bed chamber from the outlet section (10c) to the entry section (10a) the temperature gradient in the outlet section and mid section being supercritical for aqueous substances and being subcritical for aqueous substances in the entry section (10a) adjacent the fluidization plate (22).

No. of Pages : 14 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717021968 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SYSTEMS APPARATUSES AND METHODS FOR SECURING SCREEN ASSEMBLIES

(51) International classification :B07B1/46,B07B1/48
(31) Priority Document No :62/096330
(32) Priority Date :23/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/067526
Filing Date :22/12/2015
(87) International Publication No :WO 2016/106393
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)NEWMAN Christian T.

(57) Abstract :
Embodiments of the present disclosure provide for systems apparatuses and methods of securing screen assemblies (20). Embodiments include a system having a compression assembly (100) with a compression pin (110) and a pin assembly (200) having a pin (210). The compression assembly (100) may be attached to a first wall member (30) of a vibratory screening machine (10) and the pin assembly (200) may be attached to a second wall member (40) of the vibratory screening machine (10) opposite the first wall member (30) such that the compression assembly (100) is configured to assert a force against a first side portion of a screen assembly (20) and drive a second side portion of the screen assembly (20) against the pin (210) of the pin assembly (200). The pin assembly (200) may include a pin (210) that is internally or externally mounted and that is adjustable and/or replaceable.

No. of Pages : 20 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717021969 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHODS AND COMPOSITIONS FOR 18F RADIOLABELING OF BIOLOGICS

(51) International classification :A61K51/04,A61K51/08,C07B59/00
(31) Priority Document No :62/084366
(32) Priority Date :25/11/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/062502
Filing Date :24/11/2015
(87) International Publication No :WO 2016/086036
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)DONNELLY David

(57) Abstract :
The invention relates to water soluble F prosthetic groups and the synthesis and use of F labeled biological molecules containing the F prosthetic groups for imaging various processes within the body for detecting the location of molecules associated with disease pathology and for monitoring disease progression are disclosed.

No. of Pages : 71 No. of Claims : 87

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717021972 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PEPTIDES AND NANOPARTICLES FOR INTRACELLULAR DELIVERY OF MOLECULES

(51) International classification :C07K7/08,A61K38/04,C12N9/99
(31) Priority Document No :14/03004
(32) Priority Date :24/12/2014
(33) Name of priority country :France
(86) International Application No :PCT/EP2015/081197
Filing Date :23/12/2015
(87) International Publication No :WO 2016/102687
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)DIVITA Gilles
2)DESAI Neil

(57) Abstract :
The present invention pertains to peptides and peptide containing complexes/nanoparticles that are useful for stabilizing and delivering cargo molecules such as nucleic acids.

No. of Pages : 100 No. of Claims : 101

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021766 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : MONOLITHIC PLANE WITH ELECTRICAL CONTACTS

(51) International classification :A24F47/00
(31) Priority Document No :15160921.1
(32) Priority Date :25/03/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/056291
Filing Date :22/03/2016
(87) International Publication No :WO 2016/150979
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)RUSCIO Dani
2)STOHR Dominique Paul Gabriel
3)FONTANNAZ Joel
4)MATHIEU Christian

(57) Abstract :
The present invention relates to an electrically operated aerosol generating device. The device comprising: an electrical power supply (110); an electronic circuit board (112); an external electrical power contact; an electrical power line (102) configured to electrically couple the external electrical power contact to the electronic circuit board; and a ground plane. The ground plane comprises: an elongate conductive member configured to: electrically couple the power supply to the electronic circuit board; and structurally retain the power supply and electronic circuit board. The ground plane further comprises: means (108) for electrically insulating the electrical power line from the elongate conductive member; and means (108) for mechanically coupling the electrical power line to the elongate conductive member.

No. of Pages : 13 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021767 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHODS OF IMPROVING LECITHIN FUNCTIONALITY AND APPLICATIONS THEREOF

(51) International classification :A21D2/32,A23G1/02,A23J7/00
(31) Priority Document No :62/086556
(32) Priority Date :02/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/063474
Filing Date :02/12/2015
(87) International Publication No :WO 2016/090020
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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2)SEBREE Bruce
3)JADHAV Swapnil

(57) Abstract :
The present invention is directed towards methods of improving the interfacial activity of lecithin. Methods of standardizing lecithin are further disclosed. The present invention is also directed towards methods of improving chocolate rheology. Additionally the present invention is directed towards methods of improving a characteristic of a lecithin containing composition.

No. of Pages : 24 No. of Claims : 65

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021768 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : FLEXIBLE DISPLAY DEVICE

(51) International classification :G09F9/30,G09F9/00
(31) Priority Document No :1020140167815
(32) Priority Date :27/11/2014
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2015/012339
Filing Date :17/11/2015
(87) International Publication No :WO 2016/085182
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)PARK Kyung wan
3)KIM Yu su
4)PARK Jin hyoung
5)SEO Ho seong
6)LEE Ga eun
7)CHO Shi yun

(57) Abstract :
A plurality of panels include: a display panel; and a protective panel that is disposed outside the display panel and includes a transparent substrate and an outer hard coating layer and an inner hard coating layer that are respectively formed on an outer surface and an inner surface of the transparent substrate and each have a hardness greater than a hardness of the transparent substrate. A thickness of the outer hard coating layer is greater than a thickness of the inner hard coating layer and a stress neutral surface of the flexible display device is configured so that a compressive stress is applied to the inner hard coating layer when the flexible display device is bent.

No. of Pages : 25 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021770 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD FOR MONITORING CRANE SAFETY AND SYSTEM FOR MONITORING CRANE SAFETY

(51) International classification :B66C23/26,B66C23/90,B66C15/06
(31) Priority Document No :10 2014 019 465.5
(32) Priority Date :23/12/2014
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2015/002495
Filing Date :09/12/2015
(87) International Publication No :WO 2016/102050
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)LIEBHERR WERK BIBERACH GMBH
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(72)**Name of Inventor :**
1)KRUPINSKI Jacek

(57) Abstract :
The invention relates to a method for monitoring the safety of a crane in particular a tower crane having a revolving platform wherein the crane has a sensor system and a crane controller and wherein furthermore at least one tilt sensor is provided. According to the invention the at least one tilt sensor is attached to the revolving platform of the tower crane wherein the crane safety is monitored at least during the construction and dismantling of the tower crane.

No. of Pages : 10 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021771 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DISPOSABLE DIAPER

(51) International classification :A61F13/49,A61F13/56
(31) Priority Document No :2014243532
(32) Priority Date :01/12/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/083665
Filing Date :30/11/2015
(87) International Publication No :WO 2016/088728
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)SAKAGUCHI Satoru

(57) Abstract :
Provided is a disposable diaper that allows reduction of visual and/or tactile discomfort to a user caused by a fastening tape. A disposable diaper (10) has: a front waist area (20); a rear waist area (30); and a fastening tape (90) which fastens the front waist area (20) and the rear waist area (30) to each other. The fastening tape (90) includes an engagement sheet (92) which can engage with at least one of the front waist area (20) and the rear waist area (30). The fastening tape (90) is folded so as to be unfoldable. In a state where the fastening tape (90) is folded a part of the engagement sheet (92) opposes another part of the engagement sheet (92) between surfaces that overlap each other by the folding.

No. of Pages : 15 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017

(21) Application No.201717022245 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DOUBLE COILING BELT PAPER MONEY TEMPORARY STORAGE DEVICE

(51) International classification :G07D11/00,B65H29/51
(31) Priority Document No :201410827210.8
(32) Priority Date :25/12/2014
(33) Name of priority country :China
(86) International Application No :PCT/CN2015/087898
Filing Date :24/08/2015
(87) International Publication No :WO 2016/101645
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)ZHOU Zhiyuan

(57) Abstract :
A double coiling belt paper money temporary storage device comprises a paper money temporary storage cylinder (1); a pair of coiling belt recycling cylinder assemblies (2); a pair of coiling belts (4); a pair of coiling belt pressing wheels (5); a planetary gear speed reducing motor (3) an output shaft (6) of the planetary gear speed reducing motor (3) being provided with a driving gear (61); and a synchronous gear transmission system used for transmitting power of the planetary gear speed reducing motor (3) to the paper money temporary storage cylinder (1) and the coiling belt recycling cylinder assemblies (2) at the same time. The synchronous gear transmission system comprises a first gear (11) used for driving the paper money temporary storage cylinder (1) a first transmission gear set (71) that is meshed with the driving gear (61) and used for transmitting power to the paper money temporary storage cylinder (1) and the first coiling belt recycling cylinder assembly (21) at the same time and a second transmission gear set (72) that is connected to the first gear (11) and the second coiling belt recycling cylinder assembly (22).

No. of Pages : 11 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017

(21) Application No.201717022246 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ABRASIVE ARTICLE INCLUDING AGGLOMERATES HAVING SILICON CARBIDE AND AN INORGANIC BOND MATERIAL

(51) International classification :B24D3/02,B24D3/04,B24D3/10
(31) Priority Document No :62/086100
(32) Priority Date :01/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/063282
Filing Date :01/12/2015
(87) International Publication No :WO 2016/089924
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)SAINT GOBAIN ABRASIFS
(72)**Name of Inventor :**
1)SARANGI Nilanjan
2)RUKMANI Sandhya Jayaraman
3)FOX Stephen E.
4)KRAUSE Russell L.

(57) Abstract :
An abrasive article including a body including a bond material having an inorganic material including a ceramic abrasive agglomerates including silicon carbide contained within the bond material and a permeability of at least 60.

No. of Pages : 45 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017

(21) Application No.201717022247 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : POLYOLEFIN POLYOLS AS SURFACE MODIFYING AGENTS

(51) International classification :C08J7/04,C08K5/053,C08L23/08
(31) Priority Document No :62/085873
(32) Priority Date :01/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/060643
Filing Date :13/11/2015
(87) International Publication No :WO 2016/089578
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)ANDERSON Kyle
2)ZHANG WATSON Ling

(57) Abstract :
A functionalized ethylene based polymer dissolved in an appropriate solvent and applied to a nonpolar surface can change the surface polarity/characteristics of the nonpolar surface. This change to the surface polarity/characteristics of the nonpolar surface allows adhesion of materials such as paint to surfaces such as polypropylene polyethylene and polyolefin elastomers.

No. of Pages : 21 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017

(21) Application No.201717022250 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SHAKING TYPE CULTURE APPARATUS AND CULTURE METHOD USING SAME

(51) International classification :C12M1/00,C12M1/02,C12M1/04
(31) Priority Document No :2015015426
(32) Priority Date :29/01/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/IB2016/000051
Filing Date :27/01/2016
(87) International Publication No :WO 2016/120708
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)MATSUDA Hiroyuki

(57) Abstract :
The present invention provides: a shaking type culture apparatus which enables large scale culture without requiring the use of an impeller; and a culture method using the shaking type culture apparatus. More specifically the present invention provides: a shaking type culture apparatus equipped with a culture bag 10 which is made from a soft packaging material an outer casing 20 which is arranged so as to house the whole body of the culture bag 10 and to control the temperature in the culture bag 10 and a power source for shaking the outer casing 20 having the culture bag 10 housed therein said shaking type culture apparatus being so configured that a content in the culture bag 10 can be agitated and mixed by shaking the outer casing 20 having the culture bag 10 housed therein; and a culture method using the shaking type culture apparatus.

No. of Pages : 17 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017

(21) Application No.201717022254 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PROCESS FOR THE PREPARATION OF A POLYOLEFIN HAVING ONE OR MULTIPLE END FUNCTIONALIZED BRANCHES

(51) International classification	:C08F2/38,C08F210/16,C08F10/02
(31) Priority Document No	:14200124.7
(32) Priority Date	:23/12/2014
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2015/081207 :23/12/2015
(87) International Publication No	:WO 2016/102694
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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1)DUCHATEAU Robert
2)BOUYAHYI Miloud
3)JASINSKA WALC Lidia
4)ZUIDEVELD Martin Alexander

(57) Abstract :
The present invention relates to a process for the preparation of branched polyolefins having end functionalized branches via the copolymerization of an olefin monomer and an olefin omprising main group metal hydrocarbyl chain transfer agent. The invention moreover relates to branched polyolefin having end functionalized branches obtained by said process.

No. of Pages : 68 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717021988 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DEVICE FOR OPERATING A SWITCHING DEVICE

(51) International classification :H01H3/30,H01H33/666
(31) Priority Document No :1422591.6
(32) Priority Date :18/12/2014
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2015/079897
Filing Date :15/12/2015
(87) International Publication No :WO 2016/096926
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)HEILERSIG Dinant
2)DIERSELHUIS Pieter Bastiaan

(57) Abstract :
The invention relates to a device for operating a switching device such as a vacuum interrupter which device comprises: an operating axle for operating the switching device; driving means for driving the operation axle; spring means coupled between the driving means and the operating axle; blocking means for blocking rotation of the operating axle. The invention also relates to a combination of such a device and a switching device having at least one movable contact.

No. of Pages : 6 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717021989 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : MECHANICAL CONNECTOR AND CIRCUIT BREAKER PROVIDED WITH MECHANICAL CONNECTOR

(51) International classification :H01H33/66
(31) Priority Document No :1422200.4
(32) Priority Date :12/12/2014
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2015/078684
Filing Date :04/12/2015
(87) International Publication No :WO 2016/091753
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)EATON INDUSTRIES (NETHERLANDS) B.V.
Address of Applicant :Europalaan 202 7559 SC Hengelo Netherlands
(72)**Name of Inventor :**
1)GEUSENDAM Paulus
2)NITERT Gerhardus Leonardus

(57) Abstract :
The invention relates to a mechanical connector for high and low voltages comprising: a first connector part with a first end having a cavity; a second connector part with a first end having a cross section adapted to the cavity of the first connector part wherein the inner dimensions of the cavity correspond with the outer dimensions of the cross section to provide a slide fit and an electrical connection between the outer circumference of the cross section and the inner circumference of the cavity; and a thermal conductive electrically insulating layer is arranged between and in contact with the end face of the second connector part and the bottom of the cavity of the first connector part. The invention also relates to a circuit breaker with such a mechanical connector incorporated in the fixed electrode rod.

No. of Pages : 7 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717021994 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : STABLE FROZEN HERPES SIMPLEX VIRUS FORMULATION

(51) International classification :C12N7/00,A61K35/763
(31) Priority Document No :62/093663
(32) Priority Date :18/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/065858
Filing Date :15/12/2015
(87) International Publication No :WO 2016/100364
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)LITOWSKI Jennifer R.
2)SISKA Christine Claudia
3)KERWIN Bruce Arthur

(57) Abstract :
A live virus composition that maintains infectivity and provides improved virus stability during one or more freeze/thaw cycles and/or during long term storage in a liquid state at temperatures ranging from just above freezing to ambient temperatures.

No. of Pages : 33 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717021996 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : OLEIC ACID PRODUCTION IN YEAST

(51) International classification :C12N15/09,C12N15/53,C12N1/13
(31) Priority Document No :62/090169
(32) Priority Date :10/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/064710
Filing Date :09/12/2015
(87) International Publication No :WO 2016/094520
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)TSAKRAKLIDES Vasiliki
2)BREVNOVA Elena E.
3)FRIEDLANDER Jonathan
4)KAMINENI Annapurna
5)SHAW Arthur J. IV

(57) Abstract :
Disclosed are transformed cells comprising one or more genetic modifications that affect the lipid content of the cell . by increasing the concentration of oleic acid in the cell relative to an unmodified cell of the same type. Also disclosed are methods for modifying the lipid content of a cell by increasing the activity of one or more proteins in the cell and/or by decreasing the activity of one or more proteins in the same cell.

No. of Pages : 71 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717021997 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : COOLING DEVICE

(51) International classification :F28D15/02,H01L23/427
(31) Priority Document No :2014262356
(32) Priority Date :25/12/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/086286
Filing Date :25/12/2015
(87) International Publication No :WO 2016/104727
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)TAKEMURA Hiroshi
2)SUEKI Yasuhito
3)SATA Shun ichi
4)HISANO Tokio

(57) Abstract :
Provided is a cooling device with which cooling performance can be improved while configuring the entire cooling device more compactly. This cooling device 100 is equipped with: a base block 20 having a mounting surface 21a in which heat generating bodies 10 are mounted along the up down direction; pipe units 30 comprising tanks 31 storing a refrigerant 60 and embedded in the opposite surface 21b from the mounting surface 21a of the base block 20 and multiple pipes 32 parallel to each other and connected in an upright manner to a side surface of the tanks 31; and multiple heat radiation fins 40 attached to the multiple pipes 32 with the pipes 32 penetrating the fins. The tanks 31 are provided with a flattened shape in which the thickness t2 in the thickness direction of the base block 20 is less than the height h2 in the up down direction and the pipes 32 are connected at a location on the upper part of the tanks 31.

No. of Pages : 11 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021772 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : VEHICLE DISC BRAKE

(51) International classification	:F16D65/092,F16D65/095,F16D55/228
(31) Priority Document No	:2014261903
(32) Priority Date	:25/12/2014
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2015/084933 :14/12/2015
(87) International Publication No	:WO 2016/104219
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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2)HONDA MOTOR CO. LTD.
(72)**Name of Inventor :**
1)AONUMA Toru
2)UEHARA Kazumasa
3)IMAI Yoshiyuki
4)IIDA Chihiro

(57) Abstract :
The present invention is a vehicle disc brake for which incorrect installation of a friction pad can be prevented with a simple structure. The disc brake is provided with incorrect installation preventing parts with which if a friction pad (4) is installed with an incorrect installation orientation when a pair of tabs (10 11) provided on the disc entry side and disc exit side of the back plate (4d) of a friction pad (4) is installed into pad guide grooves (9) formed on a caliper body (3) the tabs bump into the caliper body (3) and prevent the incorrect installation. The incorrect installation preventing parts are formed from caliper side recesses (9d 9e) which are formed in the pad guide grooves (9) towards the center of the caliper body and tab side protrusions (10a 11a) which have shapes that correspond to the caliper side recesses (9d 9e).

No. of Pages : 28 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021781 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD FOR FABRICATING A SUBSTRATE GUIDED OPTICAL DEVICE

(51) International classification :G02B27/01,G02B6/00
(31) Priority Document No :236491
(32) Priority Date :25/12/2014
(33) Name of priority country :Israel
(86) International Application No :PCT/IL2015/051247
Filing Date :23/12/2015
(87) International Publication No :WO 2016/103263
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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2)FRIEDMANN Edgar
3)AMITAI Yaakov

(57) Abstract :
A method is described for fabricating an optical device that includes a light waves transmitting substrate having at least two major surfaces and edges and a plurality of partially reflecting surfaces carried by the substrate wherein the partially reflecting surfaces are parallel to each other and not parallel to any of the edges of the substrate. The method includes providing at least one transparent flat plate and plates having partially reflecting surfaces and optically attaching together the flat plates so as to create a stacked staggered form. From the stacked staggered form at least one segment is sliced off by cutting across several plates and the segment is ground and polished to produce the light waves transmitting substrate. The plates are optically attached to each other by an optically adhesive free process.

No. of Pages : 10 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017
(21) Application No.201717021783 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : CANISTER MOUNTING STRUCTURE FOR A MOTORCYCLE

(51) International classification :B62J37/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/IB2015/000418
Filing Date :31/03/2015
(87) International Publication No :WO 2016/156893
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)TAHARA Shuji

(57) Abstract :
A canister mounting structure by which canister components including a canister and a connecting tube are mounted to a motorcycle having a fuel tank and a fuel tray comprises (a) a fuel tray portion mounted above the fuel tank; (b) a canister mounting portion; (c) a rubber holder wound about the canister; (d) hook members integrally formed with the canister mounting portion and projecting upwardly therefrom which engage with the rubber holder when the canister is mounted on the fuel tray portion; and (e) an upper canister holder that attaches to the canister mounting portion to securely clip the rubber holder to support the canister on the canister mounting portion. The canister mounting structure is stably secured by a hooking structure/attaching structure at the fuel tank secured on the frame pipe and a hanging structure at the cross pipe. Theses mounting structures provide for easy installation and/or removal the canister mounting structure.

No. of Pages : 21 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021787 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ACTUATOR AND DRIVE FOR MANIPULATING A TOOL

(51) International classification :B25J13/00,B25J11/00,B25J18/00
(31) Priority Document No :62/090798
(32) Priority Date :11/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2015/000098
Filing Date :18/02/2015
(87) International Publication No :WO 2016/090459
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)ZITNICK David Allen

(57) Abstract :
A tool apparatus and a method for actuating a tool apparatus are disclosed. The tool apparatus includes an actuator housing and an elongate tool manipulator extending outwardly from the actuator housing and having a plurality of control links extending along a length of the tool manipulator. The control links are operable to cause movement of a distal end of the tool manipulator in response to movement of the control links in an actuating direction generally aligned with the length of the tool manipulator. The apparatus also includes a plurality of actuators each actuator being associated with at least one of the control links and being mounted in the actuator housing to facilitate a range of travel in a transverse direction substantially orthogonal to the actuating direction and a plurality of linkages. Each linkage is associated with one of the control links and extends between the control link and the respective actuator and is operable to transmit drive forces between the actuator and the control link.

No. of Pages : 24 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017

(21) Application No.201717022257 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : VARIABLE METERED AIRLESS APPLICATOR WITH CARTRIDGE

(51) International classification :A61M5/178
(31) Priority Document No :14/635151
(32) Priority Date :02/03/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/019419
Filing Date :24/02/2016
(87) International Publication No :WO 2016/140846
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)REID Byron
2)RAMSDELL Matthew
3)JARDINE Peter

(57) Abstract :
The present invention relates to a variable metered amount airless applicator with cartridge. Examples of such an applicator include for example syringes and gun shaped applicators. A variable amount selector is a feature of an embodiment of the applicator. The applicator can be attached to a variety of pass through devices.

No. of Pages : 19 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017

(21) Application No.201717022258 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : GRAIN ORIENTED ELECTRICAL STEEL SHEET AND METHOD OF MANUFACTURING SAME

(51) International classification :C22C38/00,C21D8/12,C21D9/46
(31) Priority Document No :2014260770
(32) Priority Date :24/12/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/086588
Filing Date :24/12/2015
(87) International Publication No :WO 2016/104813
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)SHINGAKI Yukihiro
2)OKUBO Tomoyuki
3)INOUE Hirotaka

(57) Abstract :
Provided is a grain oriented electrical steel sheet with superior magnetic characteristics such electromagnetic steel sheet being provided with an undercoat film having a high TiN ratio which is advantageous for imparting tension to a steel sheet. This grain oriented electrical steel sheet is characterized: by having an undercoat film in which in an analysis using thin film X ray diffraction a peak value PTiN of TiN (Osbornite) found in the range of 42°<2<43° and a peak value PMgSiO of MgSiO (Forsterite) found in the range of 35°<2<36° are both greater than 0 and the relationship of PTiNPMgSiO is satisfied; and in that the iron loss W is 1.0 W/kg or less.

No. of Pages : 28 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017

(21) Application No.201717022259 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PUNCH PROCESSING METHOD FOR LAMINATED IRON CORE AND METHOD FOR MANUFACTURING LAMINATED IRON CORE

(51) International classification	:B21D28/02,B21D39/03,H01F41/02
(31) Priority Document No	:2014263758
(32) Priority Date	:26/12/2014
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2015/086190 :25/12/2015
(87) International Publication No	:WO 2016/104686
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)SENDA Kunihiro
2)UESAKA Masanori
3)ODA Yoshihiko

(57) Abstract :
This punch processing method for a laminated iron core which feeds a plurality of steel plates continuously into a mold and carries out punch processing of the plurality of steel sheets in a stacked state in a plurality of steps within the mold is characterized by including a step for carrying out punch processing of the outermost periphery of the laminated iron core after affixing the plurality of stacked steel sheets to each other to affixing parts F positioned on the outside of a closed curve L corresponding to the outermost periphery of the laminated iron core and affixing parts F positioned in a part finally forming the laminated iron core.

No. of Pages : 27 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017

(21) Application No.201717022260 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : MOBILE BRIDGE MODULE

(51) International classification :E01D15/12,E01D22/00
(31) Priority Document No :1500053.2
(32) Priority Date :05/01/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2016/050005
Filing Date :04/01/2016
(87) International Publication No :WO 2016/110681
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)TOTHILL Ian Edward
2)DAVIS Timothy John

(57) Abstract :
Mobile bridge module comprising a reinforcement applied in a non destructive manner.

No. of Pages : 15 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017

(21) Application No.201717022261 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ROBOT MAINTENANCE ASSIST DEVICE AND METHOD

(51) International classification	:B25J19/00,G05B19/18,G05B19/418
(31) Priority Document No	:2014257004
(32) Priority Date	:19/12/2014
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2015/083652 :30/11/2015
(87) International Publication No	:WO 2016/098571
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)YOSHIMURA Masato
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(57) Abstract :
A robot maintenance assist device is provided with: an acquired data storage means (4) for storing data acquired regarding a current command value for a servomotor that constitutes a robot drive system (R1); a trend assessment means (5) that assesses a future variation trend for the current command value on the basis of the current command value data stored in the acquired data storage means (4); and a service life determination means (6) for determining the period of time until the current command value reaches a preset value on the basis of the future variation trend for the current command value that is obtained by the trend assessment means (5). The present invention makes it possible to accurately predict the remaining service life of a robot drive system.

No. of Pages : 18 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017

(21) Application No.201717022262 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SELF CONTAINED CLUTCH FOR DIESEL ENGINES

(51) International classification :F16D13/72,F16D25/062,F16D67/02
(31) Priority Document No :62/090522
(32) Priority Date :11/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/064944
Filing Date :10/12/2015
(87) International Publication No :WO 2016/094631
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)CLAPP Timothy A.
2)COLE Richard E.
3)FARWELL David A.
4)NAUMOFF Tyler A.
5)MORRIS David J.

(57) Abstract :
A self contained clutch for diesel engines for off highway implementation is provided. A stationary friction disc pressure plate and endplate sandwich a pair of rotating separator discs. Attenuation of vibration damping of the rotator discs may be achieved by a centrifugal weight. A pulse width modulated DC motor or valve is employed in association with a hydraulic actuator to control pressure to the clutch piston. An RFID tag uniquely identifies the nature and parameters of the clutch itself and is associated with the clutch such that the controller can most efficiently operate the clutch. Heat is dissipated by an oil pump servicing the support bearings and/or by the integration of a centrifugal fan into the heat disc stack.

No. of Pages : 10 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717021998 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PISTON WITH COOLING GALLERY HAVING ENHACED OIL INLET AND METHOD OF CONSTRUCTION THEREOF

(51) International classification :F02F3/22,B21J5/06,F01P3/10
(31) Priority Document No :62/094258
(32) Priority Date :19/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/066918
Filing Date :18/12/2015
(87) International Publication No :WO 2016/100936
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)WEINENGER Michael

(57) Abstract :
A piston and method of construction thereof are provided. The piston includes an upper crown having an upper combustion surface and a lower crown depending therefrom. The lower crown includes a pair of laterally spaced axially aligned pin bores configured for receipt of a wrist pin. A substantially closed annular outer cooling gallery is formed between the upper and lower crowns wherein a bottom surface of the cooling gallery is formed by a floor of the lower crown. An oil inlet and an oil outlet extend through the floor. The oil inlet includes an upstanding toroid shaped protrusion that extends upwardly from the floor into the cooling gallery wherein the protrusion is formed as a monolithic extrusion from the material of the lower crown floor.

No. of Pages : 9 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717022000 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : HIGH PRESSURE DIESEL FUEL PUMP PUMPING ELEMENT

(51) International classification :F04B53/10,F04B19/22
(31) Priority Document No :62/099893
(32) Priority Date :05/01/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/065843
Filing Date :15/12/2015
(87) International Publication No :WO 2016/111814
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)SHAULL Anthony
2)ADEJUMO Tunji
3)JONES Luke A.
4)KWOK Yip
5)LANE John D.
6)RIX David M.
7)THAYER Wesley R.

(57) Abstract :
The present disclosure generally relates to a pumping element of a fuel pump for an internal combustion engine wherein the pumping element comprises a pumping chamber and a check valve assembly having a first insert including a passage in flow communication with a fuel outlet and a second insert being disposed adjacent the pumping chamber the second insert including a bore in flow communication with a fuel inlet a plurality of through holes in flow communication with the pumping chamber and an inlet check valve plunger disposed in the bore for movement between an opened position wherein inlet fuel from the fuel inlet flows past the inlet check valve plunger through the plurality of through holes to the pumping chamber and a closed position wherein outlet fuel from the pumping chamber flows through the plurality of through holes past the inlet check valve plunger to the passage of the first insert.

No. of Pages : 16 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717022001 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : POWDER METAL COMPOSITION FOR EASY MACHINING

(51) International classification :B22F1/00,C22C33/02
(31) Priority Document No :15153617.4
(32) Priority Date :03/02/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/052048
Filing Date :01/02/2016
(87) International Publication No :WO 2016/124532
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)HU Bo

(57) Abstract :
The present invention concerns an iron based powder composition comprising at least an iron based powder and a minor amount of a machinability enhancing additive said additive comprising at least one titanate compound. The invention further concerns the use of the machinability enhancing additive and a method for producing an iron based sintered component for easy machining.

No. of Pages : 23 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717022002 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SUPERCONDUCTING WIRE AND SUPERCONDUCTING COIL

(51) International classification	:C22C9/00,B22D11/00,B22D11/12
(31) Priority Document No	:2015001510
(32) Priority Date	:07/01/2015
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2015/085765 :22/12/2015
(87) International Publication No	:WO 2016/111159
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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3)MAKI Kazunari

(57) Abstract :
The present invention is a superconducting wire comprising a wire made from a superconductor and a superconduction stabilizer material disposed so as to contact the wire. The superconduction stabilizer material comprises a copper material containing a total of 3 to 400 ppm by mass of one or more additional elements selected from among Ca Sr Ba and rare earth elements with Cu and inevitable impurities as the remainder. The total concentration of the inevitable impurities other than the gas components O H C N and S is 5 to 100 ppm by mass.

No. of Pages : 27 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717022003 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : REQUEST SENDING METHOD AND DEVICE THEREOF

(51) International classification :G06Q20/12
(31) Priority Document No :201410854480.8
(32) Priority Date :31/12/2014
(33) Name of priority country :China
(86) International Application No :PCT/CN2015/098260
Filing Date :22/12/2015
(87) International Publication No :WO 2016/107467
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)MAO Qiming
2)WANG Xiao

(57) Abstract :
Disclosed in the present application is a request sending method the method comprising: receiving a request instruction sent by a user wherein the request instruction comprising request value information and requested object identifiers; according to the requested object restriction rule splitting the specific value expressed by the request value information into at least two request values conforming to the restriction rule; and sequentially sending a request to the requested objects expressed by the requested object identifiers on the basis of the at least two request values conforming to the restriction rule. The defect of poor experience caused by the reason that a user needs to initiate a value data sending request for multiple times is overcome. Further disclosed in the present application is a request sending device.

No. of Pages : 21 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021789 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : A METALLIC NANOPARTICLE DISPERSION

(51) International classification	:B01F17/00,C09D11/03,C09D11/322
(31) Priority Document No	:14199745.2
(32) Priority Date	:22/12/2014
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2015/079281 :10/12/2015
(87) International Publication No	:WO 2016/102192
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(57) Abstract :
A metallic nanoparticle dispersion comprising metallic nanoparticles and a liquid carrier characterized in that the dispersion further includes a dispersion stabilizing compound according to Formulae I II III or IV Formula I Formula II Formula III Formula IV wherein Q represents the necessary atoms to form a substituted or unsubstituted a five or six membered heteroaromatic ring M is selected from the group consisting of a proton a monovalent cationic group and an acyl group R1 and R2 are independently selected from the group consisting of a hydrogen a substituted or unsubstituted alkyl group a substituted or unsubstituted alkenyl group a substituted or unsubstituted alkynyl group a substituted or unsubstituted alkaryl group a substituted or unsubstituted aralkyl group a substituted or unsubstituted aryl or heteroaryl group a hydroxyl group a thioether an ether an ester an amide an amine a halogen a ketone and an aldehyde R1 and R2 may represent the necessary atoms to form a five to seven membered ring R3 to R5 are independently selected from the group consisting of a hydrogen a substituted or unsubstituted alkyl group a substituted or unsubstituted alkenyl group a substituted or unsubstituted alkynyl group a substituted or unsubstituted alkaryl group a substituted or unsubstituted aralkyl group a substituted or unsubstituted aryl or heteroaryl group a hydroxyl group a thiol a thioether a sulfone a sulfoxide an ether an ester an amide an amine a halogen a ketone an aldehyde a nitrile and a nitro group R4 and R5 may represent the necessary atoms to form a five to seven membered ring.

No. of Pages : 39 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021790 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : BRASSIERE WITH REINFORCED SUPPORT

(51) International classification :A41C3/00
(31) Priority Document No :14/63245
(32) Priority Date :23/12/2014
(33) Name of priority country :France
(86) International Application No :PCT/IB2015/059849
Filing Date :21/12/2015
(87) International Publication No :WO 2016/103159
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)TURLAN VAN DER HOEVEN Manon

(57) Abstract :
The invention concerns a brassiere (10) of the type including at least a first cup (12a) and a second cup (12b) characterized in that each cup (12a 12b) includes a first exterior support (28) and a second interior support (30) each of which has generally the shape of a crescent defined by a generally convex edge (32 34) and by an opposing concave edge (36 38) the concave edge (36) of the first support (28) being generally arranged racing the concave edge (38) of the second support (30) the first support (28) and the second support (30) exhibiting a first lower end (40) and a second lower end (42) respectively which are crossed in a zone of support (Z1) for the breasts.

No. of Pages : 8 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021795 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : LIQUID (METH)ACRYLIC SYRUP METHOD FOR IMPREGNATING A FIBROUS SUBSTRATE WITH SAID SYRUP AND COMPOSITE MATERIAL PRODUCED AFTER POLYMERISATION OF SAID IMPREGNATION SYRUP

(51) International classification	:C08L33/12,D06M13/203,D06M15/263
(31) Priority Document No	:14 63054
(32) Priority Date	:22/12/2014
(33) Name of priority country	:France
(86) International Application No Filing Date	:PCT/FR2015/053736 :22/12/2015
(87) International Publication No	:WO 2016/102899
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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3)CALIN Daniel

(57) Abstract :
The invention relates to a viscous liquid (meth)acrylic syrup comprising: a) a (meth)acrylic polymer; b) a (meth)acrylic monomer; and c) an initiator for starting the polymerisation of the (meth)acrylic monomer said initiator being in the form of a peroxide compound which is a liquid at temperatures of between 0° and 50°C said syrup being characterised in that the initiator is combined with an accelerator system comprising: d) a reducing compound; e) a metal salt or a mixture of metal salts not comprising cobalt; and f) a tertiary initiator.

No. of Pages : 30 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021796 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : LIQUID (METH)ACRYLIC SYRUP METHOD FOR IMPREGNATING A FIBROUS SUBSTRATE WITH SAID SYRUP AND COMPOSITE MATERIAL PRODUCED AFTER POLYMERISATION OF SAID IMPREGNATION SYRUP

(51) International classification :C08F220/10,C09D4/06,C08K3/00
(31) Priority Document No :14 63056
(32) Priority Date :22/12/2014
(33) Name of priority country :France
(86) International Application No :PCT/FR2015/053725
Filing Date :22/12/2015
(87) International Publication No :WO 2016/102890
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
The invention relates to a viscous liquid (meth)acrylic syrup comprising: a) a (meth)acrylic polymer; b) a (meth)acrylic monomer; and c) an initiator for starting the polymerisation of the (meth)acrylic monomer said initiator being in the form of a peroxide compound which is a liquid at temperatures of between 0° and 50°C said syrup being characterised in that the initiator is combined with an accelerator system comprising: d) a vanadium salt; and e) a tertiary amine.

No. of Pages : 31 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017

(21) Application No.201717022263 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : IMPROVED COMPRESSION AND ENCRYPTION OF A FILE

(51) International classification :H03M7/30,H04N19/40,H04N19/94
(31) Priority Document No :14514319
(32) Priority Date :26/11/2014
(33) Name of priority country :Sweden
(86) International Application No :PCT/SE2015/051264
Filing Date :25/11/2015
(87) International Publication No :WO 2016/085393
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)REVELL Elise

(57) Abstract :
A computing device (100) comprising a memory (240) and a controller (210) wherein said controller (210) is configured to compress a file (410) by transforming at least a portion of said file (410) to a number (X) and transforming the number (X) to an exponent vector (exp) comprising at least one exponent wherein each exponent corresponds to a base in a base vector (base).

No. of Pages : 25 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017

(21) Application No.201717022287 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : A PROCESS FOR MANUFACTURING A FIBER REINFORCED COMPOSITE ARTICLE THE COMPOSITE ARTICLE OBTAINED AND THE USE THEREOF

(51) International classification :B29C37/00,B29C70/06,B29C70/46
(31) Priority Document No :15156848.2
(32) Priority Date :27/02/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/052330
Filing Date :04/02/2016
(87) International Publication No :WO 2016/134937
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)COSTANTINO Stephan
3)RITTER Klaus
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(57) Abstract :
A process for the preparation of a fiber reinforced composite article comprising the steps of a) providing a mold comprising an upper die (11) and a lower die (12) the lower die (12) having a molding surface and vertically extending side walls (14) the upper die (11) having a complementary molding surface and vertically extending side walls (13) substantially aligned with the side walls of the lower die so that the upper die vertically moves into the lower die to form a cavity (17) in a partially and completely closed position of the mold wherein the cavity (17) in a partially closed position is sealed vacuum tight by at least one seal (15) placed around the vertically extending walls of the upper die (11) or the lower die (12) horizontally to the moving direction of the upper die (11) and wherein the at least one seal (15) also works as a resin retention seal which prevents the resin from leaking b) applying a thermosetting resin composition onto a fibre reinforcement and placing the thus treated fibre reinforcement into the lower die of the mold (12) or c) placing a fibre reinforcement into the lower die of the mold (12) and applying a thermosetting resin composition onto the fibre reinforcement d) moving the upper die (11) into the lower die (12) and partially closing the mold e) evacuating the mold in the partially closed position by means of a vacuum outlet to a pressure of from 0.1 to 100 mbar f) completely closing the mold and exerting an hydraulic pressure of from 2 to 100 bar onto the resin treated reinforcement to complete impregnation of the fibre reinforcement g) curing the resin impregnated reinforcement h) demolding the cured composite article facilitates manufacturing of composite articles with reduced cycle times said composite articles exhibit high fibre content low void content and excellent visual and mechanical properties and can be used for the construction of mass transportation vehicles in particular in automotive and aerospace industry.

No. of Pages : 20 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017

(21) Application No.201717022288 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD FOR PREPARING HIGHLY NITROGEN DOPED MESOPOROUS CARBON COMPOSITES

(51) International classification :B01J27/20,B01J27/24
(31) Priority Document No :15152038.4
(32) Priority Date :21/01/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/051196
Filing Date :21/01/2016
(87) International Publication No :WO 2016/116542
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)CONSIGLIO NAZIONALE DELLE RICERCHE
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2)GIAMBASTIANI Giuliano
3)LIU Yuefeng
4)BA Housseinou
5)NGUYEN-DINH, Lam
6)NHUT Jean Mario
7)DUONG VIET Cuong

(57) Abstract :
The present invention deals with a new methodology aimed at preparing highly N doped mesoporous carbon macroscopic composites and their use as highly efficient heterogeneous metal free catalysts in a number of industrially relevant catalytic transformations.

No. of Pages : 38 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017
(21) Application No.201717022289 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHODS AND SYSTEM FOR VERIFYING A BRAKE SYSTEM IN A VEHICLE

(51) International classification :B60T8/88,B60T17/22
(31) Priority Document No :14/605245
(32) Priority Date :26/01/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/061222
Filing Date :18/11/2015
(87) International Publication No :WO 2016/122755
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)RICHEY Kimberly
2)WANG Xiaobin

(57) Abstract :
A method for checking sets of components of a vehicle (100) includes configuring a system control unit (110) of a vehicle to (100) perform a check of a first set of components and a second set of components of the vehicle the first set of components being different from the second set of components. The first set of components is automatically checked using the system control unit (110). The second set of components is optionally checked using the system control unit (110) wherein the system control unit (110) is configured to disable the check of the second set of components based upon a disable command provided to the system control unit (110). Further a system for verifying different sets of components and a further method for checking sets of components of a vehicle (100) are described.

No. of Pages : 14 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717022006 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DATA READING METHOD AND DEVICE

(51) International classification :G06F3/06
(31) Priority Document No :201410817949.0
(32) Priority Date :24/12/2014
(33) Name of priority country :China
(86) International Application No :PCT/CN2015/097586
Filing Date :16/12/2015
(87) International Publication No :WO 2016/101828
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)LI Yan
3)ZHANG Po
4)WANG Fei

(57) Abstract :
A data reading method and device the method comprising: upon receipt of a read instruction comprising a reading target address determining whether data indicated by the reading target address is cached in a preset cache region (101); if so searching a cache address corresponding to the reading target address according to a first mapping relationship and reading the data indicated by the cache address in the preset cache region the first mapping relationship being used for recording a corresponding relationship between the target address and the cache address (102); if not reading the data indicated by the reading target address from a nonvolatile memory space (103). The above method can reduce a read data error resulting from a write disturb.

No. of Pages : 27 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717022008 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ADJUSTING PRINT SETTINGS BASED ON PERTURBATION STATISTICS

(51) International classification :G06F3/12
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2015/012188
Filing Date :21/01/2015
(87) International Publication No :WO 2016/118126
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)MOROVIC Peter
2)MOROVIC Jan
3)ANDREA TALLADA Alex

(57) Abstract :
An example method involves analyzing a plurality of perturbations of a printing system over a period of time calculating statistics corresponding to each of the plurality of the perturbations of the printing system after the duration of the period of time executing an enhancement process for the printing system based on the calculated statistics of each of the perturbations and adjusting settings of the printing system based on results of the enhancement process.

No. of Pages : 16 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717022009 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : FABRICATING THREE DIMENSIONAL OBJECTS

(51) International classification :B29C67/00,B33Y50/00,B29C35/02
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2015/051963
Filing Date :30/01/2015
(87) International Publication No :WO 2016/119889
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)VILAJOSANA Xavier
2)DE PENA Alejandro Manuel
3)CORTES I HERMS Sebastia

(57) Abstract :
A method of heating a surface while fabricating a 3 D object is disclosed wherein a first temperature feedback signal from a first location on the surface is used to control the energy radiated by an energy source during a first stage of the fabrication process. A second temperature feedback signal from a second location on the surface is used to control the energy radiated by an energy source during a second stage of the fabrication process.

No. of Pages : 15 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022037 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD OF CULTURING SEGMENTED FILAMENTOUS BACTERIA *IN VITRO*

(51) International classification :C12N1/20
(31) Priority Document No :PCT/IB2014/067285
(32) Priority Date :23/12/2014
(33) Name of priority country :
(86) International Application No :PCT/IB2015/059948
Filing Date :23/12/2015
(87) International Publication No :WO 2016/103217
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)BIKARD David
3)SCHNUPF Pamela
4)CERF BENSUSSAN Nadine
5)GABORIAU ROUTHIAU Valrie
6)SANSONETTI Philippe

(57) Abstract :
The present invention relates to an method of culturing a segmented filamentous bacterium strain comprising co culturing said segmented filamentous bacterium strain with a eukaryotic host cell wherein the culture is performed at an O level inferior to 5% in a rich tissue culture liquid medium containing bacterial medium components including iron. The present invention also relates to methods for genetically modifying a segmented filamentous bacterium strain comprising a step a culturing the strain

No. of Pages : 25 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022045 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PROCESS FOR PRODUCING LPG AND BTX

(51) International classification :C10G65/00,C10G65/10,C10G65/18
(31) Priority Document No :14199596.9
(32) Priority Date :22/12/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2015/079824
Filing Date :15/12/2015
(87) International Publication No :WO 2016/102249
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)DAVIES Andrew P.
3)WARD Andrew Mark
4)WONG Kae Shin
5)ARAMBURO Luis
6)VAN IERSEL Maikel

(57) Abstract :
The invention relates to a process for producing LPG and BTX comprising a) subjecting a mixed hydrocarbon feedstream to first hydrocracking in the presence of a first hydrocracking catalyst to produce a first hydrocracking product stream; b) separating the first hydrocracking product stream to provide at least a light hydrocarbon stream comprising at least C2 and C3 hydrocarbons a middle hydrocarbon stream comprising C4 and/or C5 hydrocarbons and a heavy hydrocarbon stream comprising at least C6+ hydrocarbons and c) subjecting the heavy hydrocarbon stream to second hydrocracking to produce a second hydrocracking product stream comprising BTX wherein the second hydrocracking is more severe than the first hydrocracking wherein at least part of the middle hydrocarbon stream is recycled back to the first hydrocracking in step a).

No. of Pages : 24 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021797 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD FOR IMPREGNATING A FIBROUS SUBSTRATE WITH A (METH)ACRYLIC MIXTURE COMPOSITION OF SAID (METH)ACRYLIC MIXTURE AND COMPOSITE MATERIAL PRODUCED AFTER POLYMERISATION OF SAID (METH)ACRYLIC MIXTURE

(51) International classification :C08J5/24,C03C25/28,C08F4/34
(31) Priority Document No :14 63058
(32) Priority Date :22/12/2014
(33) Name of priority country :France
(86) International Application No :PCT/FR2015/053711
Filing Date :22/12/2015
(87) International Publication No :WO 2016/102884
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)GERARD Pierre
2)FRANCOIS Gilles
3)TAILLEMITE Sbastien
4)LAFARGE Mlanie

(57) Abstract :
The invention relates to a method for impregnating a fibrous substrate consisting of long fibres with a liquid (meth)acrylic mixture mainly containing methacrylic and/or acrylic components. The invention also relates to such a (meth)acrylic mixture and the composition thereof said (meth)acrylic mixture comprising a (meth)acrylic syrup and an aqueous dispersion of a radical initiator. The invention further relates to a method for producing mechanical parts of structured elements or items in a composite material by impregnation of the fibrous substrate with the (meth)acrylic mixture followed by polymerisation of said (meth)acrylic mixture and to such parts produced according to said production method and used in different fields such as the automobile aeronautics or construction industries.

No. of Pages : 26 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021804 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : REUSABILITY DETERMINATION METHOD LIMIT SAMPLE DISPLAY DEVICE AND LIMIT SAMPLE DISPLAY METHOD

(51) International classification	:G01N17/00,G01M99/00,G01N21/27
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:PCT/JP2014/081751 :01/12/2014
(87) International Publication No	:WO 2016/088171
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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6)AONO Fumiyasu
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10)ICHIKAWA Takehisa

(57) Abstract :
In a reusability determination method according to an embodiment the state of equipment collected from a use state is compared with a limit sample indicating a limit state at which equipment is reusable and the reusability of the collected equipment is determined.

No. of Pages : 26 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021805 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : EQUIPMENT STATE ANALYSIS DEVICE EQUIPMENT STATE ANALYSIS METHOD STORAGE MEDIUM AND EQUIPMENT MANAGEMENT SYSTEM

(51) International classification	:G08B21/18,G08B31/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/JP2014/081761
Filing Date	:01/12/2014
(87) International Publication No	:WO 2016/088176
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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7)TAGAWA Yuuji
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9)SAKAMOTO Yoshiki
10)KATAOKA Akihiko

(57) Abstract :
An equipment state analysis device according to an embodiment of the present invention includes an input unit that receives information identifying the state and position of equipment installed outside. A calculation unit performs a statistical process on the basis of the state and position identifying information input into the input unit and information about a predetermined section on a map to calculate the average number of years to failure for the equipment in the section. A display control unit causes a display unit to display the average number of years to failure calculated by the calculation unit superimposed on the map.

No. of Pages : 36 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021806 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHODS AND MATERIALS FOR PRODUCING 7 CARBON CHEMICALS VIA A C9 ROUTE

(51) International classification :C12P7/42,C12P7/64,C12P13/00
(31) Priority Document No :62/085094
(32) Priority Date :26/11/2014
(33) Name of priority country :U.S.A.
(86) International Application No:PCT/US2015/061861
Filing Date :20/11/2015
(87) International Publication No :WO 2016/085811
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)BOTES Adriana Leonora
2)CONRADIE Alex Van Eck
3)HADDOUCHE Ramdane

(57) Abstract :
This document describes biochemical pathways for producing 7 hydroxyheptanoic acid using a polypeptide having monooxygenase activity to form a 8 hydroxynonanoate intermediate which can be converted to 7 hydroxyheptanoate using a polypeptide having monooxygenase activity a polypeptide having secondary alcohol dehydrogenase activity and a polypeptide having esterase activity. 7 hydroxyheptanoic acid can be enzymatically converted to pimelic acid 7 aminoheptanoic acid heptamethylenediamine or 1 7 heptanediol. This document also describes recombinant hosts producing 7 hydroxyheptanoic acid as well as pimelic acid 7 aminoheptanoic acid heptamethylenediamine and 1 7 heptanediol.

No. of Pages : 56 No. of Claims : 61

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021807 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : AQUEOUS EMULSION AND ADHESIVE IN WHICH SAME IS USED

(51) International classification :C08F2/20,C08F2/24,C08L29/04
(31) Priority Document No :2014265809
(32) Priority Date :26/12/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/006450
Filing Date :24/12/2015
(87) International Publication No :WO 2016/103712
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)MAKI Hideki
2)NAKAMAE Masato

(57) Abstract :
The invention pertains to an aqueous emulsion containing a polymer as a dispersoid and PVA as a dispersant the polymer containing ethylenically unsaturated monomer units; wherein the free PVA content of the aqueous emulsion is 0.2 20 parts by mass per 100 parts by mass of the polymer containing ethylenically unsaturated monomer units the degree of saponification of the free PVA is 80.0 99.5% molar the viscosity average degree of polymerization is 200 5000 and the free PVA has a symmetry factor (W/2f) based on JIS K0124 (2011) that satisfies formula (1) said factor measured by reversed phase distribution gradient high speed liquid chromatography using a water acetone eluent. 0.85=W2f=1.30 (1) (the meanings of the symbols are omitted)

No. of Pages : 27 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017

(21) Application No.201717022299 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : BENT GLASS SHEET SUPPORTED DURING COOLING

(51) International classification :C03B40/00,C03B27/044
(31) Priority Document No :1463433
(32) Priority Date :30/12/2014
(33) Name of priority country :France
(86) International Application No :PCT/FR2015/053766
Filing Date :29/12/2015
(87) International Publication No :WO 2016/108028
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)GOBIN Jr´me
3)THELLIER Herv
4)CROGUENNEC Lo¯c

(57) Abstract :
The invention relates to a frame for cooling a bent glass sheet comprising a support track for the sheet and a removable supporting part which in the support position and during the blown air cooling of the sheet can rest on the upper face of the sheet and along the periphery thereof. The bent sheet being cooled on the cooling frame remains in contact with the frame according to the invention during cooling and its shape more closely matches the desired shape.

No. of Pages : 8 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017

(21) Application No.201717022306 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : REPLACEABLE SHROUD FOR WORK IMPLEMENT

(51) International classification :E02F9/28,E21C35/18
(31) Priority Document No :62/088171
(32) Priority Date :05/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/060849
Filing Date :16/11/2015
(87) International Publication No :WO 2016/089581
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)MAGULURU Madhukar

(57) Abstract :
A shroud (28) is provided for use with a work implement (12). The shroud may have an elongated body (38) configured to straddle an edge (26) of the work implement (12) and a mounting portion (48) extending from a side of the elongated body. The mounting portion may include a back (50) defining an opening (66) a first side (52) connected to the back and a second side (54) connected to the back opposite the first side. The mounting portion may also include at least one tab (58 60) extending inwardly from the back of the mounting portion at a location adjacent the opening and between the first and second sides. The at least one tab may be configured to removably couple the shroud to a mounting base attached to the work implement.

No. of Pages : 9 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017

(21) Application No.201717022307 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PROPPANT COMPRISING AN OIL WELL TREATMENT AGENT COATING

(51) International classification :C09K8/80,E21B43/267
(31) Priority Document No :62/087860
(32) Priority Date :05/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/061262
Filing Date :18/11/2015
(87) International Publication No :WO 2016/089599
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)POTISEK Stephanie L.
2)AOU Kaoru
3)MEDINA Juan Carlos

(57) Abstract :
The present invention relates to coated proppants a method to make said coated proppants and a method to use such coated proppants in fracturing subterranean formations around oil and gas wells to improve oil recovery. Preferably said proppants are coated with an oil well treatment agent specifically a wax inhibitor and/or a pour point depressant composition.

No. of Pages : 31 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017

(21) Application No.201717022308 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ENZYMES FOR REMOVING SULFUROUS COMPOUNDS IN DOWNHOLE FLUIDS

(51) International classification :C09K8/035
(31) Priority Document No :14/560762
(32) Priority Date :04/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/062984
Filing Date :30/11/2015
(87) International Publication No :WO 2016/089765
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)ARMSTRONG Charles D.

(57) Abstract :
Cysteine synthase or O Acetyl L Serine Sulfhydrylase enzymes such as those derived from the bacterium may be used in additive compositions fluid compositions and methods for decreasing or removing hydrogen sulfide from recovered downhole fluids and/or the subterranean reservoir wellbore from which the downhole fluid was recovered. The fluid composition may include at least one cysteine synthase enzyme and a base fluid such as a drilling fluid a servicing fluid a production fluid a completion fluid an injection fluid a refinery fluids and combinations thereof.

No. of Pages : 22 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017

(21) Application No.201717022309 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : A CURABLE EPOXY RESIN COMPOSITION AND A CURATIVE THEREFOR

(51) International classification :B29C53/60,C08J5/24,C08G59/50
(31) Priority Document No :62/086895
(32) Priority Date :03/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/062294
Filing Date :24/11/2015
(87) International Publication No :WO 2016/089663
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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3)POTTS Douglas L.
4)RITTER William L.

(57) Abstract :
An amine hardener system useful for curing a curable resin composition including a blend of: (I) a first amine hardener comprising at least one cycloaliphatic amine; and (II) a second amine hardener comprising at least one polyetheramine; and a curable epoxy resin composition including (A) at least one epoxy resin compound; and (B) at least one curing agent; wherein the at least one curing agent includes the above amine hardener system.

No. of Pages : 30 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017
(21) Application No.201717022310 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ELECTRICAL SWITCHING APPARATUS AND POLE SHAFT CATCH ASSEMBLY THEREFOR

(51) International classification :H01H71/10,H01H71/50
(31) Priority Document No :14/560191
(32) Priority Date :04/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/056359
Filing Date :20/10/2015
(87) International Publication No :WO 2016/089489
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)GOTTSCHALK Andrew L.
2)RAKUS Paul R.
3)BOGDON Erik R.

(57) Abstract :
A pole shaft catch assembly (100) is for an electrical switching apparatus (2) such as a circuit breaker. The circuit breaker includes a housing (4) separable contacts (6 8) enclosed by the housing (4) and an operating mechanism (10) for opening and closing the separable contacts (6 8). The operating mechanism (10) includes a pole shaft (12) pivotably coupled to the housing (4) and a yoke assembly (200) coupled to the pole shaft (12). The pole shaft catch assembly (100) includes a catch arm (102). The catch arm (102) moves between an engaged position in which the catch arm (102) engages the yoke assembly (200) to restrict movement of the yoke assembly (200) and the pole shaft (12) and a disengaged position in which the catch arm (102) disengages the yoke assembly (200). A biasing element (140) biases the catch arm (102) toward the disengaged position. A trigger (180) translates movement of the yoke assembly (200) into movement of the catch arm (102).

No. of Pages : 9 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022046 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PROCESS FOR PRODUCING C2 AND C3 HYDROCARBONS

(51) International classification :C10G65/00,C10G65/10,C10G65/18
(31) Priority Document No :14199594.4
(32) Priority Date :22/12/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2015/079818
Filing Date :15/12/2015
(87) International Publication No :WO 2016/102247
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
The invention relates to a process for producing C2 and C3 hydrocarbons comprising a) subjecting a mixed hydrocarbon stream to first hydrocracking in the presence of a first hydrocracking catalyst to produce a first hydrocracking product stream; and b) subjecting the first hydrocarbon product stream to C4 hydrocracking optimized for converting C4 hydrocarbons into C3 hydrocarbons in the presence of a C4 hydrocracking catalyst to obtain a C4 hydrocracking product stream comprising C2 and C3 hydrocarbons.

No. of Pages : 30 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022056 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PROBE FOR THE CONTINUOUS MONITORING IN REAL TIME OF CHEMICAL PARAMETERS OF INTEREST DIRECTLY IN THE GROUND AND SYSTEM FOR THE CONTINUOUS MONITORING IN REAL TIME OF SAID CHEMICAL PARAMETERS OF INTEREST

(51) International classification :G01N27/26,G01N33/24
(31) Priority Document No :P201431756
(32) Priority Date :26/11/2014
(33) Name of priority country :Spain
(86) International Application No :PCT/ES2015/070853
Filing Date :25/11/2015
(87) International Publication No :WO 2016/083649
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)ARASA PUIG Eva

(57) Abstract :
The invention relates to a monitoring probe (1) comprising: an FR 4 substrate (2) with two faces; two copper tracks (3) arranged on one of the faces of the substrate (2) with an electrical contact terminal (7) on the outside of the probe (1); a conductive region (6) with reference electrode functions with an electrical contact terminal (8) on the outside of the probe (1) occupying the entire other face of the substrate (2); a passivation material layer (5) partially covering the copper tracks (3) and leaving two free zones (12 13) of said tracks (3) uncovered one of said free zones (12) corresponding to the electrical contact terminal (7) of the two copper tracks (3); and two ESI sensor elements (4) that are sensitive to at least one of the parameters of interest to be monitored in the ground and arranged in the other of the free zones (13) of the two copper tracks (3).

No. of Pages : 20 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022060 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PAPER SHEET STORAGE UNIT AND AUTOMATIC TELLER MACHINE

(51) International classification :G07D9/00,B65H31/24
(31) Priority Document No :2015113355
(32) Priority Date :03/06/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/058969
Filing Date :22/03/2016
(87) International Publication No :WO 2016/194442
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)FUJITA Junji
2)UENO Masayasu

(57) Abstract :
Provided is a paper sheet storage unit and an automatic teller machine with which storage space can be partitioned while maintaining operability with respect to paper currency. The paper sheet storage unit is equipped with: a partition member that partitions a storage space for paper sheets into multiple storage spaces and has a recessed portion at a position where the paper sheets are removed; and a door that has a protruding portion for filling the recessed portion at a position corresponding to the recessed portion and that opens/closes an opening that includes the multiple storage spaces.

No. of Pages : 24 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022073 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ANTI CLL1 SPECIFIC SINGLE CHAIN CHIMERIC ANTIGEN RECEPTORS (SCCARS) FOR CANCER IMMUNOTHERAPY

(51) International classification :C07K16/28,A61K39/395
(31) Priority Document No :PA201570044
(32) Priority Date :26/01/2015
(33) Name of priority country :Denmark
(86) International Application No :PCT/EP2016/051469
Filing Date :25/01/2016
(87) International Publication No :WO 2016/120218
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)RINAT NEUROSCIENCE CORPORATION
(72)**Name of Inventor :**
1)SMITH Julianne
2)VALTON Julien
3)JUILLERAT Alexandre
4)DUCHATEAU Philippe
5)SASU Barbra Johnson
6)RAJPAL Arvind

(57) Abstract :
The present invention relates to Chimeric Antigen Receptors (CAR) that are recombinant chimeric proteins able to redirect immune cell specificity and reactivity toward CLL1 positive cells. The engineered immune cells endowed with such CARs are particularly suited for immunotherapy for treating cancer in particular leukemia.

No. of Pages : 140 No. of Claims : 65

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022074 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : TRANSPORT DEVICE

(51) International classification :B65B7/28
(31) Priority Document No :2015009691
(32) Priority Date :21/01/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/051674
Filing Date :21/01/2016
(87) International Publication No :WO 2016/117635
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)FUKINBARA Tsutomu
2)MITSUHASHI Mitsuyuki

(57) Abstract :
Provided is a transport device comprising: a mover device for moving a paper container for a liquid having a cylindrical barrel member and a lid member with an outer peripheral edge part that rises in the upward direction the container being moved while upright so that the lid member is located at the upper surface of the paper container for a liquid; a feed device for feeding out a tab sheet member; a cutting device for cutting the tab sheet member fed from the feed device thereby forming a tab member having a first edge and a second edge; a transfer device for retaining the second edge of the tab member and capable of rotating the tab member about a generally horizontal axis from a cutting location above the lid member to an adhesion location at the upper surface of the lid member; and a preliminary attachment device for preliminarily attaching the first end of the tab member rotated to the adhesion location to the lid member.

No. of Pages : 37 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021808 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : COMPOSITIONS COMPRISING VINYLIDENE FLUORIDE POLYMERS AND ADSORBENT CARBON MATERIALS

(51) International classification :C08L27/16,C08K3/04,C09D127/16
(31) Priority Document No :14307180.1
(32) Priority Date :24/12/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2015/080709
Filing Date :21/12/2015
(87) International Publication No :WO 2016/102418
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)DUBOIS Eric
2)GOFFIN Anne Lise
3)JOLLY Julien

(57) Abstract :
Composition comprising a) a polymer comprising recurring units derived from vinylidene fluoride monomer and at least one monomer carrying at least one functional group selected from carboxyl groups ester groups and hydroxyl groups and b) a microporous adsorbent carbon material having a specific surface area (BET) of at least 700 m/g a pore volume in the range of from 0.1 to 0.7 m/g at least 60 % of said pore volume being formed by micropores having a pore radius of 2 nm or less.

No. of Pages : 27 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021809 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ABSORPTION AND MARKING OF A POTENTIALLY DANGEROUS SUBSTANCE

(51) International classification :E01H1/00
(31) Priority Document No :14 63265
(32) Priority Date :23/12/2014
(33) Name of priority country :France
(86) International Application No :PCT/EP2015/079625
Filing Date :14/12/2015
(87) International Publication No :WO 2016/102226
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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2)BLOMET Jo«l

(57) Abstract :
The present invention relates to a device (100) for absorbing and marking a potentially dangerous substance (P) on the ground (S) said device (100) including: an elongate hollow body (10) the inner walls (10a) of which define a storage space (VI) in which a powder (20) is stored which is capable of absorbing said substance (P) when said powder (20) comes into contact with said substance (P) said storage space (VI) leading into an opening (12) for pouring said powder (20) onto said substance (P) in order to neutralise said substance (P) a base (30) on which the lower end of said body (10) is directly or indirectly mounted said base (30) projecting laterally relative to said body (10) so as to form a marker in order to position said device (100) on the ground (S) in a stable manner and to mark the presence of said absorbed substance (P) on the ground (S).

No. of Pages : 12 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021810 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : BOUNDARY SAMPLE SELECTION METHOD BOUNDARY SAMPLE SELECTION DEVICE STORAGE MEDIUM AND BOUNDARY SAMPLE SELECTION SYSTEM

(51) International classification	:G01N17/00,G01M99/00,G01N21/27
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:PCT/JP2014/081745 :01/12/2014
(87) International Publication No	:WO 2016/088169
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)OGAWA Tamotsu
3)MOROOKA Chikara
4)MATSUOKA Yuki
5)ONIKI Hideharu

(57) Abstract :
A boundary sample selection method according to an embodiment of the present invention comprises: acquiring a deterioration trend of brand new equipment; acquiring a deterioration trend of repaired equipment repaired after long term use; and comparing the deterioration trend of the brand new equipment and the deterioration trend of the repaired equipment to thereby select a boundary sample indicating a limit state that serves as a reference for reuse of the equipment and that permits the reuse of the equipment.

No. of Pages : 21 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021811 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : WATER ENHANCING FIRE SUPPRESSING HYDROGELS

(51) International classification :A62D1/00
(31) Priority Document No :62/084965
(32) Priority Date :26/11/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2015/051235
Filing Date :26/11/2015
(87) International Publication No :WO 2016/082041
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)MARIAMPILLAI Brian
2)YANG Yun

(57) Abstract :
The present application provides water enhancing fire suppressing hydrogels that are formulated to minimize toxicity and negative environmental impact. The present application provides a composition comprising: (i) at least one thickening agent; (ii) at least one liquid medium; and optionally (iii) one or more suspending agents wherein the composition consists of >75% by weight consumer grade components and wherein the composition is a concentrate that can be mixed with water or an aqueous solution to form a fire suppressing water enhancing hydrogel. Each of the at least one thickening agent suspending agent and liquid medium can be non toxic and biodegradable. Also provided are the fire suppressing water enhancing hydrogel and methods of production and use thereof during fire fighting or fire prevention.

No. of Pages : 28 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021812 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : VOLUME LEVEL REDUNDANCY CODING TECHNIQUES FOR SEQUENTIAL TRANSFER OPTIMIZED STORAGE DEVICES

(51) International classification :G06F17/30,G06F11/14
(31) Priority Document No :14/578130
(32) Priority Date :19/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/065640
Filing Date :14/12/2015
(87) International Publication No :WO 2016/100238
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)DONLAN Bryan James
2)FRANKLIN Paul David
3)SUVER Claire Elizabeth

(57) Abstract :
Techniques described and suggested herein include systems and methods for storing indexing and retrieving original data of data archives on data storage systems using redundancy coding techniques. For example redundancy codes such as erasure codes may be applied to archives (such as those received from a customer of a computing resource service provider) so as allow the storage of original data of the individual archives available on a minimum of volumes such as those of a data storage system while retaining availability durability and other guarantees imparted by the application of the redundancy code. Sparse indexing techniques may be implemented so as to reduce the footprint of indexes used to locate the original data once stored.

No. of Pages : 35 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017

(21) Application No.201717022311 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DISPLAY MODULE AND MULTI DISPLAY DEVICE INCLUDING THE SAME

(51) International classification :G09F9/302
(31) Priority Document No :62/100174
(32) Priority Date :06/01/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/KR2015/014152
Filing Date :23/12/2015
(87) International Publication No :WO 2016/111484
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)JUNG Jong hoon
2)KIM Dae sik
3)PARK Young mok

(57) Abstract :
A display module is provided including a pixel region having a plurality of pixels and a black matrix arranged outside the pixel region. Each of the pixels is separated from adjacent pixels by a first interval a left distance from the left edge to a first one of the plurality of pixels plus a right distance from a second one of the plurality of pixels to the right edge is a first distance and a bottom distance from the bottom edge to a third one of the plurality of pixels plus a top distance from a fourth one of the plurality of pixels to the top edge is the first distance.

No. of Pages : 24 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017

(21) Application No.201717022315 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : HYDROFORMYLATION PROCESS

(51) International classification :C07C45/50
(31) Priority Document No :62/087572
(32) Priority Date :04/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/061332
Filing Date :18/11/2015
(87) International Publication No :WO 2016/089602
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)PHILLIPS George R.
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4)COX Irvin B.
5)HETTERLEY Robert
6)BAINBRIDGE Michael John

(57) Abstract :
Catalytic metal loss when using a hydroformylation catalyst comprising an organophosphite ligand is ameliorated by adding CO to a strip gas vaporizer.

No. of Pages : 36 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017

(21) Application No.201717022316 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : TIRE VULCANIZER

(51) International classification :B29C33/02,B29C35/02
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2015/051329
Filing Date :20/01/2015
(87) International Publication No :WO 2016/117020
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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2)YOKOO Kazutoshi
3)SHINTANI Koji

(57) Abstract :
The tire vulcanizer of the present invention is provided with bead rings (5 6) that support a green tire (30X) and a heater (23) that heats from the inner side of the green tire (30X) supported by the bead rings (5 6) the green tire (30X) by radiation heat of different quantities in the tread width direction of the green tire (30X).

No. of Pages : 20 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017

(21) Application No.201717022329 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SUPERCONDUCTION STABILIZER MATERIAL SUPERCONDUCTING WIRE AND SUPERCONDUCTING COIL

(51) International classification	:C22C9/00,B22D11/00,B22D11/12
(31) Priority Document No	:2015001509
(32) Priority Date	:07/01/2015
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2015/085934 :24/12/2015
(87) International Publication No	:WO 2016/111173
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)FUKUOKA Kosei
2)ITO Yuki
3)MAKI Kazunari

(57) Abstract :
The present invention is a superconduction stabilizer material used in a superconducting wire. The stabilizer material comprises a copper material containing a total of 3 to 400 ppm by mass of one or more additional elements selected from among Ca La and Ce with Cu and inevitable impurities as the remainder. The total concentration of the inevitable impurities other than the gas components O H C N and S is 5 to 100 ppm by mass.

No. of Pages : 26 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017

(21) Application No.201717022330 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DELTA133P53BETA AND DELTA133P53GAMMA ISOFORMS ARE BIOMARKERS OF CANCER STEM CELLS

(51) International classification :C12N5/095,G01N33/50
(31) Priority Document No :15305146.1
(32) Priority Date :30/01/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/052095
Filing Date :01/02/2016
(87) International Publication No :WO 2016/120495
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(57) Abstract :
The present invention is in the field of oncology and more particularly of cancer stem cells. It relates to a method for producing cancer stem cells based on overexpression of 133536 isoform 13353 isoform or both 133536 and 13353 isoforms; a method for predicting the risk that treatment with a chemotherapeutic anti cancer agent induces cancer stem cells in a subject suffering from cancer from a cancer sample of said subject based on detection of an increase in 133536 isoform 13353 isoform or both 133536 and 13353 isoforms following chemotherapeutic anti cancer treatment; to therapeutic uses of a combination of chemotherapeutic anti cancer agent and an agent reducing 133p536 isoform 13353 isoform or both 133536 and 13353 isoforms expression; and also to screening methods for anti cancer stem cells agents.

No. of Pages : 66 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017

(21) Application No.201717022331 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : COMBINATION THERAPIES WITH RECOMBINANT LISTERIA STRAINS

(51) International classification	:C12N15/70,C12N15/62,C07K14/195
(31) Priority Document No	:62/094349
(32) Priority Date	:19/12/2014
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2015/066885 :18/12/2015
(87) International Publication No	:WO 2016/100924
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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2)ADVAXIS INC.
(72)**Name of Inventor :**
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2)WALLECHA Anu
3)PATERSON Yvonne
4)SINGH Reshma

(57) Abstract :
The disclosure is directed to compositions comprising an oncolytic virus chimeric antigen receptor T cells (CAR T cells) a therapeutic or immunomodulating monoclonal antibody a targeting thymidine kinase inhibitor (TKI) or an adoptively transferred cells incorporating engineered T cell receptors and a live attenuated recombinant Listeria strain comprising a fusion protein of a Truncated LLO a truncated ActA or a PEST sequence peptide fused to a tumor associated antigen. The disclosure is further directed to methods of treating protecting against and inducing an immune response against a tumor comprising the step of administering the same with or without an additional radiation therapy treatment.

No. of Pages : 148 No. of Claims : 87

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022082 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : POLYURETHANES

(51) International classification :C08G18/48,C08G18/62,C08G18/75
(31) Priority Document No :2014/09373
(32) Priority Date :19/12/2014
(33) Name of priority country :South Africa
(86) International Application No :PCT/IB2015/059787
Filing Date :18/12/2015
(87) International Publication No :WO 2016/098073
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)BEZUIDENHOUT Deon
3)DE VILLIERS Jandr
4)COETZEE Johan
5)CONRADIE David Gideon

(57) Abstract :
Partially crosslinked polyurethane polymers comprising diisocyanates and aliphatic hydrocarbon soft segments with a short chain diol chain extender and a multifunctional amine and/or alcohol crosslinker to provide a polyurethane polymer with useful properties for the production of medical implant devices such as heart valves are described. The polymers have an unexpected linear elastic region in a range from 5 100% and preferably between 10 35%. In some embodiments the polyurethanes are a thermally convertible gel formulation which may be converted to a liquid formulation by extended heating to render the polymer suitable for solvent processing techniques such as casting spraying spinning etc. The invention also provides for living hinge polyurethane polymers which are thermally modifiable from a gel to a liquid and reaction injection moulded (RIM) polyurethanes with an enhanced flex life.

No. of Pages : 26 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022086 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PREVENTION AND TREATMENT OF MICROBIAL INFECTIONS

(51) International classification :A61K35/644,A61P17/02
(31) Priority Document No :1420856.5
(32) Priority Date :24/11/2014
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2015/053584
Filing Date :24/11/2015
(87) International Publication No :WO 2016/083798
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)STAPLES Ian
4)ELDER Iain
5)CALLAGHAN Annette
6)DRYDEN Matthew
7)BARRETT John Reginald
8)KERSHAW David
9)SALIB Rami

(57) Abstract :
Compositions for prevention and treatment of microbial infections such as microbial infections that comprise a biofilm or a microbe that is capable of forming a biofilm are described. The compositions comprise an enzyme that is able to convert a substrate to release hydrogen peroxide and a substance that includes a substrate for the enzyme. The enzyme is additional to any enzyme activity able to convert the substrate to release hydrogen peroxide that may be present in the substance. The substance may be an unrefined natural substance or a substance that includes a purified substrate for the enzyme.

No. of Pages : 78 No. of Claims : 73

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022098 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : IMMUNE MODULATION

(51) International classification :A61K35/74
(31) Priority Document No :1423084.1
(32) Priority Date :23/12/2014
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2015/054112
Filing Date :22/12/2015
(87) International Publication No :WO 2016/102950
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)PATTERSON Angela Margaret
2)GRANT George
3)MULDER Imke

(57) Abstract :
The present invention provides a strain of Bacteroides thetaiotaomicron and derivatives thereof and the use of said strain or derivatives in treating inflammatory autoimmune and allergic disorders. The invention also provides pharmaceutical compositions nutritional supplements feedstuffs food products dietary supplements and food additives comprising said strain or derivatives.

No. of Pages : 26 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022099 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PIRIN POLYPEPTIDE AND IMMUNE MODULATION

(51) International classification :A61K38/00,A61K39/02,A61K35/741
(31) Priority Document No :1423083.3
(32) Priority Date :23/12/2014
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2015/054113
Filing Date :22/12/2015
(87) International Publication No :WO 2016/102951
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)KELLY Denise

(57) Abstract :
The present invention relates to polypeptide HP or a polynucleotide sequence encoding polypeptide HP or a host cell comprising said polynucleotide sequence or a host cell comprising an expression vector comprising said polynucleotide sequence for use in the treatment and/or prevention of a disorder in a subject; wherein said disorder is an inflammatory disorder and/or an autoimmune disorder; wherein said polypeptide has at least 75% identity to SEQ ID NO 2 SEQ ID NO 4 or SEQ ID NO 6 or variants homologues fragments or derivatives thereof; and wherein said polynucleotide sequence encodes a polypeptide which has at least 75% identity to SEQ ID NO 2 SEQ ID NO 4 or SEQ ID NO 6 or variants homologues fragments or derivatives thereof and/or wherein said polynucleotide sequence has at least 75% identity to SEQ ID NO 1 SEQ ID NO 3 or SEQ ID NO 5 or variants homologues fragments or derivatives thereof.

No. of Pages : 105 No. of Claims : 71

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022101 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : MOBILE DEVICE FOR BIOLOGICAL TREATMENT OF BIOREACTOR TYPE WASTEWATER

(51) International classification :C02F3/12,C02F1/44
(31) Priority Document No :1463287
(32) Priority Date :23/12/2014
(33) Name of priority country :France
(86) International Application No :PCT/FR2015/053696
Filing Date :21/12/2015
(87) International Publication No :WO 2016/102872
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)PRADEAU Paul
2)TRAN Van Ly
3)FRAN‡OIS Pierre
4)FRAN‡OIS Rmy

(57) Abstract :
Mobile device for biological treatment of bioreactor type wastewater with a submerged membrane enabling treatment of greywater and blackwater having an inlet duct (36) for effluent to be treated and an outlet duct (8) for treated and filtered water connected to a permeate pump. Said device is characterised in that it comprises a container the interior volume of which is between 50 L and 300 L and has a parallelepiped appearance with two large vertical lateral sides forming a reservoir (1) in which the concentration of bacteria varies between 3 g/L and 30 g/L divided into N columns (2=N=3) delimited by N 1 intermediate vertical separation walls (4 4) each provided with an upper passage (13 13) and a lower passage (14 14) between columns (2 2 3) enabling circulation of effluent between the columns (2 2 3) a membrane filter (5) comprising an assembly of parallel planar filtration membranes (8) also with a vertical appearance presenting a membrane surface area of between 1 m and 12 m being located in the upper portion of one of said columns (3) the central column if N=3 under the upper passage(s) (13 13) the membranes (6) being connected to a downstream collector (7) collecting the filtered water and connected to the outlet duct (8) the permeate pump ensuring a transmembrane flow less than the subcritical flow at least one diffuser (11 11 12) of fine air bubbles being located at the base of each column (2 3) each diffuser (11 11 12) being connected to a regulating solenoid valve and to pumping means ensuring therein an airflow greater than or equal to 10 Nm/h per diffuser.

No. of Pages : 12 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201717021813 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : FABRICATING THREE DIMENSIONAL OBJECTS

(51) International classification	:B29C67/00,B33Y50/02,B33Y30/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:PCT/EP2015/051949 :30/01/2015
(87) International Publication No	:WO 2016/119885
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)SANZ ANANOS Santiago
2)SANZ ANANOS Isabel
3)CULUBRET Sergi

(57) Abstract :
A method of fabricating a three dimensional object is provided. A build layer comprising an area of solidified build material and an area of non solidified build material is formed. The build layer is formed by depositing a layer of non solidified build material and treating the build material to form the area of solidified build material. The method also involves determining an edge profile for the build layer. Determining the edge profile involves measuring a variation in height of the build layer across a transition between the area of solidified build material and the area of non solidified build material.

No. of Pages : 19 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717021860 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : OPTICAL MONITORING SYSTEM FOR OBSERVING INTERNAL CONDITIONS IN THE TUYERE ZONE OF A BLAST FURNACE

(51) International classification :C21B7/16,C21B7/24,C21C5/46
(31) Priority Document No :LU 92 653
(32) Priority Date :10/02/2015
(33) Name of priority country :Luxembourg
(86) International Application No :PCT/EP2016/052663
Filing Date :09/02/2016
(87) International Publication No :WO 2016/128366
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)TOCKERT Paul
2)JUNG Beno®t

(57) Abstract :
The invention relates to an optical monitoring system (26) for monitoring operating conditions in a tuyere zone of a blast furnace. This system comprises a light deflecting device (40) with a peep sight (28) arranged in a first face (46) of the light deflecting device (40) and an optical sensor (30) arranged in a second face (48) of the light deflecting device (40). A light deflector (41)is arranged within the light deflecting device (40) for directing incident light from the tuyere zone towards the peep sight (28) and towards the optical sensor (30). The light deflecting device (40) comprises a housing (56) with a spherical body (60) rotatably arranged therein. The spherical body (60) comprises three passages: a first passage (62) which is when the light deflecting device (40) is connected to the rear portion of the blowpipe (18) facing the tuyere for allowing incident light from the tuyere zone to enter the spherical body (60); a second passage (70) facing the peep sight (28); a third passage (72) facing the optical sensor (30). The first second and third passages (62 68 72) are configured so as to meet each other within the spherical body (60). The light deflector (41) is arranged within the spherical body (60) at the intersection of the first second and third passages (62 68 72). Furthermore the light deflecting device (40) comprises an opening (76) in a third face (50) of the housing (56) for accessing the spherical body (60) for allowing rotation of the spherical body (60) within the housing (56). The spherical body (60) comprises a socket (78) facing the opening (76) in the third face (50). The opening (76) is a guiding slot (86) whose width is substantially the same as a diameter of the socket (78).

No. of Pages : 10 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717021888 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : NANOPARTICLE COMPOSITIONS AND METHODS FOR IMMUNOTHERAPY

(51) International classification :A61K39/395,A61K9/14
(31) Priority Document No :62/096725
(32) Priority Date :24/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/000340
Filing Date :24/12/2015
(87) International Publication No :WO 2016/105542
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)MCCREEDY Bruce

(57) Abstract :
The present invention provides compositions and methods for immunotherapy which include shelf stable pharmaceutical compositions for inducing antigen specific T cells. Such compositions are employed as components of an artificial antigen presenting cell (aAPC) to provide a patient with complexes for presentation of an antigen (e.g. a tumor antigen) and/or a T cell co stimulatory molecule.

No. of Pages : 40 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717021889 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : LIGHTWEIGHT LAMINATES AND PLATE CARRIER VESTS AND OTHER ARTICLES OF MANUFACTURE THEREFROM

(51) International classification :B32B5/08,B32B5/12,B32B27/32
(31) Priority Document No :62/101911
(32) Priority Date :09/01/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2016/000568
Filing Date :08/01/2016
(87) International Publication No :WO 2016/113637
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)DOWNS Roland Joseph
2)ADAMS Christopher Michael
3)MCDANIELS Keith Joel

(57) Abstract :
A lightweight laminate comprises: (a) a first outer layer; (b) at least one internal reinforcing layer; (c) optionally one or more intervening film layers; and (d) a second outer layer wherein the at least one internal reinforcing layer is disposed between first and second outer layers and wherein the second outer layer is saturated partially saturated and coated or partially coated with a wet out resin. Reinforcing layers can comprise unitape further comprising parallel monofilaments embedded in resin. An article of manufacture such as MOLLE a plate carrier or other military law enforcement or recreational apparel or gear comprises the lightweight laminate.

No. of Pages : 70 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717021920 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : POLYOLEFIN COMPOSITION AND PROCESS FOR PREPARING THE SAME

(51) International classification :C08K5/00,C08K5/1575,C08L23/10
(31) Priority Document No :62/098808
(32) Priority Date :31/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/068123
Filing Date :30/12/2015
(87) International Publication No :WO 2016/109708
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)MEHL Nathan A.

(57) Abstract :
A polyolefin composition comprises (a) a polypropylene polymer (b) 1 3:2 4 bis O [(3 4 dimethylphenyl)methylene] D glucitol and (c) 1 3:2 4 bis O [(3 4 dichlorophenyl)methylene] D glucitol. A method for producing a polyolefin composition comprises the steps of (a) providing a polypropylene polymer; (b) providing 1 3:2 4 bis O [(3 4 dimethylphenyl)methylene] D glucitol; (c) providing 1 3:2 4 bis O [(3 4 dichlorophenyl)methylene] D glucitol; (d) mixing the 1 3:2 4 bis O [(3 4 dimethylphenyl)methylene] D glucitol and the 1 3:2 4 bis O [(3 4 dichlorophenyl)methylene] D glucitol with the polypropylene polymer to produce a mixture; (e) heating the mixture to a temperature equal to or greater than the melting point of the polypropylene polymer; and (f) cooling the heated mixture to a temperature below the melting point of the polypropylene polymer thereby producing a polyolefin composition.

No. of Pages : 21 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717021921 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ADDITIVE MANUFACTURING APPARATUS AND METHODS

(51) International classification :B29C67/00,B22F3/105
(31) Priority Document No :1423025.4
(32) Priority Date :23/12/2014
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2015/054151
Filing Date :23/12/2015
(87) International Publication No :WO 2016/102970
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)GREENFIELD Benjamin John
2)MUNDAY Jonathan
3)SUTCLIFFE Christopher

(57) Abstract :
This invention concerns an additive manufacturing apparatus for building a part by selectively consolidating flowable material in a layer by layer building process. The apparatus comprises an inert gas vessel comprising a build chamber (101 201 401) a layering device (108. 109) for depositing layers of material in the build chamber (101 201 401); a scanner (106 206 406) for delivering an energy beam to selected areas of each layer to consolidate flowable material of the layer a gas flow circuit (160 260 460) for generating an inert gas flow through the build chamber (101 201 401) and a cooling device (164 264 464) arranged to cool an internal surface of the gas flow circuit (160 260 460) to generate cooled inert gas. The gas flow circuit (160 260 460) is arranged such that the cooled inert gas can be delivered into the build chamber (101 201 401).

No. of Pages : 14 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717021922 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : NON ORIENTED ELECTROMAGNETIC STEEL SHEET AND METHOD FOR MANUFACTURING SAME

(51) International classification :C22C38/00,C21D8/12,C22C38/14
(31) Priority Document No :2015053095
(32) Priority Date :17/03/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/057572
Filing Date :10/03/2016
(87) International Publication No :WO 2016/148010
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)NIPPON STEEL & SUMITOMO METAL CORPORATION
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(72)**Name of Inventor :**
1)KANO Satoshi
2)WAKISAKA Takeaki
3)TANAKA Ichiro

(57) Abstract :
This non oriented electromagnetic steel sheet contains in mass% C: 0% 0.0050% Si: 0.50% 2.70% Mn: 0.10% 3.00% Al: 1.00% 2.70% and P: 0.050% 0.100%. Al/(Si + Al + 0.5 — Mn) is equal to 0.50 0.83 Si + Al/2 + Mn/4 + 5 — P is equal to 1.28 3.90 Si + Al + 0.5 — Mn is equal to 4.0 7.0 the ratio of the intensity I{100} of the {100} plane to the intensity I{111} of the {111} plane is 0.50 1.40 the specific resistance at room temperature is 60.0 — 10Om or greater and the thickness is 0.05 0.40 mm.

No. of Pages : 45 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717021923 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DEVICE FOR SOLID PHASE EXTRACTION AND METHOD FOR USE THEREOF

(51) International classification	:G01N30/06,G01N30/72,G01N30/89
(31) Priority Document No	:62/093286
(32) Priority Date	:17/12/2014
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2015/065993 :16/12/2015
(87) International Publication No	:WO 2016/100447
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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1)IRANETA Pamela C.
2)ZHANG Xin
3)MARSZALKOWSKI Frank John Jr.

(57) Abstract :
Disclosed is a device for a solid phase extraction comprising two or more of the sorbents to remove phospholipids and salts from a sample to thereby eliminate matrix effects during mass spectrometry analysis. In particular the sorbents includes at least one sorbent which is water wettable and contains at least one hydrophobic component and at least one hydrophilic component and at least one of sorbent having a specific affinity for a matrix interference like phospholipids. Further disclosed is a method using the device of the present invention.

No. of Pages : 74 No. of Claims : 95

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022102 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : FUNGICIDAL COMPOSITIONS

(51) International classification :A01N43/40
(31) Priority Document No :62/098224
(32) Priority Date :30/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/068019
Filing Date :30/12/2015
(87) International Publication No :WO 2016/109641
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)HOPKINS Derek J.
2)CATHIE Cheryl Ann
3)MATHIESON Todd
4)FOSTER Neil

(57) Abstract :
Described herein are fungicidal compositions in the form of an emulsifiable concentrates that include a first fungicidal compound optionally at least one additional fungicidal compound two or more surfactants and a water immiscible organic solvent comprised of a mixture of organic compounds including at least one acetate ester at least one N N dialkylcarboxamide and at least one of a ketone and an alcohol and methods of use of such compositions to control important fungal diseases of plants.

No. of Pages : 42 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022103 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : BALANCED THREAD FORM TUBULARS EMPLOYING THE SAME AND METHODS RELATING THERETO

(51) International classification :E21B17/042
(31) Priority Document No :14/602947
(32) Priority Date :22/01/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/012310
Filing Date :06/01/2016
(87) International Publication No :WO 2016/118324
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)JELLISON Michael Joseph

(57) Abstract :
A tubular member (50) having a longitudinal axis (55) a first end (60) and a second end (80) is disclosed. The tubular member includes a pin connector including an external shoulder (62) an internal shoulder (64) axially spaced from the external shoulder and a plurality of threads (68) in a region between the external shoulder and the internal shoulder that taper relative to the longitudinal axis at 1.0 to 1.5 inches per foot. The threads include an axial density measured in a number of threads per inch (TPI) and when the pin connector is threadably engaged with a box connector each of the threads contacts a corresponding box thread on the box connector along a projected radial distance H. In addition the threads are configured such that the product of 2(v3)()() is greater than or equal to 0.95 and less than or equal to 1.05.

No. of Pages : 16 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022106 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : FUNGICIDAL COMPOSITIONS

(51) International classification :A01N43/40
(31) Priority Document No :62/098199
(32) Priority Date :30/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/068011
Filing Date :30/12/2015
(87) International Publication No :WO 2016/109634
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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2)CATHIE Cheryl Ann
3)MATHIESON Todd
4)FOSTER Neil

(57) Abstract :
Described herein are fungicidal compositions in the form of an emulsifiable concentrates that include a first fungicidal compound optionally at least one additional fungicidal compound two or more surfactants and a water immiscible organic solvent comprised of a mixture of organic compounds including at least one acetate ester and at least one N N dialkylcarboxamide. The compositions are homogeneous stable upon storage and upon dilution in water form stable emulsions that can be sprayed onto plants to control important fungal diseases.

No. of Pages : 45 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022107 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SINGLE SERVE DISPLAY BAG

(51) International classification :B65D75/12,B65D75/56,B65D75/58
(31) Priority Document No :62/103714
(32) Priority Date :15/01/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/013326
Filing Date :14/01/2016
(87) International Publication No :WO 2016/115296
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)SINGLES Michael
2)SAVAGE Justin

(57) Abstract :
A display bag is provided and may include a housing formed from a flexible material and having a first end a second end and an inner volume extending between the first end and the second end. The display bag may also include a hanging device disposed proximate to the first end and a first panel disposed proximate to the second end and movable from a closed state closing a first opening formed in the housing and restricting access to the inner volume and an open state permitting access to the inner volume via the first opening.

No. of Pages : 21 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022108 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD OF EXAMINING AN EYE OF A SQUINTING PERSON BY USE OF A PERISCOPIC DEVICE AND SUCH A PERISCOPIC DEVICE

(51) International classification	:G02B23/08,G02B25/00,A61B3/08
(31) Priority Document No	:14199641.3
(32) Priority Date	:22/12/2014
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2015/080944 :22/12/2015
(87) International Publication No	:WO 2016/102547
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
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2)BONNE Max
3)CHRISTENSEN Thomas Olund

(57) Abstract :
The present invention relates to a periscopic device (3) for examining an eye of a person having an inwardly squinting eye (esotropia). The periscopic device (3) comprises a tube (4) a first mirror (5) arranged inside the first end (6) of the tube (4) and a second mirror (7) arranged inside the second end (8) of the tube (4). In one embodiment of the invention the first and the second mirrors (5 7) are arranged so that when the person looks through the periscopic device (3) with the inwardly squinting eye (2) while the other eye (1) is being examined the first and the second mirrors (5 7) (10 11) each deflects the line of sight of the person by an angle of approximately 90°. The periscopic device (3) further comprises a base out prism (9) arranged in front of the first mirror (5) so that during use of the periscopic device (3) the line of sight of the inwardly squinting eye (2) is deflected towards the first mirror (5). In another embodiment of the invention the first and the second mirrors (5 7) are arranged non parallel to each other and the first mirror (5) is arranged so that when the person looks through the periscopic device (3) with the inwardly squinting eye (2) while the other eye (1) is being examined the line of sight of the inwardly squinting eye (2) is reflected in the first mirror (5) and towards the second mirror (7).

No. of Pages : 12 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022109 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD FOR PRODUCING FINE ORGANIC PIGMENT

(51) International classification	:C09B67/20,C08F220/00,C08L57/00
(31) Priority Document No	:2014266649
(32) Priority Date	:26/12/2014
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2015/085118 :15/12/2015
(87) International Publication No	:WO 2016/104260
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)OZAKI Yuki
2)UEDA Yasufumi
3)SATO Takahiro

(57) Abstract :
Provided is a method for producing a fine organic pigment which is capable of efficiently miniaturizing a starting material organic pigment and has excellent productivity. The present invention relates to a method for producing a fine organic pigment which comprises a step for kneading a mixture that is obtained by mixing a starting material organic pigment a water soluble inorganic salt a water soluble organic solvent and a resin and wherein the resin is a copolymer that is obtained by copolymerizing (A) an ethylenically unsaturated monomer having an aromatic ring (B) an ethylenically unsaturated monomer having a carboxy group and (C) an ethylenically unsaturated monomer having a polyethylene oxide chain and an average number of moles of added ethylene oxide of from 1 to 50 (inclusive).

No. of Pages : 40 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022110 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : LIPID ENCAPSULATED GAS MICROSPHERE COMPOSITIONS AND RELATED METHODS

(51) International classification :A61K49/22,A61K49/18,A61K49/08
(31) Priority Document No :62/098453
(32) Priority Date :31/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/067615
Filing Date :28/12/2015
(87) International Publication No :WO 2016/109400
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)ROBINSON Simon P.
2)SIEGLER Robert W.
3)ONTHANK David C.
4)NGUYEN Nhung Tuyet

(57) Abstract :
The invention provides inter alia improved lipid formulations used to generate lipid encapsulated gas microspheres and methods of their use.

No. of Pages : 63 No. of Claims : 99

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022111 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SURFACTANT COMPOSITION

(51) International classification :C11D3/20,A61K8/19,A61K8/34
(31) Priority Document No :2014266638
(32) Priority Date :26/12/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/084311
Filing Date :07/12/2015
(87) International Publication No :WO 2016/104127
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)KAO CORPORATION
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(72)**Name of Inventor :**
1)KAMENOUE Shogo

(57) Abstract :
Provided are: a surfactant composition which has excellent storage stability while maintaining high viscosity even if the concentration of a surfactant is low; and a method for producing the surfactant. The present invention relates to [1] a surfactant composition which contains (A) a polyol having 2 3 carbon atoms (B) a specific polyoxyalkylene alkyl or alkenyl ether sulfuric acid ester or a salt thereof (C) one or more compounds selected from among alkali metal salts other than the component (B) and the like and (D) water and wherein: the content of the component (A) is 25 98% by mass; the content of the component (B) is 0.05 10% by mass in terms of the sulfuric acid ester; the total content of alkali metals (X) derived from (B) the polyoxyalkylene alkyl or alkenyl ether sulfuric acid ester salt and (C) the one or more compounds selected from among alkali metal salts and the like is 2.5% by mass or less in terms of metal elements; and the molar ratio of the alkali metals (X) to the component (B) is 1.5 or more. The present invention also relates to [2] a method for producing the above described composition.

No. of Pages : 42 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022112 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : MODIFIED CRY1CA TOXINS USEFUL FOR CONTROL OF INSECT PESTS

(51) International classification :A61K38/00,A61K38/16,C07K1/00
(31) Priority Document No :62/097833
(32) Priority Date :30/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/066182
Filing Date :16/12/2015
(87) International Publication No :WO 2016/109212
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)SHEETS Joel J.
2)NARVA Kenneth
3)MEADE Thomas
4)HEY Timothy D.
5)TAN Sek Yee
6)ETTER Audrey Jane
7)GLANCY Todd P.
8)ARMSTRONG Janna Mai
9)CORAM Tristan E.
10)MADDURI Krishna M.
11)KING James E.
12)LEE Ryan M.
13)LIN Gaofeng
14)LI Jianquan

(57) Abstract :
Bacillus thuringiensisThe subject invention concerns modified Cry1Ca insecticidal toxins and the polynucleotide sequences which encode these toxins. Uses in transgenic plants are described as are methods for protecting crops from insect pest damage.

No. of Pages : 70 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022113 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : LAUNDRY DETERGENT COMPOSITIONS STABILIZED WITH AN AMPHIPHILIC RHEOLOGY MODIFIER CROSSLINKED WITH AN AMPHIPHILIC CROSSLINKER

(51) International classification :C11D17/00,C11D1/83,C11D3/37
(31) Priority Document No :62/095847
(32) Priority Date :23/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/066972
Filing Date :21/12/2015
(87) International Publication No :WO 2016/106168
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)PARK Jung Hyun
2)SHUSTER Francine I.
3)LI Sinan

(57) Abstract :
A liquid laundry detergent composition capable of suspending particles and insoluble materials while remaining readily pourable. The composition is stable over long periods of time. In one aspect the liquid laundry detergent comprises in an aqueous medium: a) at least one nonethoxylated anionic surfactant; b) at least one ethoxylated anionic surfactant; c) at least one nonionic fatty alcohol ethoxylate surfactant; d) an optional surfactant selected from a nonionic surfactant other than c) a cationic surfactant fatty acid salt surfactant an ampholytic surfactant and mixtures thereof; and e) a nonionic amphiphilic emulsion polymer that is crosslinked with an amphiphilic crosslinking agent.

No. of Pages : 105 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022117 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ADDRESSABLE ELECTRO OPTIC DISPLAY

(51) International classification :G02F1/167
(31) Priority Document No :62/117825
(32) Priority Date :18/02/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/018206
Filing Date :17/02/2016
(87) International Publication No :WO 2016/133980
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)E INK CORPORATION
Address of Applicant :1000 Technology Park Drive Billerica Massachusetts 01821 4165 U.S.A.
(72)**Name of Inventor :**
1)SAINIS Sunil Krishna
2)BISHOP Seth J.

(57) Abstract :
A writing implement is described that dispenses a liquid colorant and produces a magnetic field. The magnetic field may be directed to an electronically driven display having a particle that is responsive to a magnetic field such as an electrophoretic display thereby changing an optical state of the display.

No. of Pages : 21 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022125 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD AND APPARATUS FOR DETECTING THAT A DEVICE IS IMMERSED IN A LIQUID

(51) International classification	:H04W24/08,H04W88/02,H04B11/00
(31) Priority Document No	:1020140166608
(32) Priority Date	:26/11/2014
(33) Name of priority country	:Republic of Korea
(86) International Application No Filing Date	:PCT/KR2015/012759 :26/11/2015
(87) International Publication No	:WO 2016/085265
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)LEE Yong Suk
2)KANG Tae Ho
3)CHOI Sung Woo

(57) Abstract :
A method comprising: receiving by an electronic device a first signal having a first frequency; identifying by the electronic device at least one of a strength of the first signal and a signal to noise ratio of the first signal; outputting by the electronic device a second signal having a second frequency that is different from the first frequency the second signal being output based on the at least one of the strength of the first signal and the signal to noise ratio of the first signal; receiving the second signal by the electronic device; and detecting whether the electronic device is at least partially immersed in a liquid based on the received second signal.

No. of Pages : 33 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022126 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHODS FOR DEVELOPMENT AND USE OF MINIMALLY POLARIZED FUNCTION CELL MICRO AGGREGATE UNITS IN TISSUE APPLICATIONS USING LGR4 LGR5 AND LGR6 EXPRESSING EPITHELIAL STEM CELLS

(51) International classification :C12N5/02
(31) Priority Document No :62/086526
(32) Priority Date :02/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/063114
Filing Date :01/12/2015
(87) International Publication No :WO 2016/089825
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)LOUGH Denver M.

(57) Abstract :
Provided herein are constructs of micro aggregate multicellular minimally polarized grafts containing Leucine rich repeat containing G protein coupled Receptor (LGR) expressing cells for wound therapy applications tissue engineering cell therapy applications regenerative medicine applications medical/therapeutic applications tissue healing applications immune therapy applications and tissue transplant therapy applications which preferably are associated with a delivery vector/substrate/support/scaffold for direct application.

No. of Pages : 37 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022129 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD AND SYSTEM FOR AUDIO SHARING

(51) International classification :H04S7/00
(31) Priority Document No :62/096209
(32) Priority Date :23/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/000164
Filing Date :23/12/2015
(87) International Publication No :WO 2016/105455
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)HUGUET Liliane
(72)**Name of Inventor :**
1)DEGRAYE Timothy
2)HUGUET Liliane

(57) Abstract :
The present invention provide a method and system of audio sharing aimed to revolutionize the way people listen and share music and to give multiple uses to a wireless headphone referred to as HEDphone. A communication protocol referred to as HEDtech protocol is used in a HED system to allow users to share music amongst a plurality of HEDphones while using a single audio source. A wireless connection is established between the HEDphone and a mobile device including an audio source while simultaneously having the capability of allowing other HEDphone users to join wirelessly and listen to the same audio source. A feature of Super Human Hearing (SHH) goes beyond conventional ANR (ambient noise reduction) with additional features that allow the user to control their aural environment by being able to directionally increase or decrease selective frequencies.

No. of Pages : 36 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022134 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : BLANK MOLDED ARTICLE MOLD AND METHOD FOR PRODUCING BLANK

(51) International classification :B21D28/34,B21D28/26
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2014/082767
Filing Date :10/12/2014
(87) International Publication No :WO 2016/092657
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku Tokyo 1008071 Japan
(72)**Name of Inventor :**
1)MATSUNO Takashi
2)EGAMI Akira

(57) Abstract :
Provided is a plate like blank (10) for press molding which is produced by subjecting a metal plate (30) to a shearing work. The blank (10) has a sheared surface (14b) and a broken surface (14c) in the plate thickness direction and has a shearing processed surface (14) which is formed to be annular when viewed in plan. When viewed in plan the edge of the shearing processed surface (14) has curved portions (20) that are curved in a concave shape. The average of the lengths of the broken surface (14c) in the plate thickness direction in the curved portions (20) is larger than the average of the lengths of the broken surface (14c) in the plate thickness direction in the whole periphery of the shearing processed surface (14).

No. of Pages : 36 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022136 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ANTI C10ORF54 ANTIBODIES AND USES THEREOF

(51) International classification :A61K39/395,A61K47/48,C07K16/18
(31) Priority Document No :62/090880
(32) Priority Date :11/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/065331
Filing Date :11/12/2015
(87) International Publication No :WO 2016/094837
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)LIPPINCOTT John
2)VAN DER HORST Edward Thein Htun
3)KIM Sun Young
4)PRESTA Leonard G.
5)THEUNISSEN Jan Willem

(57) Abstract :
The present disclosure relates generally to anti C10orf54 antibodies including antibody drug conjugates comprising the antibodies and methods of their use.

No. of Pages : 402 No. of Claims : 157

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022137 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : IMPROVEMENTS IN JOINT FORMING DEVICES

(51) International classification	:F16B12/20,F16B12/46,A47B96/06
(31) Priority Document No	:1422164.2
(32) Priority Date	:12/12/2014
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/EP2015/079501
Filing Date	:11/12/2015
(87) International Publication No	:WO 2016/092105
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)MIGLI Carlo
2)VALLANCE William Ernest Taylor
3)SVARA Valter
4)LUKEZIC Robert
5)KRIZMAN Simon

(57) Abstract :
A fastening element (20) is provided for use with a tightening element (14) in a device for forming a joint between two panels (18 22). The fastening element is elongate and has a head (13) at one end for engaging the tightening element an expander (15) at the other end and a shank (11) extending there between. The fastening element further comprises a sleeve (10) having an expandable section (16) at one end extending over the expander with the expander operatively engaging the sleeve to cause outward movement of its expandable section upon axial displacement of the fastening element relative to the sleeve. The sleeve is provided with at least one outwardly facing cutting edge (19) on its expandable section. The cutting edge has sufficient strength to cut into the panel material in use of the device when the expandable section is inserted into a face hole in a first one of the panels.

No. of Pages : 10 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022142 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DRIVE SHAFT WITH DIRECT MOUNTED SPROCKETS FOR FILTRATION APPARATUS

(51) International classification :F16H55/30,B01D24/44,B01D29/94
(31) Priority Document No :2014240127
(32) Priority Date :27/11/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/079356
Filing Date :16/10/2015
(87) International Publication No :WO 2016/084516
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)TASHIRO Minoru
2)TASHIRO Makoto

(57) Abstract :
An essentially maintenance free drive shaft (55) with direct mounted sprockets is disposed on a chain driving unit (14) for driving a conveyor (13) of a filtration apparatus. The drive shaft (55) with direct mounted sprockets is provided with a shaft body (60) a pair of metal plate sprockets (61 62) and first mounded sections (71) and second mounded sections (72) that are obtained from weld beads. The first mounded sections (71) are formed at the respective corners formed by the two side surfaces (61b 61c) of the first metal plate sprocket (61) and the shaft body (60) and the first mounded sections (71) are formed so as to alternate changing position in the circumferential direction of the shaft body (60). The second mounded sections (72) are formed at the respective corners formed by the two side surfaces (62b 62c) of the second metal plate sprocket (62) and the shaft body (60) and the second mounded sections (72) are formed so as to alternate changing position in the circumferential direction of the shaft body (60). Torque that is input to the shaft body (60) is transmitted to the metal plate sprockets (61 62) via the mounded sections (71 72).

No. of Pages : 17 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022144 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : RECOMBINANT MICROORGANISMS EXHIBITING INCREASED FLUX THROUGH A FERMENTATION PATHWAY

(51) International classification :C12N15/74,C12N9/02,C12N9/10
(31) Priority Document No :62/089053
(32) Priority Date :08/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/064351
Filing Date :07/12/2015
(87) International Publication No :WO 2016/094334
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)KOEPKE Michael
2)MUELLER Alexander Paul
3)TRAN Loan Phuong

(57) Abstract :
The invention provides a recombinant carboxydotrophic bacterium that expresses one or more of pyruvate:ferredoxin oxidoreductase (EC 1.2.7.1) acetolactate synthase (EC 2.2.1.6) and acetolactate decarboxylase (EC 4.1.1.5). The invention further provides a method of producing a fermentation product by fermenting the recombinant bacterium in the presence of a gaseous substrate comprising CO to produce one or more of ethanol butanol isopropanol isobutanol higher alcohols butanediol 2 3 butanediol succinate isoprenoids fatty acids biopolymers and mixtures thereof.

No. of Pages : 40 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022150 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : NONAQUEOUS ELECTROLYTE SECONDARY BATTERY BATTERY ASSEMBLY AND METHOD OF MANUFACTURING THE SAME

(51) International classification	:H01M4/13,H01M4/62,H01M10/0567
(31) Priority Document No	:2014266674
(32) Priority Date	:26/12/2014
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/IB2015/002413 :23/12/2015
(87) International Publication No	:WO 2016/103023
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)TAKAHATA Koji

(57) Abstract :
Provided is a method of manufacturing a nonaqueous electrolyte secondary battery the method including: constructing a battery assembly by using a positive electrode containing N methyl 2 pyrrolidone and a nonaqueous electrolytic solution containing an oxalato complex compound. In the method the battery assembly is constructed such that a following expression of 0.000036=B/A=0.001048 is satisfied where A (ppm) represents a content of N methyl 2 pyrrolidone per unit mass of a positive electrode active material layer and B (mol/kg) represents a content of the oxalato complex compound per unit mass of a negative electrode active material.

No. of Pages : 29 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022152 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ANTENNA DEVICE MANUFACTURING METHOD THEREFOR AND ELECTRONIC DEVICE HAVING ANTENNA DEVICE

(51) International classification :H01Q1/38,H01Q1/24,H02J50/00
(31) Priority Document No :1020150008773
(32) Priority Date :19/01/2015
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2016/000223
Filing Date :11/01/2016
(87) International Publication No :WO 2016/117867
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)HUR Tae Hyun
2)LEE Jae Yeong

(57) Abstract :
The present invention relates to an antenna device a manufacturing method therefor and an electronic device having the antenna device and the antenna device comprises: an insulating substrate; a first antenna pattern formed on one surface of the insulating substrate; and a second antenna pattern formed on the other surface of the insulating substrate and connected to the first antenna pattern.

No. of Pages : 12 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022156 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : BUSINESS CARD OCR WITH CROWD SOURCING

(51) International classification :H04N1/00
(31) Priority Document No :62/085534
(32) Priority Date :29/11/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IN2015/050178
Filing Date :29/11/2015
(87) International Publication No :WO 2016/084106
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)GUPTA Vishal

(57) Abstract :
The present invention relates to method and system where the data recognition on a business card subsequently improves through crowd sourcing the information and corrections using a client server architecture. It potentially improves on the state of the art OCR technology currently in use for business card scanning.

No. of Pages : 12 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017
(21) Application No.201717022164 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ELECTROMAGNETIC RADIATION SENSING SYSTEM

(51) International classification :G02B3/08,G01V8/10
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2014/093454
Filing Date :10/12/2014
(87) International Publication No :WO 2016/090570
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)HU Xiaoping

(57) Abstract :
An electromagnetic radiation sensing system comprising sensing elements (604 605 606) and a Fresnel lens system for converging electromagnetic radiation; the sensing elements (604 605 606) are used to sense the electromagnetic radiation converged by the Fresnel lens system; the Fresnel lens system comprises at least two toothed faces (601 602 603) located on the same light path each of the tooth faces comprising at least one Fresnel unit; at least one of the two toothed faces is a complex Fresnel refraction surface or a filled Fresnel refraction surface or the two tooth faces are at a same physical interface and an element located thereon has a reflective back surface. The electromagnetic radiation sensing system can adequately utilize the advantage of the thinness of a Fresnel lens and has better convergence without a significant increase in the thickness of the system thus facilitating reducing of the size of a device and improving of the system performance.

No. of Pages : 22 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022175 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : N ((HET)ARYLMETHYL) HETEROARYL CARBOXAMIDES COMPOUNDS AS PLASMA KALLIKREIN INHIBITORS

(51) International classification	:C07D401/14,C07D413/14,A61K31/415
(31) Priority Document No	:1421083.5
(32) Priority Date	:27/11/2014
(33) Name of priority country	:U.K.
(86) International Application No Filing Date	:PCT/GB2015/053615 :26/11/2015
(87) International Publication No	:WO 2016/083820
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)EDWARDS Hannah Joy
3)EVANS David Michael
4)HODGSON Simon Teanby

(57) Abstract :
The present invention provides compounds of formula (I): (I) compositions comprising such compounds; the use of such compounds in therapy (for example in the treatment or prevention of a disease or condition in which plasma kallikrein activity is implicated); and methods of treating patients with such compounds; wherein R5 R6 R7 A B W X Y and Z are as defined herein.

No. of Pages : 102 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022176 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : STABLE AQUEOUS ANTI VASCULAR ENDOTHELIAL GROWTH FACTOR (VEGF) ANTIBODY FORMULATION

(51) International classification :C07K16/22,A61K39/395
(31) Priority Document No :62/108811
(32) Priority Date :28/01/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2016/050273
Filing Date :20/01/2016
(87) International Publication No :WO 2016/120753
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)INGRAM Rebecca Lee
2)WEISER Sarah Elizabeth

(57) Abstract :
The present invention relates to the field of pharmaceutical formulations of antibodies. Specifically the present invention relates to a stable liquid antibody formulation and its pharmaceutical preparation and use. This invention is exemplified by an aqueous formulation of an anti vascular endothelial growth factor (VEGF) antibody.

No. of Pages : 46 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022181 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : COMPUTER IMPLEMENTED METHOD FOR DISPLAYING A USER INTERFACE

(51) International classification :G06F9/445,G06F9/44
(31) Priority Document No :3820/DEL/2014
(32) Priority Date :22/12/2014
(33) Name of priority country :India
(86) International Application No :PCT/EP2015/078691
Filing Date :04/12/2015
(87) International Publication No :WO 2016/102175
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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2)PATEL Siddharth Ramesh
3)DEOGOJI Madhulika Vijay

(57) Abstract :
The invention relates to a computer implemented method for displaying a user interface in a monitoring system for monitoring a number of slave devices in a network by a master device which method comprises the steps of: writing software code for monitoring a number of slave devices in a network; defining at least one display template with a number of data fields in the software code; compiling the software code including the defined display template; and running the compiled software code; while running the compiled software code on the master device performing the steps of: selecting a slave device by a user from a list of slave devices connected to the network; loading and parsing a data file for the selected slave device; activating at least one of the data fields in the at least one display template depending on the parsed data file; reading data from the selected device; integrating the read data into the activated data fields of the display template; and displaying the at least one display template with the integrated data.

No. of Pages : 7 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022182 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD FOR ACCESSING A NUMBER OF SLAVE DEVICES WITH REGISTERS BY A MASTER DEVICE OVER A NETWORK

(51) International classification :G06F13/10
(31) Priority Document No :3819/DEL/2014
(32) Priority Date :22/12/2014
(33) Name of priority country :India
(86) International Application No :PCT/EP2015/078698
Filing Date :04/12/2015
(87) International Publication No :WO 2016/102176
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)PATEL Siddharth Ramesh
3)SOLVANDE Atul Jagannath

(57) Abstract :
The invention relates to a computer such as a programmable logic controller (PLC) implemented method for accessing a number of slave devices having a number of registers by a master device on a network which method comprises the steps of: providing a generic driver software in the master device for accessing slave devices on the network; reading by the master device description files describing the slave devices on the network; using the description files for converting data read from and written to the generic driver when accessing the slave devices on the network.

No. of Pages : 5 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022187 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : FEMORAL STEM INCLUDING AN ANCHOR TO FACILITATE ASSEMBLY AND IMPLANTATION

(51) International classification :A61F2/36,A61F2/46
(31) Priority Document No :62/103826
(32) Priority Date :15/01/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/013381
Filing Date :14/01/2016
(87) International Publication No :WO 2016/115330
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)MCANELLY Jeffrey A.
4)ROOSE Jeffrey R.
5)KAVANAGH Edward
6)BADGLEY Theodore L.

(57) Abstract :
An orthopaedic prosthesis for use in a hip replacement surgery. The orthopaedic prosthesis includes an elongated stem component that has a proximal body a neck extending superiorly and medially from the proximal body and a tapered stem extending inferiorly from the proximal body. An anchor is positioned on the neck and is configured to be engaged by a surgical instrument. A system for use in assembling the orthopaedic prosthesis and a method of assembly are also disclosed.

No. of Pages : 25 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022190 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : MULTI LAYER STRUCTURE AND PACKAGING MATERIAL USING SAME

(51) International classification :B32B9/00,B32B27/00,B65D65/40
(31) Priority Document No :2014261114
(32) Priority Date :24/12/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/006454
Filing Date :24/12/2015
(87) International Publication No :WO 2016/103715
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)INUBUSHI Yasutaka

(57) Abstract :
Provided are: a novel multi layer structure having excellent gas barrier properties and water vapor barrier properties and having excellent retort resistance; and a packaging material using same. The present invention relates to a multi layer structure including a base material (X) and a layer (Y) laminated upon the base material (X). The layer (Y) includes: a compound (A) including aluminum; and an organic phosphorous compound (BO). The organic phosphorous compound (BO) includes 0.4 8.0 mol% relative to a functional group including phosphorous atoms of at least one type of metal ion (Z) selected from groups 1 12 in the periodic table.

No. of Pages : 42 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022191 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : MULTILAYER STRUCTURE AND METHOD FOR MANUFACTURING SAME PACKAGING MATERIAL AND PRODUCT USING SAME AND PROTECTIVE SHEET FOR ELECTRONIC DEVICE

(51) International classification	:B32B9/00,B65D81/24,H01L31/048
(31) Priority Document No	:2014261118
(32) Priority Date	:24/12/2014
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2015/006459 :24/12/2015
(87) International Publication No	:WO 2016/103719
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)SASAKI Ryoichi
3)OTA Masahiko

(57) Abstract :
The present invention pertains to a multilayer structure which includes a base material (X) and a layer (Y) laminated to the base material (X) wherein the layer (Y) includes (D) a reaction product of (A) an aluminum containing compound and (B) a phosphorus compound the average particle diameter of the reaction product (D) being in the range of 5 70 nm.

No. of Pages : 64 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022192 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : FUMAGILLOL DERIVATIVES

(51) International classification :C07F9/53,C07F9/40,A61K31/66
(31) Priority Document No :62/094823
(32) Priority Date :19/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/066594
Filing Date :18/12/2015
(87) International Publication No :WO 2016/100778
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)CHERUVALLATH Zacharia
2)LAWSON John David
3)MCBRIDE Christopher

(57) Abstract :
Disclosed are compounds of Formula (1) stereoisomers thereof and pharmaceutically acceptable salts of the compounds and stereoisomers wherein R and R are defined in the specification. This disclosure also relates to materials and methods for preparing compounds of Formula (1) to pharmaceutical compositions which contain them and to their use for treating obesity and related diseases disorders and conditions associated with MetAP2.

No. of Pages : 46 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201717022194 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD AND DEVICE FOR TRANSMITTING INDICATION INFORMATION

(51) International classification :H04W72/12
(31) Priority Document No :PCT/CN2014/094539
(32) Priority Date :22/12/2014
(33) Name of priority country :China
(86) International Application No :PCT/CN2015/077357
Filing Date :24/04/2015
(87) International Publication No :WO 2016/101460
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)XU Xiuqiang
2)WU Yiqun
3)RONG Lu
4)ZHANG Shunqing
5)CHEN Yan

(57) Abstract :
Disclosed are a method and device for transmitting indication information. The method comprises: determining among one or more codebooks a first codebook used for transmitting a first downlink data stream to a terminal device; determining one or more second codebooks used for transmitting a second downlink data stream; determining codebook indication information used for indicating the first codebook and the one or more second codebooks; and transmitting the codebook indication information to the terminal device. The method and device of embodiments of the present invention for transmitting indication information by transmitting via a network device to the terminal device the codebook indication information used for indicating the first codebook and the one or more second codebooks allow the terminal device to determine codebooks used by all data streams borne on a same time frequency resource and to decode on the basis of these codebooks the first data stream transmitted by the network device to the terminal device thus allowing the network device and the terminal device to transmit downlink data on the basis of the codebooks and to effectively increase the network capacity of a system.

No. of Pages : 166 No. of Claims : 100

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037585 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SUBSTITUTED CYCLIC AMIDES AND THEIR USE AS HERBICIDES

(51) International classification :C07D401/12,C07D409/12,C07D417/04
(31) Priority Document No :62/170129
(32) Priority Date :02/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/035214
Filing Date :01/06/2016
(87) International Publication No :WO 2016/196593
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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5)MITCHELL Glynn
6)MATHEWS Christopher John
7)SCUTT James Nicholas
8)MORRIS James Alan
9)DALLIMORE Johnathan Wesley Paul
10)INGRAM Katharine Mary
11)DESSON Timothy Robert
12)LING Kenneth

(57) Abstract :
Disclosed are compounds of Formula 1 N oxides of the compounds and salts of the compounds and N oxides: wherein R R R R R R Q Q J Y and Y are as defined in the disclosure. Also disclosed are compositions containing the compounds N oxides and salts and methods for controlling undesired vegetation comprising contacting the undesired vegetation or its environment with an effective amount of such a compound N oxide salt or composition.

No. of Pages : 459 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037598 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SYSTEMS AND METHODS FOR LTE OPERATION IN UNLICENSED BANDS

(51) International classification :H04W74/08,H04W72/12
(31) Priority Document No :62/144910
(32) Priority Date :08/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/026442
Filing Date :07/04/2016
(87) International Publication No :WO 2016/164584
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)STERN BERKOWITZ Janet A.
3)SADEGHI Pouriya
4)LEE Moon il
5)RUDOLD Marian

(57) Abstract :
Systems devices and methods are disclosed for determining one or more clear channel assessment occasions. Techniques include performing one or more clear channel assessment (CCA) processes on a channel during the one or more CCA occasions to determine whether the channel is available at the one or more CCA occasion based on the one or more CCA processes. Techniques include sending the UL transmission in one or more UL subframes via the channel on at least a condition that the channel is determined to be available at the one or more CCA occasions. Techniques include performing the one or more CCA processes on the channel during another of the one or more CCA occasions on at least a condition that the channel is determined to be unavailable at a previous CCA occasion.

No. of Pages : 54 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037599 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ELECTRICAL SWITCHING APPARATUS AND SECONDARY DISCONNECT ASSEMBLY WITH CRADLE ASSEMBLY ALIGNMENT AND POSITIONING FEATURES THEREFOR

(51) International classification :H01H71/08,H02B11/127
(31) Priority Document No :14/678012
(32) Priority Date :03/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/023870
Filing Date :24/03/2016
(87) International Publication No :WO 2016/160467
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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2)ZHENG Rong
3)ZHU Hongfeng
4)HE Yaoming

(57) Abstract :
A secondary disconnect assembly (110) is for an electrical switching apparatus (2). The secondary disconnect assembly (110) includes a terminal block assembly (200) comprising a mounting member (202) including a number of protrusions (204 206) and a cradle assembly (300) coupled to the mounting member (202) and being movable among a plurality of positions with respect to the mounting member (202). The cradle assembly (300) includes a cradle housing (4) and an inner cradle (304) movably disposed with the cradle housing (4). The protrusions (204 206) align and guide the inner cradle (304) with respect to the mounting member (202). When the cradle assembly (300) is disposed in a first predetermined one of the positions the number of protrusions (204 206) engage and lock the inner cradle (304) to restrict movement of the inner cradle (304) with respect to the mounting member (202). When the inner cradle (304) is moved toward a second predetermined one of the positions the number of protrusions release the inner cradle (304) to move independently with respect to the mounting member (202).

No. of Pages : 26 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037600 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SOLAR COMPRESSION POWER STATION

(51) International classification :F03G6/04
(31) Priority Document No :AM201500047
(32) Priority Date :15/04/2015
(33) Name of priority country :Armenia
(86) International Application No :PCT/AM2016/000002
Filing Date :14/04/2016
(87) International Publication No :WO 2016/164939
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)HOVAKIMYAN Vardan

(57) Abstract :
Invention relates to the field of solar energy. Power station which has the air stream directional body at least a pair of generator connected with wind turbines tough combined greenhouse to the lower end of the body the external surface of the of which is painted by matt black paint and due to invention it (body) is situated on the slope of the mountain the greenhouse is being realized in the form of body entrance section and the entrance of which is widened due to the height and width toward body. Before the greenhouse the black color material layer is located on the surface of the earth and inside there are full of water reservoirs. The power station additionally has electrical air heaters located along the body heat exchange system and least one horizontal acceleration cell which is toughly connected with the upper end of the body and has a narrowing transverse cross section. At the free narrowing end of the acceleration cell a passing cell is situated at the exit of which a generator fixed to turbine is located. Heat exchange system has a lower radiator which is located at the body entrance section and an upper radiator; located at the acceleration cell entrance section. Lower and upper radiators are connected with each other by pipes located along the body. The objective of the invention is to rise the EC of the power plant.

No. of Pages : 7 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/04/2016

(21) Application No.201611009710 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SWITCH WITH ILLUMINATION WITH THREE SPRINGS FOR AUTO RETURN

(51) International classification	:H01H23/00, H01H23/28
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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Address of Applicant :VILLAGE-NAWADA FATEHPUR, P.O. SIKANDERPUR, BADDA, MANESAR DISTT.-GURGAON, HARYANA-122004 Haryana India
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2)RAMESH BHARDWAJ
3)RAHUL SAHNI
4)HARLEEN SINGH
5)SURENDER KUMAR
6)SURENDER RANA

(57) Abstract :
The present disclosure is directed towards an improved illuminated switch module for vehicles, comprising a knob being movably configured with a casing along a longitudinal axis. The knob is supported by a plurality of peripheral support members for preventing tilting of the knob about the longitudinal axis. The knob comprises an actuating pin for actuating a contact switch longitudinally. The actuating pin comprising a hollow cylindrical passage. The contact switch comprises an illumination device being disposed in the casing, the said contact switch is actuated by the knob in the longitudinal direction. [Fig 2]

No. of Pages : 22 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/04/2016

(21) Application No.201611009711 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PANEL SWITCH WITH PIG TAIL DESIGN

(51) International classification :G06F3/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)PRADEEP KUMAR MORYA
3)RAHUL SAHNI
4)SANDEEP UPPAL
5)YOGESH KUMAR GUPTA

(57) Abstract :
The present disclosure relates to a panel assembly (1) for a vehicle comprising a handle bar (2)a handle panel (3) mounted over the handle bar (1). The handle panel having an open end (3a) and a close end (3b) and a left-hand (4) and a right-hand (6) switch panel mounted on the handle panel (3) wherein the close end of the handle panel (3b) is provided with a curvature (5) to secure the handle bar (1) in it and the open end (3a) of the handle panel (3) having cavities to accommodate a left-hand switch panel (4) and a right-hand switch panel (6) inside the cavities thereby forming a complete panel assembly (1). [Figure 7]

No. of Pages : 24 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037451 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : HUMANIZED SIRPA IL15 KNOCKIN MICE AND METHODS OF USE THEREOF

(51) International classification :A01K67/027,A01K39/00
(31) Priority Document No :62/146938
(32) Priority Date :13/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/027164
Filing Date :12/04/2016
(87) International Publication No :WO 2016/168212
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
in vivo Genetically modified non human animals expressing human SIRPa and human IL 15 from the non human animal genome are provided. Also provided are methods for making non human animals expressing human SIRPa and human IL 15 from the non human animal genome and methods for using non human animals expressing human SIRPa and human IL 15 from the non human animal genome. These animals and methods find many uses in the art including for example in modeling human T cell and/or natural killer (NK) cell development and function in modeling human pathogen infection of human T cells and/or NK cells and in various screens.

No. of Pages : 147 No. of Claims : 67

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037512 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : HIGH STRENGTH COLD ROLLED STEEL SHEET HIGH STRENGTH PLATED STEEL SHEET AND METHOD FOR PRODUCING SAME

(51) International classification :C22C38/38,C21D8/02,C21D9/46
(31) Priority Document No :2015109493
(32) Priority Date :29/05/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/001437
Filing Date :14/03/2016
(87) International Publication No :WO 2016/194272
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)FUNAKAWA Yoshimasa
3)NISHIMURA Yasuhiro
4)NIIYA Masahiro

(57) Abstract :
Provided are a high strength cold rolled steel sheet and a high strength plated steel sheet having both excellent bendability and high strength with a tensile strength (TS) of 980 MPa or higher and methods for producing said steel sheets. Disclosed is a high strength cold rolled steel sheet having a tensile strength of 980 MPa and comprising: a specific component composition; and a specific steel structure wherein for example the area percentage of the ferrite phase is from 30% to 70% inclusive the area percentage of the martensite phase is from 30% to 70% inclusive the average grain size of ferrite grains is 3.5 μm or less the standard deviation of the grain size of the ferrite grains is 1.5 μm or less the average aspect ratio of the ferrite grains is 1.8 or less the average grain size of martensite grains is 3.0 μm or less and the average aspect ratio of the martensite grains is 2.5 or less.

No. of Pages : 47 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037513 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : HOT ROLLED STEEL SHEET FULL HARD COLD ROLLED STEEL SHEET AND METHOD FOR PRODUCING HOT ROLLED STEEL SHEET

(51) International classification :C22C38/00,C21D9/46,C22C38/06
(31) Priority Document No :2015109494
(32) Priority Date :29/05/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/001441
Filing Date :14/03/2016
(87) International Publication No :WO 2016/194273
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)FUNAKAWA Yoshimasa
3)KAWAMURA Kenji

(57) Abstract :
Provided are: a hot rolled steel sheet for producing a full hard cold rolled steel sheet that has high strength and little variation in sheet thickness; a method for producing said hot rolled steel sheet; and a full hard cold rolled steel sheet produced by using said hot rolled steel sheet. This hot rolled steel sheet comprises: a component composition including in mass% from 0.06% to 0.18% C less than 0.3% Si from 1.8% to 3.2% Mn less than or equal to 0.03% P less than or equal to 0.005% S less than or equal to 0.08% Al from 0.0010% to 0.0070% N and Fe and inevitable impurities as the remainder; and a steel structure in which the average aspect ratio of ferrite grains is greater than or equal to 3.0.

No. of Pages : 43 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037603 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ALIGNMENT APPARATUS

(51) International classification :A61B34/20,A61F5/11
(31) Priority Document No :2015901083
(32) Priority Date :25/03/2015
(33) Name of priority country :Australia
(86) International Application No :PCT/AU2016/050220
Filing Date :24/03/2016
(87) International Publication No :WO 2016/149764
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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3)WADLEY David John
4)FORD Martin John

(57) Abstract :
The present invention relates to an apparatus for aligning a sensor relative to at least two anatomical reference points of a patient s anatomy. In one embodiment the apparatus includes: a body having a central axis; a sensor mount positioned relative to the body; at least two arms extending from the body wherein two of said at least two arms are simultaneously and equidistantly moveable relative to the central axis; and at least two aligners connected to the at least two arms for aligning with said at least two anatomical reference points. The apparatus may also include an apparatus sensor. The present invention also relates to a surgical system for monitoring the orientation of a patient s anatomy which includes the apparatus. Furthermore the present invention also relates to a surgical system for guiding a surgical device to an optimal orientation relative to a patient s anatomy wherein the surgical system includes the apparatus. The present invention also relates to: a method of aligning a sensor relative to at least two anatomical reference points of a patient s anatomy and to a method of guiding a surgical device to an optimal orientation relative to a patient s anatomy. In one embodiment the patient s anatomy is the pelvis.

No. of Pages : 28 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037608 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : WET CLUTCH ACTUATION PISTON AND METHOD OF USE

(51) International classification :F16D25/0638
(31) Priority Document No :62/158623
(32) Priority Date :08/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2016/060162
Filing Date :06/05/2016
(87) International Publication No :WO 2016/180723
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)SCHACHT Filip D.

(57) Abstract :
A piston (50) comprising: a shaft side (52) with a first circumferential groove said first circumferential groove (90) bounded by a continuous circumferential seal plateau (88) said seal plateau extending axially outward from said first circumferential groove wherein a planar outboard surface (96) extends radially outboard from said seal plateau; a clutch side (54) having two grooves alternating with two lands (102 108); an inner circumferential surface (56) having a seal groove (62) formed therein; and an outer circumferential surface (58) with a having a seal groove (76) formed therein wherein the sides and surfaces form a ring shape.

No. of Pages : 11 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037609 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : INTERMEDIATE BEARING FOR A DRIVE SHAFT TRAIN

(51) International classification	:F16C33/78,F16C33/80,F16C35/04
(31) Priority Document No	:10 2015 106 696.3
(32) Priority Date	:29/04/2015
(33) Name of priority country	:Germany
(86) International Application No Filing Date	:PCT/EP2016/051585 :26/01/2016
(87) International Publication No	:WO 2016/173729
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
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(57) Abstract :
The invention relates to an intermediate bearing (6) for a drive shaft train of a motor vehicle wherein the intermediate bearing (6) has: an elastic bearing body (11) which has a bore (12) a supporting ring (13) which is arranged in the bore (12) and has a receiving space (14) for receiving an anti friction bearing (15) wherein the receiving space (14) defines a longitudinal axis (X) and two sealing washers (16 17) which are spaced apart axially from one another and have in each case one central opening (18) for receiving a drive component (19 20) wherein the supporting ring (13) is arranged between the two sealing washers (16 17) characterized in that the sealing washers (16 17) have in each case one groove (25) which extends concentrically with respect to the longitudinal axis (X) wherein the supporting ring (13) engages into the two grooves (25) of the sealing washers (16 17).

No. of Pages : 12 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037613 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : IMPROVED CRYOGENIC ENGINE SYSTEM

(51) International classification :F01K25/10,F01K25/06
(31) Priority Document No :1506146.8
(32) Priority Date :10/04/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2016/050995
Filing Date :11/04/2016
(87) International Publication No :WO 2016/162692
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)DEARMAN Peter
2)DEARMAN Michael
3)OLD Don
4)CLARKE Henry
5)ZHAO Difei

(57) Abstract :
The present invention provides a method of operating an engine (14) having one or more cylinders (16) each having a piston (18) within the cylinder (16) and each piston (18) having an expansion stroke and a return stroke and a top dead centre (TDC) position and a bottom dead centre position (BDC) and said engine (14) employing a working fluid (WF) and a heat exchange fluid (HEF) comprising the steps of: introducing the HEF during the return stroke of the engine; introducing the working fluid (WF) during the expansion stroke of the engine; causing the exhaust valve to be opened at or near bottom dead centre of the piston BDC; delivering the HEF to the cylinder (16) after the exhaust valve has been opened; and closing the exhaust valve before TDC such as to allow the working fluid to be compressed by the piston within the cylinder. The invention also provides an engine (14) capable of being operated in accordance with the method.

No. of Pages : 13 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037514 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : CATALYTIC HYDROGENATION OF SUBSTITUTED CYANOPYRIDINES AND PROCESS FOR PREPARING SUBSTITUTED PYRIDYLMETHYLBENZAMIDES

(51) International classification :C07D213/61,C07D213/40
(31) Priority Document No :15165831.7
(32) Priority Date :30/04/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/059215
Filing Date :26/04/2016
(87) International Publication No :WO 2016/173998
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
The present invention relates to novel processes for the preparation of substituted pyridyl methylbenzamide derivatives of formula (I) in particular 2 6 dichloro N {[3 chloro 5 (trifluoromethyl) 2 pyridyl]methyl}benzamide (Fluopicolide) and for the catalytic hydrogenation of substituted cyanopyridine derivatives in particular 3 chloro 2 cyano 5 trifluoromethylpyridine [= Py CN] to the corresponding substituted 2 methylaminopyridine derivatives in particular 2 aminomethyl 3 chloro 5 trifluoromethylpyridine [= Py methylamine] or salts thereof in the presence of metal catalysts such as in particular palladium catalysts catalytic modifiers and acids.

No. of Pages : 52 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017
(21) Application No.201717037515 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : TONER CARTRIDGE CONTAINER AND SEAL

(51) International classification :G03G15/08,G03G15/00
(31) Priority Document No :62/150005
(32) Priority Date :20/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/027091
Filing Date :12/04/2016
(87) International Publication No :WO 2016/171954
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)MITCHELL Thomas Mathew
4)LAIL Brian Edward
5)DANIELS Stephen Joseph
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(57) Abstract :
A method of remanufacturing an imaging cartridge comprising a toner hopper having a toner bag and not having a seal port the method comprising forming a seal port in the toner hopper; disposing a replacement toner container in the toner hopper the replacement toner container including a removable seal having a seal tail; and inserting a portion of the seal tail through the seal port. A method of remanufacturing an imaging cartridge comprising a toner hopper having a toner bag and not having a seal port the method comprising providing a replacement toner hopper having a seal port; removing the toner hopper not having the seal port from the imaging cartridge; and attaching the replacement toner hopper having a seal port to the imaging cartridge.

No. of Pages : 10 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037516 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : HIGH CR AUSTENITIC STAINLESS STEEL

(51) International classification :C22C38/00,C22C38/60
(31) Priority Document No :2015120592
(32) Priority Date :15/06/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/066696
Filing Date :03/06/2016
(87) International Publication No :WO 2016/204005
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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5)ONO Toshihide
6)TANAKA Katsuki
7)HAMAGUCHI Tomoaki
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(57) Abstract :
A high Cr austenitic stainless steel the component composition of which contains in terms of mass% 0.03 0.12% C 0.10 1.00% Si 0.10 3.00% Mn 0.030% or less of P 0.020% or less of S 21.50 28.00% Cr more than 26.00 to 35.00% of Ni more than 2.00 to 5.00% of W 0.80% or less of Co 0.01 0.70% V 0.15 1.00% Nb 0.001 0.040% Al 0.0001 0.0100% B 0.010 0.400% N 0.001 0.200% Zr 0.001 0.200% Nd 0.001 0.200% Ta 0.020 0.200% of the combination of Ta + 0.8Nd + 0.5Zr 0.025% or less of the combination of Ti + Sn + Sb + Pb + As + Bi and 0.0090% or less of O the remainder being Fe and unavoidable impurities.

No. of Pages : 29 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037523 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : NEW SUBSTITUTED TRIAZOLOPYRIMIDINES AS ANTI MALARIAL AGENTS

(51) International classification :C07D487/04,A61K31/519,A61P33/06
(31) Priority Document No :62/138544
(32) Priority Date :26/03/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2016/051670
Filing Date :24/03/2016
(87) International Publication No :WO 2016/151521
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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4)MATTHEWS David
5)WATERSON David

(57) Abstract :
The present invention is related to a use of triazolopyrimidine derivatives in the manufacture of a medicament for preventing or treating malaria. Specifically the present invention is related to triazolopyrimidine derivatives useful for the preparation of a pharmaceutical formulation for the inhibition of malaria parasite proliferation.

No. of Pages : 27 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037525 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : CLOTH TAPE AND FIBER PRODUCT

(51) International classification :D04B21/00,A41D13/00,D03D1/00
(31) Priority Document No :2016031814
(32) Priority Date :23/02/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/002305
Filing Date :24/01/2017
(87) International Publication No :WO 2017/145609
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
The problem addressed by the present invention is to provide a cloth tape and fiber product having flame resistance. The solution is a cloth tape formed from organic fiber and has an afterflame time of 2.0 seconds or less in combustibility measurements as provided for in JIS L1091 1999 Method A 4 (12 second heating method).

No. of Pages : 36 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037766 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ASSEMBLY METHOD FOR A SHAPE MEMORY ALLOY ACTUATOR ARRANGEMENT

(51) International classification :F03G7/06,G02B7/08,G03B3/10
(31) Priority Document No :1508968.3
(32) Priority Date :26/05/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2016/051527
Filing Date :26/05/2016
(87) International Publication No :WO 2016/189314
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(57) Abstract :
An SMA actuator arrangement is assembled using a strut element shaped to comprise a sacrificial strut body and crimp tabs held apart by the sacrificial strut body. A SMA wire is laid across the crimp tabs which are folded and pressed to form crimps holding the SMA wire. The crimps are then attached to static and moving parts after which the sacrificial strut body is removed. The method allows the crimping to be performed without hindrance from the static and moving parts the sacrificial strut body holding the relative locations of the crimps prior to attachment.

No. of Pages : 10 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037767 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : AN APERIODIC MOIR‰ SECURITY ELEMENT AND METHOD FOR PRODUCTION THEREOF

(51) International classification :B42D25/342,B42D25/29,B41M3/14
(31) Priority Document No :2015100385
(32) Priority Date :26/03/2015
(33) Name of priority country :Australia
(86) International Application No :PCT/AU2016/050215
Filing Date :24/03/2016
(87) International Publication No :WO 2016/149760
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)POWER Gary Fairless

(57) Abstract :
A moir magnification device for authenticating security articles the moir magnification device comprising: an array of micro focusing elements; and an array of micro images; wherein the array of micro focusing elements and the array of micro images are correspondingly aperiodic such that the micro focusing elements generate moir magnifications of the micro image when viewing the device at predetermined viewing angles. A device such as this raises the complexity and difficulty of the task facing would be counterfeiters. The use of an aperiodic micro focusing element array and micro image array is not immediately apparent as the moir magnifications observed by the viewer appear the same as that of a regular device with periodic arrays. In this way the aperiodic aspect of the design remains covert until the moir device is more closely and deliberately analysed.

No. of Pages : 15 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037770 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : HAIR CONDITIONING COMPOSITION COMPRISING TWO CATIONIC SURFACTANTS AND BENEFIT MATERIAL SUCH AS SALICYLIC ACID AND 2 HEXYL 1 DECANOL

(51) International classification :A61K8/36,A61K8/368,A61K8/46
(31) Priority Document No :62/143816
(32) Priority Date :07/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/025827
Filing Date :04/04/2016
(87) International Publication No :WO 2016/164291
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(57) Abstract :
Disclosed is a hair conditioning composition comprising by weight: from about 1.0% to about 10% of a cationic surfactant being a combination of a mono long alkyl amine and a mono long alkyl quaternized ammonium salt; from about 2.5% to about 30% of a high melting point fatty compound; an aqueous carrier; and from about 0.15% to about 20% of a benefit material such as salicylic acid and 2 hexyl 1 decanol. The composition of the present invention provides improved softness to hair.

No. of Pages : 27 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037772 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : THERMOPLASTIC ELASTOMER COMPOSITION AND METHOD FOR PRODUCING SAME

(51) International classification :C08L23/00,C08J3/24,C08L23/08
(31) Priority Document No :2015069154
(32) Priority Date :30/03/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/059206
Filing Date :23/03/2016
(87) International Publication No :WO 2016/158612
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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5)MOCHIZUKI Hideki

(57) Abstract :
The present invention is a thermoplastic elastomer composition which is obtained by dynamically crosslinking an ethylene/a olefin/non conjugated polyene copolymer (A) a polyolefin resin (B) 1 200 parts by mass of a softening agent (C) per 100 parts by mass of the total of the copolymer (A) and the resin (B) and a crosslinking agent (D) with use of a batch mixer under conditions satisfying the following conditions (1) (4). (1) 50 = P1 = 300 (In this connection P1 is defined by formula (i). P1 = ave. — Log(t1) (i) (In formula (i) t1 represents the retention time (sec) after the introduction of the crosslinking agent (D) and ave. represents the average rate (sec) of the shear rates at t1.)) (2) 900 = P2 = 1450 (In this connection P2 is defined by formula (ii). P2 = (Tave. + 273) — Log(t1) (ii) (In formula (ii) Tave. represents the average resin temperature (°C) after the introduction of the crosslinking agent (D) and t1 represents the retention time (sec) after the introduction of the crosslinking agent (D).)) (3) 2.5 = P3 = 1.5 (In this connection P3 is defined by formula (iii). P3 = Log(t1/t2) (iii) (In formula (iii) t1 represents the retention time (sec) after the introduction of the crosslinking agent (D) and t2 represents the time (sec) necessary for the residual amount of the crosslinking agent (D) to be 1 ppm or less of the introduced amount thereof at the average resin temperature Tave. after the introduction of the crosslinking agent (D).)) (4) The crosslinking agent (D) is introduced into a batch mixer after the introduction of the ethylene/a olefin/non conjugated polyene copolymer (A) the polyolefin resin (B) and the softening agent (C). A thermoplastic elastomer composition according to the present invention is able to produce a molded body that has excellent appearance and excellent mechanical properties such as rubber elasticity while being capable of increasing the melt density and the extrusion amount thereby improving the productivity.

No. of Pages : 38 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037526 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : CLAMPING ASSEMBLY FOR A REACTOR SYSTEM

(51) International classification :B01J3/03,B01J3/04
(31) Priority Document No :14/709856
(32) Priority Date :12/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/032071
Filing Date :12/05/2016
(87) International Publication No :WO 2016/183308
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)FERRY Lee William
3)GUPTA Puneet
4)BHUSARAPU Satish
5)SCHRENKER Richard G.

(57) Abstract :
Clamping assemblies for sealing an annular chamber and reaction chamber of a reactor system are disclosed. The clamping assemblies may include actuators that are symmetrically arranged in two or more independently controllable groups of actuators.

No. of Pages : 15 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037527 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SYSTEM AND METHOD FOR QUERYING DATA SOURCES

(51) International classification :G06F17/30
(31) Priority Document No :62/138450
(32) Priority Date :26/03/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2016/050351
Filing Date :24/03/2016
(87) International Publication No :WO 2016/149834
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)KHUONG Sophal
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(57) Abstract :
There is described a method and system for obtaining results from one or more data sources without the need to extract transform and load the data into a database prior to performing a query. The data may retain its original format and remain in its initial location and selective access to the data is provided using dynamically generated query statements. Multiple data sources may be accessed concurrently each data source having its own format for stored data. Query statements are generated to obtain data (query results) from the various data sources by defining data sources target fields and parameters to be used for a given query. The statements comprise predefined operations that are applied recursively in order to transform (and sometimes aggregate) the data from the data sources into query results. Query statements and query results may be saved for later use.

No. of Pages : 21 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037528 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : AN ENERGY RESOURCE NETWORK

(51) International classification	:G06Q20/38,G06Q30/02,G06Q30/06
(31) Priority Document No	:1504946.3
(32) Priority Date	:24/03/2015
(33) Name of priority country	:U.K.
(86) International Application No Filing Date	:PCT/GB2016/050798 :22/03/2016
(87) International Publication No	:WO 2016/151316
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)WINAND Henri
2)MURRAY John Joseph

(57) Abstract :
An energy resource network (100) comprising: a plurality of energy resources (102 104) each capable of delivering a quantum of energy; and a plurality of energy consuming devices (106 108) each capable of accepting a quantum of energy. Each energy resource (102 104) is associated with an energy resource processor (110 112) which is configured to issue one or more offer messages in respect of a quantum of energy available for supply from the energy resource (102 104). Each energy consuming device (106 108) is associated with an energy consuming processor (114 116) that is configured to receive one or more offer messages in respect of a transaction for receiving a quantum of energy from one of the energy resources (102 104). The energy resource processor (110 112) and / or the energy consuming processor (114 116) being configured to issue a cryptographically secured transaction record of the transaction for inclusion within a publicly available distributed ledger.

No. of Pages : 25 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037535 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : NANOBUBBLE AND HYDROXYL RADICAL GENERATOR AND SYSTEM FOR PROCESSING POLLUTED WATER WITHOUT CHEMICALS USING SAME

(51) International classification :C02F1/72,C02F1/76,C02F1/78
(31) Priority Document No :1020150048615
(32) Priority Date :06/04/2015
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2015/004764
Filing Date :12/05/2015
(87) International Publication No :WO 2016/163583
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)KIM Dong Sik

(57) Abstract :
The present invention relates to a nanobubble and hydroxyl radical generator and more particularly to a system for processing polluted water without chemicals comprising: an air supply unit; an inlet pipe connected to the air supply unit for introducing a fluid; the nanobubble and hydroxyl radical generator comprising a pump connected to the inlet pipe a drive motor connected to the pump rotary blades connected to the drive shaft of the drive motor and fixed blades connected to the inner wall of the pump and disposed between the rotary blades; and a discharge pipe connected to the nanobubble and hydroxyl radical generator for discharging a nanobubble generated fluid wherein the circumferential surface of the rotary blades or the fixed blades or both is formed to be inclined in one direction. As such the present invention provides a nanobubble and hydroxyl radical generator capable of further enhancing a dissolution rate in such a manner that the circumferential surface of each blade is inclined to induce a disturbance phenomenon of air and a fluid thereby accelerating micronization and mixing of air and a fluid.

No. of Pages : 20 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037773 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : RESIN COMPOSITION AND USE OF SAME

(51) International classification :C08L23/16,C08K3/04,C08K3/22
(31) Priority Document No :2015072198
(32) Priority Date :31/03/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/059364
Filing Date :24/03/2016
(87) International Publication No :WO 2016/158661
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)KIKUCHI Yoshiharu
3)ARINO Mitsunao
4)HOSOYA Mikio
5)SHISHIDO Keisuke

(57) Abstract :
This resin composition comprises 100 parts by mass of a specific (A) ethylene a olefin non conjugated polyene copolymer and 0.1 to 5 parts by mass of a specific (B) organic peroxide. The copolymer (A) has a constitutional unit derived from ethylene (a1) an a olefin (a2) having 3 to 20 carbon atoms and a non conjugated polyene (a3) having within the molecule a total of at least two substructures selected from the group consisting of general formulas (I) and (II). This resin composition has excellent crosslinking characteristics. This resin composition and this crosslinked molded article can be used without limitation in a variety of applications which are known as applications for rubber compositions and can suitably be used in interior and exterior automobile parts applications requiring heat resistance and the like.

No. of Pages : 190 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037774 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHODS FOR THE PRODUCTION OF POTASSIUM SULPHATE FROM POTASSIUM CONTAINING ORES AT HIGH AMBIENT TEMPERATURES

(51) International classification :C01D5/10
(31) Priority Document No :20150571
(32) Priority Date :08/05/2015
(33) Name of priority country :Norway
(86) International Application No :PCT/EP2016/059952
Filing Date :04/05/2016
(87) International Publication No :WO 2016/180692
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)CHASTAIN Richard W.
2)BUCKHURST Ingrid T.
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(57) Abstract :
There are provided methods for the production of potassium sulphate. The methods comprise contacting an aqueous potassium and sulphate containing composition with magnesium chloride (MgCI) thereby obtaining a composition comprising kainite; optionally concentrating the kainite from the composition; reacting the kainite with magnesium sulphate (MgSO) and potassium sulphate (KSO) so as to convert the kainite into leonite (KSO.MgSO.4HO); optionally contacting the leonite with water to remove excess MgSO; and contacting the leonite with water so as to leach the MgSO contained in the leonite and to at least substantially selectively precipitate potassium sulphate (KSO). The method according to the invention can be operated at higher temperatures in particular at temperatures above 35 °C and does not require a cooling step at 20 to 25 °C. The method produces potassium sulphate with a low amount of chloride.

No. of Pages : 20 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037781 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : STRAW FOR PRESERVING A PRESET DOSE OF A LIQUID BASED SUBSTANCE

(51) International classification :A61D19/02,G01K11/12
(31) Priority Document No :1553536
(32) Priority Date :20/04/2015
(33) Name of priority country :France
(86) International Application No :PCT/FR2016/050905
Filing Date :19/04/2016
(87) International Publication No :WO 2016/170263
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)SCHMITT Eric
2)GORGES Jean Charles

(57) Abstract :
The straw includes a tube (11) extending between a first end (16) and a second end (17) and includes a gas permeable but liquid impermeable plug (12). The tube (11) is made of a thermochromic material that reversibly changes colour at a preset temperature threshold by virtue of which colour change the tube (11) has a first visual appearance if the temperature thereof is below said preset threshold and a second visual appearance that is different from the first visual appearance if the temperature thereof is above said preset threshold.

No. of Pages : 19 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037782 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : HIGHLY REACTIVE METAL HYDRIDES PROCESS FOR THEIR PREPARATION AND USE

(51) International classification :C01B6/04,C07F5/02,C07F5/06
(31) Priority Document No :102015206045.4
(32) Priority Date :02/04/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2016/056535
Filing Date :24/03/2016
(87) International Publication No :WO 2016/156195
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)KURTH Christopher
3)SCHERER Stefan
4)RITTMEYER Peter
5)STOLL Armin
6)LISCHKA Uwe

(57) Abstract :
The invention relates to powdery highly reactive alkaline and alkaline earth hydride compounds and mixtures with elements of the third main group of the periodic table of elements (PTE) and to the preparation thereof by reacting alkaline or alkaline earth metals in the presence of finely divided metals or compounds of the third main group of the PTE the latter having one or more hydride ligands or being converted in situ under the prevailing reaction conditions i.e. in the presence of hydrogen gas or another H source to hydride species. The invention also relates to the use thereof for the preparation of complex hydrides and organometallic compounds.

No. of Pages : 23 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/04/2016

(21) Application No.201611013042 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : INBUILT ELECTRONICALLY CONTROLLED COVER FOR A FOUR WHEEL VEHICLE AND ITS MECHANISM THEREOF

(51) International classification :B60K6/12
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)DR. KAUR INDERPREET
2)VERMA KARAN
3)GULBAHAR
4)SHARMA KAMAL

(57) Abstract :
The present invention is an electronically operated cover for a vehicle in which a modification in the design of the luggage carrier (1) is done. Modified luggage carrier (1) contains multiple cylindrical rollers that are located inside it. Each cylinder (5, 6, 7, 8, 9, 10, 11 and 12) contains a roll of fabric (2) for covering the vehicle. Different stepper motors (13, 14, 15, 16 and 17) are fixed with each cylinder to rotate it that roll and unroll the covering fabric from cylinders on click of button provided on an electronic remote which has a transmitter which sends signals to receiver fitted in a control unit which also has a microcontroller. Every roll of fabric (2) contains a metal strip (18) at start of the roll that sticks with the bottom of the vehicle as reed switch/magnets (4) are provided on the bottom periphery of the vehicle.

No. of Pages : 25 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/04/2016

(21) Application No.201611013315 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : NANO FERRITE SUBSTRATE AND ITS PROCESS OF PRODUCTION FOR USE IN LARGE BANDWIDTH MINIATURIZED ANTENNA

(51) International classification :A01G7/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)THAKUR ATUL
2)THAKUR PREETI

(57) Abstract :
Nickel zinc cobalt indium ferrite of nominal composition Ni0.5Zn0.3Co0.2In0.1Fe1.9O4 is synthesized by a co-precipitation technique. Ferromagnetic resonance frequency reduces from 900 MHz to 700 MHz and matching value of relative permeability (5.5) and relative permittivity (5.3) are obtained up to 700 MHz at a sintering temperature of 900°C. The substrate with measured properties is simulated in High frequency structural simulator (HFSS). 60% miniaturization in size, 15% reduction in reflection losses, higher -10 dB reflection loss (RL) bandwidth (8-12%) and higher voltage standing wave ratio (VSWR) bandwidth (9-13%) at resonant frequency of 450 MHz are achieved with synthesized material. Hence, the excellent electromagnetic properties obtained in present investigation for the suitably sintered Ni0.5Zn0.3Co0.2In0.1Fe1.9O4 ferrite shows a lot of potential for miniaturization of microstrip antenna with an improved performance.

No. of Pages : 28 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2017

(21) Application No.201717038063 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : IMIDAZOPYRAZINONES AS PDE1 INHIBITORS

(51) International classification :C07D487/04,A61K31/4985,A61P25/00
(31) Priority Document No :PA 2015 00261
(32) Priority Date :30/04/2015
(33) Name of priority country :Denmark
(86) International Application No :PCT/EP2016/059583
Filing Date :29/04/2016
(87) International Publication No :WO 2016/174188
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)RASMUSSEN Lars Kyhn
3)LANGG…RD Morten
4)JESSING Mikkel
5)VITAL Paulo Jorge Vieira
6)JUHL Karsten

(57) Abstract :
The present invention provides imidazopyrazinones as PDE1 inhibitors and their use as a medicament in particular for the treatment of neurodegenerative disorders and psychiatric disorders.

No. of Pages : 146 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2017

(21) Application No.201717038065 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD FOR PREPARING HIGH PERFORMANCE TREAD RUBBER BY FILLER SILYLATION REACTION CATALYZED IN SITU BY IONIC LIQUID

(51) International classification :C08L7/00,C08L9/06,C08L9/00
(31) Priority Document No :201510193681.2
(32) Priority Date :22/04/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/079803
Filing Date :20/04/2016
(87) International Publication No :WO 2016/169484
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)TANG Zhenghai
4)ZHANG Liqun
5)LU Yonglai
6)SUN Minli
7)ZHANG Qinghua
8)ZHANG Ning
9)DONG Dong

(57) Abstract :
Disclosed is a method for preparing a high performance tread rubber by a filler silylation reaction catalyzed in situ by an ionic liquid. The method comprises: sequentially adding a rubber a filler a silane and an ionic liquid to an open mill or a mixer and mixing to obtain a mixed rubber; performing high temperature re milling on the mixed rubber; adding at room temperature a vulcanization packet and an aging inhibitor to the re milled mixed rubber; vulcanizing the mixed rubber and obtaining a vulcanized rubber. The method of the present invention uses the ionic liquid as a catalyst to silylate the filler surface thus effectively facilitating dispersion of white carbon black etc. in the rubber and improving rubber filler interface performance greatly reducing silane usage greatly improving tread rubber material dynamic performance reducing rolling resistance and dynamic heat generation having a simple process without adding an additional processing device and step and having favorable prospects in the preparation of high performance tires.

No. of Pages : 7 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037618 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHODS AND SYSTEMS FOR VERIFYING USERS BY TELEPHONE NUMBERS

(51) International classification :H04M3/42,H04W8/26
(31) Priority Document No :62/138145
(32) Priority Date :25/03/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/SE2015/051330
Filing Date :12/12/2015
(87) International Publication No :WO 2016/153407
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)FORSMAN Daniel
2)FRANSSON Bjrn
3)RIKAKIS Michail

(57) Abstract :
A verification process is executed between a software controlled communication device (10) and a software controlled server (14) in a network to verify that an unconfirmed telephone number (MY) which is transmitted to the server (14) corresponds to an actual subscription telephone number and that this subscription telephone number is assigned to the communication device (10). In the verification process the server (14) initiates a verification call to the unconfirmed telephone number (MY) from a selected calling telephone number (CALLER). The communication device (10) intercepts the verification call identifies the originating telephone number (ORIGIN) and transmits the originating telephone number (ORIGIN) to the server (14). The verification succeeds if the originating telephone number (ORIGIN) matches the calling telephone number (CALLER).

No. of Pages : 20 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037640 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : IGF 1R ANTIBODY AND ITS USE FOR THE DIAGNOSIS OF CANCER

(51) International classification	:C07K16/28,G01N33/574,G01N33/68
(31) Priority Document No	:15305644.5
(32) Priority Date	:27/04/2015
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2016/059336 :27/04/2016
(87) International Publication No	:WO 2016/174051
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)JOUHANNEAUD Alexandra

(57) Abstract :
The present disclosure relates to a novel antibody in particular a monoclonal antibody capable of binding to IGF 1R as well as the amino and nucleic acid sequences coding for said antibody.

No. of Pages : 41 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037643 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : A BUILDING ELEMENT

(51) International classification :E04B2/00,E04B1/12,E04B1/00
(31) Priority Document No :2015901518
(32) Priority Date :29/04/2015
(33) Name of priority country :Australia
(86) International Application No :PCT/AU2016/000092
Filing Date :18/03/2016
(87) International Publication No :WO 2016/172756
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)DINCEL Burak

(57) Abstract :
An elongated building element (14) having a pair of longitudinally extending generally parallel co extensive side walls (15) joined by transverse webs (16). The walls (15) and webs (16) enclose a longitudinally extending space (30) within which there is located a tube (31). The tube (31) is connected to the walls (15) and webs (16) by flanges (33). The tube (31) provides a space (33) with the spaces (30 33) being intended to be filled with concrete. The building element (14) is intended to be attached to light elements (14) to form a wall.

No. of Pages : 9 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037644 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : MICROBIAL COMPOSITIONS AND METHODS FOR DENITRIFICATION AT HIGH DISSOLVED OXYGEN LEVELS

(51) International classification :C12N1/20,C02F3/30,C02F3/34
(31) Priority Document No :62/157327
(32) Priority Date :05/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/030979
Filing Date :05/05/2016
(87) International Publication No :WO 2016/179390
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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3)ROBERTS Joseph

(57) Abstract :
The present invention provides compositions and methods for denitrification.

No. of Pages : 18 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037645 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : HIGH RESOLUTION SYSTEMS KITS APPARATUS AND METHODS FOR HIGH THROUGHPUT MICROBIOLOGY APPLICATIONS

(51) International classification :B01L3/00,C12Q1/68
(31) Priority Document No :62/150677
(32) Priority Date :21/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/028681
Filing Date :21/04/2016
(87) International Publication No :WO 2016/172362
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)SEELY Michael W.
3)STOCKER Roman
4)ZENGLER Karsten
5)CONRADSON Scott
6)CHRISTEY Peter
7)HALLOCK Alexander

(57) Abstract :
A microfabricated device defining a high density array of microwells is described for cultivating cells from a sample. A series of unique tags may be disposed in the microwells to identify one or more species of cells and locate the particular microwells in which each species was cultivated. A unique tag may be a nucleic acid molecule including a target specific nucleotide sequence for annealing to a target nucleic acid fragment and a location specific nucleotide sequence predetermined to identify one or more microwells. The device may be incubated to grow a plurality of cells which may be split into an analysis portion and a reserve portion. High throughput methods are described for cultivating screening and determining a relative and/or absolute abundance of cells from a sample.

No. of Pages : 75 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037649 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : APPARATUS AND METHOD FOR THE PHOTOTHERMAL QUALITY CONTROL OF PARTICLE SIZE AND LAYER ADHESION OF A COMPONENT

(51) International classification :G01N25/18
(31) Priority Document No :10 2015 207 551.6
(32) Priority Date :24/04/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2016/054880
Filing Date :08/03/2016
(87) International Publication No :WO 2016/169690
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)STRAEHLE Jochen
2)BUECHNER Katrin
3)KROEBER Volker

(57) Abstract :
Method (18 19 20 21) for the quality control of a component (4 4a 4b 4c 4d i j k) wherein the component (4 4a 4b 4c 4d i j k) is heated (19) by an energy source (5 5c 5d) the intensity of which is periodically modulated (18) at at least one frequency and wherein the amplitude A and/or the phase f of a heat wave (81) which is modulated at the same frequency and is emitted by the component (4 4a 4b 4c 4d i j k) is/are recorded (20) wherein the particle size d of the material from which the component (4 4a 4b 4c 4d i j k) is constructed and/or the adhesion properties F of a functional layer (42) applied to the component (4 4a 4b 4c 4d i j k) are evaluated (21) from the amplitude A and/or from the phase f. Apparatus (100) for carrying out the method.

No. of Pages : 16 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037536 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : COMBINATIONS OF AMISULPRIDE AND ANOTHER ANTI EMETIC FOR TREATING NAUSEA AND VOMITING

(51) International classification :A61K9/00,A61K31/40,A61K31/4178
(31) Priority Document No :1506116.1
(32) Priority Date :10/04/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2016/050998
Filing Date :11/04/2016
(87) International Publication No :WO 2016/162695
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)GILBERT Julian Clive
2)GRISTWOOD Robert William
3)FOX Gabriel

(57) Abstract :
A kit comprises at least one non IV injectable unit dose of amisulpride and at least one dose of an acute phase anti emetic for simultaneous separate or sequential use in the treatment or prevention of chemotherapy or radiotherapy induced nausea and/or vomiting in a subject wherein the subject is receiving or has received a chemotherapy or radiotherapy treatment regimen and wherein the dosage regimen comprises the administration of the or each acute phase anti emetic on day 1 day 1 being the same day that a chemotherapy or radiotherapy is administered and the administration of the or at least one of the non IV injectable unit doses of amisulpride on day 2. Also provided is a kit comprising at least one non IV injectable unit dose of amisulpride and at least one unit dose of IV amisulpride. Further provided is a non IV injectable formulation of amisulpride for use in the treatment or prevention of delayed phase chemotherapy or radiotherapy induced nausea and/or vomiting in a subject.

No. of Pages : 23 No. of Claims : 45

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037537 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : BISPECIFIC ANTIBODY CONSTRUCTS FOR CDH3 AND CD3

(51) International classification :C07K16/28,C07K16/46
(31) Priority Document No :15164154.5
(32) Priority Date :17/04/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/058482
Filing Date :18/04/2016
(87) International Publication No :WO 2016/166360
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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3)ZIERZ Ruprecht
4)KUFER, Peter
5)RAUM Tobias
6)RAU Doris
7)ANLAHR Jonas
8)LUTTERBSE Ralf
9)NAHRWOLD Lisa
10)DAHLHOFF Christoph
11)BLMEL Claudia
12)HOFFMANN Patrick

(57) Abstract :
The present invention relates to a bispecific antibody construct comprising a first human binding domain which binds to human CDH3 on the surface of a target cell and a second binding domain which binds to human CDS on the surface of a T cell. Moreover the invention provides a polynucleotide encoding the antibody construct a vector comprising said polynucleotide and a host cell transformed or transiected with said polynucleotide or vector. Furthermore the invention provides a process for the production of the antibody construct of the invention a medical use of said antibody construct and a kit comprising said antibody construct.

No. of Pages : 233 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037539 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : INTELLIGENT PET MONITORING SYSTEM

(51) International classification :A01K29/00,A01K27/00
(31) Priority Document No :14/690512
(32) Priority Date :20/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/026066
Filing Date :05/04/2016
(87) International Publication No :WO 2016/171896
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)ROBBINS Thomas

(57) Abstract :
Provided are mechanisms and processes for more effectively monitoring pets to enhance caregiving and pet development. In one example a system includes a pet monitoring device having a plurality of sensors that gather measurement data such as motion and arousal from a pet. The system also includes a monitoring hub that receives the measurement data from the pet monitoring device and analyzes the measurement data in relation to a learning receptivity model obtained from a remote platform. The measurement data is analyzed to predict a time and duration when a pet associated with the pet monitoring device will be receptive to learning.

No. of Pages : 31 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037540 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : INFANT CAREGIVER SYSTEM AND INFANT DATA AGGREGATION SYSTEM AND AGGREGATING OBSERVATIONS RELATED TO INFANT DATA AND AGGREGATING INFERENCES RELATED TO INFANT DATA

(51) International classification :A61B5/00,A61B5/11,A61N1/37
(31) Priority Document No :14/679004
(32) Priority Date :05/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/026068
Filing Date :05/04/2016
(87) International Publication No :WO 2016/164376
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
Provided are mechanisms and processes for an infant caregiver system. The system includes a platform interface platform storage and a platform processor. The platform interface is configured to receive measurement data transmitted from an infant monitoring system. The infant monitoring system includes an infant monitoring device having a plurality of sensors that gather the measurement data corresponding to activity associated with a first infant. Platform storage is configured to store learning content and infant de identified data. An infant profile is associated with the first infant and infant de identified data is associated with a plurality of infants. The platform processor is configured to provide a platform portal. The platform portal serves as a user interface through which a caregiver associated with the first infant can access information from platform storage.

No. of Pages : 64 No. of Claims : 80

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017
(21) Application No.201717037541 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : INTELLIGENT INFANT MONITORING SYSTEM AND INFANT MONITORING HUB AND INFANT LEARNING RECEPTIVITY DETECTION SYSTEM

(51) International classification :G09B19/00
(31) Priority Document No :14/679006
(32) Priority Date :05/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/026062
Filing Date :05/04/2016
(87) International Publication No :WO 2016/164374
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
Provided are mechanisms and processes for more effectively monitoring infants to enhance caregiving and infant development. A system may include a wearable infant monitoring device transmission interface and monitoring hub. The wearable infant monitoring device includes sensors that detect activity and position of an infant. The transmission interface transmits measurement data associated with the activity and position of the infant. The monitoring hub receives the measurement data and includes a processor configured to determine the infant s receptivity to learning. Learning materials are then provided to a caregiver through a display interface based on the infant s receptivity to learning.

No. of Pages : 59 No. of Claims : 60

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037544 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : WIND TURBINE CONVERTER CONTROL

(51) International classification :H02P27/00,H02P29/02,H02M7/493
(31) Priority Document No :PA 2015 70222
(32) Priority Date :16/04/2015
(33) Name of priority country :Denmark
(86) International Application No :PCT/DK2016/050102
Filing Date :11/04/2016
(87) International Publication No :WO 2016/165719
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)NIELSEN John Godsk
2)ANDERSEN S¸ren
3)HELLE Lars
4)DOAN Duy Duc

(57) Abstract :
A method of controlling a full scale converter system in which both the grid side inverter unit and the generator side inverter unit have a series connection of parallel inverters and form a generator side and grid side voltage center point at a voltage level between the inverters connected in series. The voltage center points are electrically connected by a center line conductor. Conversion operation with a de rated maximum active power output is performed in response to at least one of (i) the grid side inverter and (ii) the generator side inverter of the first converter string being disabled by disabling active power production of at least one of (i) the grid side inverter and (ii) the generator side inverter of the second converter string or correspondingly reducing active power production of the second converter string thereby preventing a compensation current along the center line conductor.

No. of Pages : 31 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037545 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DEVICE AND APPARATUS FOR COLLECTING MICROBIAL GROWTH FROM A SEMI SOLID SURFACE

(51) International classification :G01N1/06,G01N23/225,G01N1/18
(31) Priority Document No :62/144574
(32) Priority Date :08/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/026625
Filing Date :08/04/2016
(87) International Publication No :WO 2016/164712
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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5)LANGHOFF Brian Reuben
6)PATEL Vikram
7)TUCKER Sean
8)YEH Ming hsiung
9)BRASCH Michael A.

(57) Abstract :
A device for collecting a biological sample from a semi solid surface. The device has a shaft with a proximate end and a distal end and a tip integrated with the shaft at the proximate end. The tip has a surface adapted to collect microorganisms thereon or release microorganism from or both wherein the adapted surface comprises at least one feature of a recess or extension to increase surface area of the tip and collect microorganisms thereon. Examples of such features include microfeatures with dimensions of about 1000 µm or less. Other examples include a pipette tip.

No. of Pages : 15 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037546 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ORGANIC SULFUR MATERIAL AND METHOD FOR PRODUCING SAME

(51) International classification :C01B31/26,C07C319/08,C07C321/12
(31) Priority Document No :2015073622
(32) Priority Date :31/03/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/060615
Filing Date :31/03/2016
(87) International Publication No :WO 2016/159212
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)KOJIMA Toshikatsu
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4)ANDO Hisanori

(57) Abstract :
An organic sulfur material which contains carbon hydrogen oxygen and sulfur as constituting elements and shows peaks at around 482 cm 846 cm 1066 cm 1279 cm and 1442 cm in a Raman spectrum detected by the Raman spectroscopy with the most intense peak being at around 1442 cm. Thus an organic sulfur material having a large capacity and a high heat tolerance can be provided even with the use of a liquid organic material.

No. of Pages : 53 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037547 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHODS FOR CONVERSION OF CO2 INTO SYNGAS

(51) International classification :B01J23/34,B01J23/72
(31) Priority Document No :62/154308
(32) Priority Date :29/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/028594
Filing Date :21/04/2016
(87) International Publication No :WO 2016/176105
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)SHAIKH Shahid
3)REA Clark

(57) Abstract :
Methods of preparing syngas are provided. An exemplary method can include hydrogenation of carbon dioxide (CO) via a reverse water gas shift (RWGS) reaction. Catalysts that include Cu and/or Mn can be used and the RWGS reaction can be conducted at a temperature greater than 600 °C. The syngas produced from hydrogenation of CO can be used to generate light olefins via a Fischer Tropsch synthesis (FT) reaction.

No. of Pages : 21 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037795 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : CONSTRUCTS TARGETING AFP PEPTIDE/MHC COMPLEXES AND USES THEREOF

(51) International classification :A61K39/00,A61K39/395
(31) Priority Document No :62/142958
(32) Priority Date :03/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/025755
Filing Date :01/04/2016
(87) International Publication No :WO 2016/161390
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)LIU Hong
3)XU Yiyang
4)XIANG Jingyi
5)LONG Li

(57) Abstract :
The present application provides constructs comprising an antibody moiety that specifically binds to a complex comprising an AFP peptide and an MHC class I protein. Also provided are methods of making and using these constructs.

No. of Pages : 210 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037796 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ANTI FCRN ANTIBODIES

(51) International classification :C07K16/28,C07K16/46,C07K16/18
(31) Priority Document No :1508180.5
(32) Priority Date :13/05/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2016/060305
Filing Date :09/05/2016
(87) International Publication No :WO 2016/180765
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)HEYWOOD Sam Philip
4)HUMPHREYS David Paul
5)SMITH Bryan John

(57) Abstract :
The disclosure relates to antibody fusion proteins specific to FcRn formulations comprising the same use of each in therapy processes for expressing and optionally formulating said antibody DNA encoding the antibodies and hosts comprising said DNA.

No. of Pages : 55 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037797 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SUBSTITUTED CYCLIC AMIDES AS HERBICIDES

(51) International classification	:C07D207/277,C07D401/06,C07D403/06
(31) Priority Document No	:62/168360
(32) Priority Date	:29/05/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/033231 :19/05/2016
(87) International Publication No	:WO 2016/196019
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)SATTERFIELD Andrew Duncan

(57) Abstract :
Disclosed are compounds of Formula 1, including all stereoisomers, N oxides, and salts thereof, wherein R1, R4, R5, R6, J, Q1, Q2, A, Y1, and Y2 are as defined in the disclosure. Also disclosed are compositions containing the compounds of Formula 1 and methods for controlling undesired vegetation comprising contacting the undesired vegetation or its environment with an effective amount of a compound or a composition of the invention.

No. of Pages : 94 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037801 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ADAPTIVE TRANSMISSION METHODS FOR UPLINK CONTROL INFORMATION

(51) International classification :H04L5/00
(31) Priority Document No :PCT/CN2015/076162
(32) Priority Date :09/04/2015
(33) Name of priority country :China
(86) International Application No :PCT/IB2016/051950
Filing Date :06/04/2016
(87) International Publication No :WO 2016/162803
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)LIU Jinhua
3)SONG Xinghua
4)FAN Rui
5)LU Qianxi

(57) Abstract :
Systems and methods relating to control channel transmission in a cellular communications network that are particularly well suited for use with but not limited to Carrier Aggregation (CA) with a large number of Component Carriers (CCs) are disclosed. In some embodiments a method of operation of a wireless device in a cellular communications network comprises receiving an indicator from a base station that indicates that a transmit scheme utilized by the wireless device for transmission of an uplink control channel is to be changed. The method further comprises upon receiving the indicator changing the transmit scheme utilized by the wireless device for transmission of the uplink control channel in accordance with the indicator. In this manner the transmit scheme utilized by the wireless device for transmission of an uplink control channel can be adapted to e.g. operating conditions.

No. of Pages : 32 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037810 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : VARIABLE SYNCHRONIZATION BLOCK FORMAT

(51) International classification	:H04J11/00,H04W56/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:PCT/IB2015/054522 :15/06/2015
(87) International Publication No	:WO 2016/203290
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
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2)AXN„S Johan
3)HUI Dennis

(57) Abstract :
An access node AN may be configured to communicate wirelessly with a wireless device (WD). The AN can transmit a first synchronization signal block having a first format. The AN can also transmit a second synchronization signal block of a second format the first synchronization signal block including a first format different from the format of the second synchronization signal block. The first synchronization signal block can include an extended primary synchronization signal block that can be used to synchronize disadvantaged user equipment (e.g. user equipment experiencing low signal to noise ratio).

No. of Pages : 16 No. of Claims : 84

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037814 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : LIGHT SHEET IMAGING MICROSCOPY USING AN OPTICAL TRAP

(51) International classification	:G02B21/00,G02B21/06,G02B21/32
(31) Priority Document No	:1508376.9
(32) Priority Date	:15/05/2015
(33) Name of priority country	:U.K.
(86) International Application No Filing Date	:PCT/GB2016/051317 :09/05/2016
(87) International Publication No	:WO 2016/185170
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)DHOLAKIA Kishan

(57) Abstract :
An optical system comprising trapping optics for forming an optical trap using counter propagating beams of light and light sheet imaging optics for light sheet imaging a particle for example a cell that is positioned in the optical trap wherein the wavelength of the counter propagating beams of light and the wavelength of the light used for light sheet imaging are non interfering.

No. of Pages : 9 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037819 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ELECTRICAL SWITCHING APPARATUS AND SECONDARY DISCONNECT ASSEMBLY WITH ERROR PROOFING FEATURES THEREFOR

(51) International classification :H01H71/08
(31) Priority Document No :14/678084
(32) Priority Date :03/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/021960
Filing Date :11/03/2016
(87) International Publication No :WO 2016/160307
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)ZHENG Rong
3)ZHU Hongfeng
4)HE Yaoming
5)BOGDON Erik R.
6)RODGERS Craig A.
7)RAKUS Paul R.

(57) Abstract :
A secondary disconnect assembly (100) is for electrically connecting and disconnecting accessories to an electrical switching apparatus (2) such as a power circuit breaker (2). The secondary disconnect assembly (100) includes a terminal block assembly (200) comprising a mounting member (212) at least one terminal block (400) removably mounted on the mounting member (212) and at least one accessory plug (500) structured to be removably inserted into the terminal block (400) to be electrically connected to the terminal block (400). The terminal block (400) and the accessory plug (500) each include a plurality of error proofing features (420 422;520 522). The error proofing features (420 422;520 522) prohibit insertion of the accessory plug (500) into the terminal block (400) unless the accessory plug (500) is correctly disposed in a predetermined orientation.

No. of Pages : 26 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037820 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ELECTRICAL SWITCHING APPARATUS AND SECONDARY DISCONNECT ASSEMBLY WITH CONTACT ALIGNMENT FEATURES THEREFOR

(51) International classification :H01H71/08
(31) Priority Document No :14/678040
(32) Priority Date :03/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/022734
Filing Date :17/03/2016
(87) International Publication No :WO 2016/160345
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)CHEN Jianhua
2)ZHENG Rong
3)ZHU Hongfeng
4)HE Yaoming
5)RAKUS Paul R.

(57) Abstract :
A secondary disconnect assembly (100) is for an electrical switching apparatus (2) such as a power circuit breaker (2). The secondary disconnect assembly (100) includes a terminal block mount (202) having a number of first mounting features (280 290 292) at least one terminal block (400) and at least one accessory plug (500). Each terminal block (400) includes a number of receptacles (410 412) and a number of second mounting features (480 490 492) which cooperate with the first mounting features (280 290 292) to properly align mount and stabilize the terminal block (400) on the terminal block mount (202). Each accessory plug (500) includes a number of contact alignment features (452 454 456 458 540 542 550 552) structured to align and guide the accessory plug (500) into a corresponding one of the receptacles. (410 412).

No. of Pages : 26 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037821 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ELECTRICAL SWITCHING APPARATUS AND SECONDARY DISCONNECT ASSEMBLY WITH TERMINAL RETENTION AND CORRECTION FEATURES THEREFOR

(51) International classification :H01H71/08,H02B11/127
(31) Priority Document No :14/678035
(32) Priority Date :03/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/023363
Filing Date :21/03/2016
(87) International Publication No :WO 2016/160387
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)BOGDON Erik R.
2)RODGERS Craig A.
3)RAKUS Paul R.
4)WEISTER Nathan J.

(57) Abstract :
A secondary disconnect assembly (100) is for an electrical switching apparatus (2) such as a power circuit breaker (2). The secondary disconnect assembly (100) includes a cradle assembly (300) and a terminal block mount (202). The cradle assembly (300) includes a cradl4e housing (302) an inner cradle (304) movably disposed within the cradle housing (302) a number of retention members (372 374) and at least one stop member (390 392). The terminal block mount (202) structured to receive a plurality of terminal blocks (400). The terminal block mount (202) includes a number of protrusions (204 206) each being removably coupled to the inner cradle (304). The retention members (372 374) cooperate with the protrusions (204 206) to retain the protrusions (204 206) in a desired position with respect to the inner cradle (304). The at least one stop member (390 392) cooperates with the inner cradle (304) to correctly align the inner cradle (304) with respect to the terminal block mount (202).

No. of Pages : 25 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037825 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD FOR THE PRODUCTION OF A PIEZOELECTRIC LAYER STACK AND PIEZOELECTRIC LAYER STACK

(51) International classification	:H01L41/053,B24C1/00,H01L41/083
(31) Priority Document No	:10 2015 210 797.3
(32) Priority Date	:12/06/2015
(33) Name of priority country	:Germany
(86) International Application No Filing Date	:PCT/EP2016/058097 :13/04/2016
(87) International Publication No	:WO 2016/198183
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)ZUMSTRULL Claus
2)WILDGEN Andreas

(57) Abstract :
The invention relates to a method for producing a piezoelectric layer stack (10) wherein a layer stack (10) having a plurality of piezoelectric ceramic layers (12) and having a plurality of electrically conductive inner electrodes (14) alternating along a longitudinal axis (L) is provided wherein on the surface (16) thereof the ceramic layers (12) have a first region (18) with a polycrystalline structure (20) and a second region (22) with a loose ceramic material (24) that is purely mechanically adhered to the polycrystalline structure (20) wherein the loose ceramic material (24) is removed from the polycrystalline structure (20) without damaging the polycrystalline structure (20). The invention also relates to a layer stack (10) produced in particular using a method of this type.

No. of Pages : 17 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037656 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : MONITORING INFANT EMOTIONAL STATES AND DETERMINING PHYSIOLOGICAL MEASUREMENTS ASSOCIATED WITH AN INFANT

(51) International classification :A61B5/01,A61B5/02,A61B5/04
(31) Priority Document No :14/679004
(32) Priority Date :05/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No:PCT/US2016/026067
Filing Date :05/04/2016
(87) International Publication No :WO 2016/164375
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)PRADEEP Anantha
2)DEV Ratnakar
3)ROBBINS Thomas

(57) Abstract :
Provided are mechanisms and processes for monitoring an infant s emotional state. In one example a system includes an infant monitoring hub that has an infant monitoring device interface and a hub processor. The infant monitoring device interface receives measurement data transmitted wirelessly from an infant monitoring device associated with a first infant. The hub processor compares the measurement data to a development model to determine if an emotional state associated with the measurement data reaches an undesirable level and generates a notification for a caregiver associated with the first infant if the emotional state reaches an undesirable level.

No. of Pages : 61 No. of Claims : 60

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037657 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PRESENTATION OF CUSTOMIZED LEARNING CONTENT FOR AN INFANT BASED ON DEVELOPMENTAL AGE

(51) International classification :G09B19/00
(31) Priority Document No :14/679004
(32) Priority Date :05/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/026063
Filing Date :05/04/2016
(87) International Publication No :WO 2016/178771
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
Provided are mechanisms and processes for presenting customized learning content for an infant based on developmental age. In one example a system includes an infant monitoring device and a monitoring hub. The infant monitoring device includes sensors that gather measurement data associated with the infant when the infant is presented with a first module of learning content. The monitoring hub receives the measurement data and analyzes the measurement data in relation to a development model obtained from a remote platform to determine whether the first module of learning content was appropriate for the infant. The measurement data is analyzed to determine a developmental age for the infant and present a second module of learning content customized to the developmental age of the infant.

No. of Pages : 67 No. of Claims : 80

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037660 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : AGENTS AND COMPOSITIONS FOR ELICITING AN IMMUNE RESPONSE

(51) International classification :A61K39/00,A61K35/17,C12N5/09
(31) Priority Document No :2015901218
(32) Priority Date :02/04/2015
(33) Name of priority country :Australia
(86) International Application No :PCT/AU2016/050250
Filing Date :01/04/2016
(87) International Publication No :WO 2016/154684
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)RALPH Stephen

(57) Abstract :
Disclosed are immune potentiating compositions. More particularly the present invention discloses compositions comprising cells exhibiting enhanced antigen presenting functions. The compositions of the present invention are generally useful in facilitating the stimulation of host immune cell responses including selective and targeted immune cell responses and are particularly useful in the treatment and/or prophylaxis of cancers tumours and pathogenic infections.

No. of Pages : 81 No. of Claims : 59

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037661 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : THERMOSIPHON WITH MULTIPORT TUBE AND FLOW ARRANGEMENT

(51) International classification :F28D15/02,F28D1/053
(31) Priority Document No :62/150465
(32) Priority Date :21/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/028342
Filing Date :20/04/2016
(87) International Publication No :WO 2016/172141
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)ANGRISANI Maria Luisa
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(57) Abstract :
A thermosiphon device includes one or more flat multiport tube structures having at least one section that defines a plurality of flow channels and at least one web that extends from the section in a plane of the flat multiport tube structures. The flow channels may function as condensing channels e.g. in a counterflow device or as evaporation channels. A multiport tube structure may include two sections that each define a plurality of flow channels and the two sections may be joined by a web that extends between the sections in the plane of the multiport tube structure. The sections may function as condensing channels as evaporation channels or one section may function as a set of evaporation channel and the other section may function as a set of condensing channels. Multiport tube sections may alternately function as a vapor supply path or liquid return path.

No. of Pages : 34 No. of Claims : 70

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037663 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : THIN BATTERY AND MANUFACTURING METHOD THEREFORE

(51) International classification :H01M10/0565,H01M6/06,H01M6/18
(31) Priority Document No :1600804.7
(32) Priority Date :15/01/2016
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2017/050754
Filing Date :16/01/2017
(87) International Publication No :WO 2017/121891
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)PRAKASH Deep

(57) Abstract :
A thin battery is produced on a surface is taught. A first electrode layer and a second electrode layer are provided on the surface. An electrolyte layer is printed on the first electrode layer and the second electrode layer. The electrolyte layer possesses substantial mechanical strength such that further printings on top of the electrolyte layer can be done. A photopolymerizable protection layer is printed on the electrolyte layer and around a perimeter of the electrolyte layer wherein the photopolymerizable protection layer solidifies on exposure to suitable radiation. The electrolyte layer comprises at least one first functional group and the photopolymerizable protection layer comprise at least one second functional group such that on exposure to the suitable radiation some of the at least one first functional group makes chemical bonds with some of the at least one second functional group.

No. of Pages : 17 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037554 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : FRICTION CLUTCH

(51) International classification :F16D13/75
(31) Priority Document No :10 2015 210 411.7
(32) Priority Date :08/06/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/DE2016/200205
Filing Date :03/05/2016
(87) International Publication No :WO 2016/198053
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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(57) Abstract :
The invention relates to a friction clutch (10) for coupling a drive shaft of a motor vehicle engine to at least one transmission input shaft of a motor vehicle transmission comprising: a clutch cover (12); a counter plate (14) secured to the clutch cover (12); a pressure plate (20) which can be moved axially in relation to the counter plate (14) for frictionally pressing a clutch disc (26) between the counter plate (14) and the pressure plate (20); an actuation element (22) which can be mounted on the clutch cover (12) in a tiltable manner for moving the pressure plate (20); and a checking unit (42) having a reference mark (44) and a check indicator (46) for checking the wear state of the clutch disc (26) wherein the wear state of the clutch disc (26) can be visually checked using the checking unit (42) from outside the assembled friction clutch (10).

No. of Pages : 10 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037555 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : A WIRELESS DEVICE A NETWORK NODE AND METHODS THEREIN FOR ENABLING AND PERFORMING AN UPLINK CONTROL CHANNEL TRANSMISSION

(51) International classification	:H04L5/00,H04W24/10,H04W72/04
(31) Priority Document No	:62/145538
(32) Priority Date	:10/04/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/SE2016/050281 :05/04/2016
(87) International Publication No	:WO 2016/163935
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
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2)YANG Yu
3)BELLESCHI Marco

(57) Abstract :
A method performed by a wireless device (121) for performing an uplink control channel transmission in a serving cell (115) in a wireless communications network (100) is provided. The wireless device (121) is configured with a set of serving cell(s) (115 116 117 118) in the wireless communications network (100). First the wireless device (121) determines a number of serving cells of the set of serving cell(s) (115 116 117 118) that are relevant to consider when performing the uplink control channel transmission in the serving cell (115). Secondly the wireless device (121) selects an uplink control channel format from a set of uplink control channel formats for uplink control channel transmissions based on the determined number of serving cells. Then the wireless device (121) performs the uplink control channel transmission in the serving cell (115) using the selected uplink control channel format. A wireless device (121) for performing an uplink control channel transmission in a serving cell (115) in a wireless communications network (100) is also provided. Furthermore a network node and a method therein for enabling an uplink control channel transmission by a wireless device (121) in a serving cell (115) in a wireless communications network (100) are also provided.

No. of Pages : 27 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037557 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : A SECURITY DOCUMENT OR TOKEN

(51) International classification :B42D25/29,B42D25/378,B42D25/355
(31) Priority Document No :2015100387
(32) Priority Date :26/03/2015
(33) Name of priority country :Australia
(86) International Application No :PCT/AU2016/050218
Filing Date :24/03/2016
(87) International Publication No :WO 2016/149762
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)POWER Gary Fairless

(57) Abstract :
The invention relates to a security document (10) and a method of making the security document (10). The security document (10) has an optically transmissive region with a first surface and a second surface on an opposite side to the first surface. On a portion of the first surface is a first opacifying layer (14) with an area B of the optically transmissive region not being covered by the first opacifying layer (14). Similarly on a portion of the second surface is a second opacifying layer (16) with an area A of the optically transmissive region not being covered by the second opacifying layer (16). The uncovered area B of the first surface does not substantially overlap the uncovered area A of the second surface. Further the uncovered area B of the first surface and uncovered area A of the second surface appear to be substantially contiguous when viewed in transmitted light.

No. of Pages : 19 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037564 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : AUTHORIZATION APPARATUS AND METHOD FOR AN AUTHORIZED ISSUING OF AN AUTHENTICATION TOKEN FOR A DEVICE

(51) International classification :H04L29/06
(31) Priority Document No :10 2015 210 718.3
(32) Priority Date :11/06/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2016/061073
Filing Date :18/05/2016
(87) International Publication No :WO 2016/198241
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)FRIES Steffen
3)MUNZERT Michael
4)VON OHEIMB David

(57) Abstract :
A method for an authorized issuing of an authentication token for a device (20) comprising requesting (12) an authentication token for the device (20) by sending a request message (CSReq) and at least one authentication parameter to an authorization apparatus (30) verifying (13) authenticity of the request message using the authentication parameter verifying (14) authorization for the request by comparing information on the device (20) obtained with the request message in the authorization apparatus with context information for the device (20) stored in a database (38 39) and on success of the verification of the authenticity and of the authorization (13 14) authorizing (15) the issuing of the requested authentication token.

No. of Pages : 15 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037830 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ACCOMPANYING MESSAGE DATA INCLUSION IN COMPRESSED VIDEO BITSREAMS SYSTEMS AND METHODS

(51) International classification :H04N21/236,H04N21/434
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2015/075598
Filing Date :31/03/2015
(87) International Publication No :WO 2016/154929
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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2)WU Gang
3)WANG Kai
4)LIMASI Ihwan

(57) Abstract :
Methods and systems for inserting and extracting message data into and out of an encoded bitstream representative of an unencoded video frame are described herein. The unencoded video frame and at least one accompanying message for inclusion in the encoded bitstream are obtained and the unencoded video frame is encoded thereby generating a video data payload of the encoded bitstream. A message size corresponding to the accompanying message (s) is obtained and a frame header of the encoded bitstream is generated. The frame header may include a message enabled flag a message count flag at least one message size flag corresponding to each of the accompanying messages and message data corresponding to the contents of the accompanying message (s). The message count flag indicates a number of accompanying messages being included in the frame header and each message size flag indicates the size of a corresponding accompanying message.

No. of Pages : 18 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037833 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DAMPING ELEMENT FOR A HYDRAULIC LINE

(51) International classification :F16L55/027,F16D48/02
(31) Priority Document No :10 2015 210 366.8
(32) Priority Date :05/06/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/DE2016/200240
Filing Date :23/05/2016
(87) International Publication No :WO 2016/192722
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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2)DURR Julien

(57) Abstract :
The invention relates to a damping element for a hydraulic line in particular for actuating vehicle clutches said element comprising: a housing (1) and a sleeve (4) which can be moved inside the housing (1) along a longitudinal axis and which has a through opening; a spring (9) which is supported between the housing (1) and the sleeve (4); and a membrane (7) located in the housing (1) said membrane (7) having a substantially flat design and lying on a head piece (5) arranged or formed on the sleeve (4).

No. of Pages : 13 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037836 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : MICROALGAE EXTRACT FOR AGRICULTURAL USE

(51) International classification :A01N65/03,A01N25/02,A01P15/00
(31) Priority Document No :BO2015A000217
(32) Priority Date :30/04/2015
(33) Name of priority country :Italy
(86) International Application No :PCT/IB2016/052477
Filing Date :02/05/2016
(87) International Publication No :WO 2016/174646
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)EMILIANI Guido

(57) Abstract :
Phaeodactylum tricornutumArthrospira platensisEuglena gracilisPorphyridium cruentumThe invention is a composition for agricultural use that comprises a biotic compound derived from microalgae said compound being capable of causing the induction of resistance in plants. The microalgae may be diatoms and/or cyanobacteria. In particular they may comprise an algal strain selected from the group comprising (Spirulina) and .

No. of Pages : 22 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037844 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DEVICE AND METHOD FOR WINDING AN EXCESS LENGTH OF AN OPTICAL FIBER ONTO A BOBBIN

(51) International classification	:B65H54/34,B65H75/14,B65H75/28
(31) Priority Document No	:1553843
(32) Priority Date	:29/04/2015
(33) Name of priority country	:France
(86) International Application No Filing Date	:PCT/FR2016/051011 :29/04/2016
(87) International Publication No	:WO 2016/174368
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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1)GRILLET Michel

(57) Abstract :
The invention relates to a device (2) for winding an excess length (100) of an optical fiber onto a bobbin (1) comprising: a cylindrical reel (10); two rims (11 12) extending radially at each end of the reel (10) one (11) of said rims being provided with a port (110) for the optical fiber; a magazine (13) which has a cylindrical surface for receiving a winding of the excess length (100) of the optical fiber is separated from the reel (10) by the rim (11) provided with the port (110) and has a circumferential edge (130) for retaining the excess length of the optical fiber; the device is characterized in that same comprises: means (22) for storing the excess length of the optical fiber; and means (21) for winding the excess length of the optical fiber about the magazine (13) the means (21 22) being able to cooperate in such a way as to unwind a certain length of the optical fiber stored on the storing means (22) and wind the excess length about the magazine (13).

No. of Pages : 9 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037565 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DEVICE FOR MANUALLY LIFTING A LOAD WITH A LEVER FOR A CART SUITCASE AND THE LIKE

(51) International classification :B62B5/02
(31) Priority Document No :1500592
(32) Priority Date :25/03/2015
(33) Name of priority country :France
(86) International Application No :PCT/FR2016/000055
Filing Date :22/03/2016
(87) International Publication No :WO 2016/151206
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)MUSCOCEA Anghel
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(72)**Name of Inventor :**
1)MUSCOCEA Anghel

(57) Abstract :
Device for manually lifting a load with a lever for a cart suitcase and the like making it easier to ascend and descend staircases and various obstacles said device comprising two parts: a first part comprising: a frame (1) secured to wheels (2) the wheels (2) and the handles (3) being fixed to the frame (1) a second part comprising: a load support (4) secured to wheels (5) the wheels (5) and a load (12) being mounted in a fixed manner on the load support (4) the second part being able to slide with respect to the first part by the action of a telescopic lever arm (10) in order to ascend a step of a staircase in two phases the telescopic lever arm (10) being fixed to the handles (3) by an articulation (9) a second articulation (8) connecting the telescopic lever arm (10) to a transmission (6) which is in turn connected by a third articulation (7) to the load support (4) of the second part.

No. of Pages : 3 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037566 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : TURBOSHAFT ENGINE MOUNTABLE IN A REDUCTION GEARBOX

(51) International classification :F01D25/16,F02C3/10,F02C7/36
(31) Priority Document No :1553751
(32) Priority Date :27/04/2015
(33) Name of priority country :France
(86) International Application No :PCT/FR2016/050977
Filing Date :26/04/2016
(87) International Publication No :WO 2016/174341
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)SAFRAN HELICOPTER ENGINES
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1)LAFARGUE Olivier
2)BROTIER Sbastien
3)PUERTO Alphonse

(57) Abstract :
The invention relates to a turboshaft engine for a helicopter comprising a case (5) inside which a gas generator (6) and a turbine (7) are accommodated the turbine (7) being mounted on a power shaft (8) that extends along a longitudinal direction (X X) the turboshaft engine further comprising means for removably mounting the power shaft (8) into a reduction gearbox (10) inside which at least one gear (11) of a first reduction stage is accommodated; the means for removably mounting the power shaft include a pinion (12) having a central bore the shape of which is adapted to that of the power shaft (8) in such a way that the pinion (12) can slide over the power shaft (8); furthermore the contour of the pinion (12) is adapted to the shape of the gear (11) of the first stage in such a way that the pinion (12) can form a leading input pinion of the gearbox in said gear once the power shaft (8) has been mounted in the reduction gearbox (10).

No. of Pages : 10 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037567 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PROCESS FOR THE PREPARATION OF POLYSACCHARIDES

(51) International classification :C08B37/00,A61K31/737
(31) Priority Document No :102015000016209
(32) Priority Date :20/05/2015
(33) Name of priority country :Italy
(86) International Application No :PCT/EP2016/061088
Filing Date :18/05/2016
(87) International Publication No :WO 2016/184887
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)DE FERRA Lorenzo
2)AMMIRATI Ettore
3)ANDREASSI Simona
4)ANNIBALDI Mauro
5)MANDELLI Luca
6)PINTO Barbara
7)STRACQUALURSI Felice

(57) Abstract :
The present invention relates to a process for the preparation of a polysaccharide composed of D xylose units of formula (III) linked together via beta 1 4 glycosidic bonds wherein R is hydrogen or acetyl R is hydrogen acetyl or a 4 O methyl glucuronic acid unit wherein when R is a 4 O methyl glucuronic acid unit the R group on the same saccharide unit is defined as G wherein G is hydrogen or acetyl and wherein the sugar unit at the reducing end of such polysaccharide is xylose lyxose or xylulose said process comprising the following steps: selective deacetylation of xylan extracted from beech wood; and isomerization of the selectively deacetylated xylan achieved in step or the following steps: isomerization of xylan extracted from beech wood; and selective deacetylation of isomerized xylan achieved in step. The process is useful for the preparation of pentosan polysulfate or pharmaceutically acceptable salts thereof for pharmaceutical use.

No. of Pages : 22 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037568 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SYSTEM AND METHOD FOR AUTOMATED COMMUNICATIONS SESSION ROUTING IN A COMMUNICATIONS HANDLING SYSTEM

(51) International classification :H04L29/02,H04L29/06
(31) Priority Document No :62/154033
(32) Priority Date :28/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/029822
Filing Date :28/04/2016
(87) International Publication No :WO 2016/176472
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)TRANS UNION LLC
Address of Applicant :555 West Adams Street Chicago IL 60661 U.S.A.
(72)**Name of Inventor :**
1)DROTOS David
2)SWINFORD John

(57) Abstract :
Systems and methods for handling a telecommunications session in real time are provided where the telecommunications session is initiated by a calling device and intended for a receiving network. One system comprises a module in communication with a communications network associated with the telecommunications session configured for intercepting the telecommunications session prior to reaching the receiving network obtaining address information associated with the calling device determining a credit related score for the telecommunications session based on the address information identifying an appropriate unit of the receiving network based on the credit related score and routing the telecommunications session to the appropriate unit. The system also includes a memory for storing the module and a processor in communication with the memory to execute the module.

No. of Pages : 35 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017
(21) Application No.201717021928 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHODS AND APPARATUS FOR ENABLING PROXIMITY SERVICES IN MOBILE NETWORKS

(51) International classification :H04W24/00
(31) Priority Document No :62/085327
(32) Priority Date :27/11/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/058819
Filing Date :03/11/2015
(87) International Publication No :WO 2016/085624
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)MIAO Guowang

(57) Abstract :
An apparatus and method to improve communications in a wireless communication network. Steps include sending specific information to user equipment or adjacent base stations so that the user equipment and adjacent base stations can determine minimum power requirements and interference levels in sidelink communications. The apparatus includes a localization module with a self tracking component; a signal detection component; and a location estimation component. The apparatus may include a proximity system usable to locate one or more target transmitters and includes a localization module; a proximity description module; and a proximity display module. The proximity system may include a proximity advertisement module which includes an access management component; an ownership management component; and a content management component.

No. of Pages : 56 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717021929 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : LINEAR POLYSACCHARIDE BASED FILM PRODUCTS

(51) International classification :A61K9/00,A61K47/36,A61K31/00
(31) Priority Document No :62/089676
(32) Priority Date :09/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/064806
Filing Date :09/12/2015
(87) International Publication No :WO 2016/094567
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)MYERS Garry L.
2)LI Michael
3)BOGUE Beuford Arlie
4)DADEY Eric

(57) Abstract :
Film products especially suitable for oral delivery which can be formed during manufacture in the form of large and/or heavy film strips or sheets and subsequently cut into uniform dosage units each dosage unit being uniform in content and having distributed therein a linear polysaccharide such as pullulan a plasticizer and an active component.

No. of Pages : 89 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717021930 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : LASER INDUCED BREAKDOWN SPECTROSCOPY SAMPLE CHAMBER

(51) International classification :G01N21/15,G01N21/71
(31) Priority Document No :14/587502
(32) Priority Date :31/12/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/063876
Filing Date :04/12/2015
(87) International Publication No :WO 2016/109115
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)WANG Peidong
2)LI Haowen
3)SUN Rong
4)BUSH Michael

(57) Abstract :
An apparatus (100) for laser induced breakdown spectroscopy (LIBS) comprising a sample chamber (112) a laser source (115) connected to an excitation optics assembly (120) the excitation optics assembly (120) connected to a first port (132) on the sample chamber (112) a collimator assembly (125) connected to a spectrometer (130) the collimator assembly (125) connect to a second port (135) on the sample chamber (112) and a first lens tube (150) positioned on the first port (132) and a second lens tube (155) positioned on the second port (135) the first lens tube (150) protecting the first port (132) connected to the excitation optics assembly (120) and the second lens tube (155) protecting the second port (135) connected to the collimator assembly (125) from particles emitted when a laser pulse from the laser source (115) ablates a surface of a target sample (145) and generates a plasma. The protection can alternatively be provided by a transparent partition (260) positioned between the first port (132) and the target sample (145).

No. of Pages : 9 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2017

(21) Application No.201717021931 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : AIR CONDITIONING EQUIPMENT

(51) International classification :F24F13/22,F24F13/20
(31) Priority Document No :1020140166640
(32) Priority Date :26/11/2014
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2015/010878
Filing Date :15/10/2015
(87) International Publication No :WO 2016/085118
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)KIM Ki jun
2)LEE Won hee
3)CHO Sang ki
4)KIM Kwon jin
5)PARK Yun suk
6)CHOI Kang ho

(57) Abstract :
An air conditioning equipment includes a housing comprising a heat exchanger therein a water container mounted to and dismounted from a receiving portion of the housing and to collect a condensate generated by the heat exchanger and a valve configured to selectively open and close a discharge port by being interfered with a portion of the water container according to the mounting and the dismounting of the water container to or from the receiving portion of the housing. The valve is inserted within the receiving portion of the housing through the discharge port in order to reduce a protruded length that is interfered by the portion of the water container.

No. of Pages : 22 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717040043 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : A DEVICE FOR OUTPUTTING A MAGNETIC FIELD AND A METHOD OF OUTPUTTING A MAGNETIC FIELD

(51) International classification :G06K19/06
(31) Priority Document No :15164117.2
(32) Priority Date :17/04/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/058569
Filing Date :18/04/2016
(87) International Publication No :WO 2016/166376
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)NIELSEN Finn

(57) Abstract :
A device for and a method of outputting a magnetic field which is selected according to the type of card reader into which the device is inserted. Different card readers have different reader head types and different number of reader heads and different modes of outputting the magnetic field usually with the same information contents are selected in order to cater for different reader types. In one example the sensing coils of different reader heads may have different angles to the swipe plane so that different field line angles may be selected to adapt to the actual reader head.

No. of Pages : 54 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037679 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : AN AQUEOUS MULTILAMELLAR COMPOSITION FOR DELIVERING HYDROPHOBIC SUBSTANCES

(51) International classification :A61K47/10,A61K47/14,A61K9/10
(31) Priority Document No :62/145340
(32) Priority Date :09/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/024704
Filing Date :29/03/2016
(87) International Publication No :WO 2016/164205
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)PREMACHANDRAN Raman
3)WINKOWSKI Karen
4)WINGENFELD Andrea

(57) Abstract :
An aqueous multilamellar composition for delivering a hydrophobic substance comprising: (i) about 50 . % to about 80 . % of phenylethylalcohol and/or phenylpropylalcohol; (ii) a mixture of (a) about 10 % to about 20. % of polyglyceryl 4 laurate/sebacate and (b) about 10 . % to about 20 . % of poly glyceryl 6 caprylate/caprate; (iii) about 10 . % to about 20 . % of octane 1 2 diol; (iv) optionally about 10 . % to about 20 . % of 1 3 propanediol; and (v) about 5.0 . % to about 80 . % of water. Also described is a method of use and process for preparing the same.

No. of Pages : 17 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037698 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : EAR CORRECTOR (VARIANTS)

(51) International classification :A61F11/00
(31) Priority Document No :2015110476
(32) Priority Date :25/03/2015
(33) Name of priority country :Russia
(86) International Application No :PCT/RU2016/000150
Filing Date :17/03/2016
(87) International Publication No :WO 2016/153393
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)MARTYNOV Nikanor Igorevich

(57) Abstract :
The group of inventions relates to devices for correcting deformations of an ear or auricle in particular extreme protrusion or closeness of the auricle to the head and is an aesthetic means for eliminating defects of the external part of an ear i.e. auricle with the aid of conservative correction. The problem addressed by the invention consists in providing structural strength for the ear corrector and greater comfort and more reliable fastening to the user s auricle of elements attached to said auricle with the possibility of leaving open areas of skin. The technical result is achieved by the construction of separate elements for attaching to the auricle with a smaller area of attachment of said elements and the possibility of arranging said elements on various sections of the auricle which makes it possible to correct various defects and to increase the number of support points. Four design variants of an ear corrector are proposed which are united by the inventive concept which allows the distribution of elements which are attachable to the user with the aid of a larger number of adhesive surfaces and provides for the possibility of forming various gaps between all of the elements and are characterized by the interconnection of the elements. All of the elements are formed from a plastics material preferably silicone and the surfaces of the elements for attaching to the head and auricle of the user have a biologically compatible adhesive coating to which protective elements are applied up to the beginning of bringing the ear corrector into a working state.

No. of Pages : 10 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037706 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : NEEDLE CAPTURE SAFETY INTERLOCK FOR CATHETER

(51) International classification :A61B17/34,A61M5/00,A61M5/158
(31) Priority Document No :PCT/US2015/026534
(32) Priority Date :17/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/027942
Filing Date :15/04/2016
(87) International Publication No :WO 2016/168737
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)STOKES John

(57) Abstract :
A catheter assembly including a flexible catheter a needle having a sharp distal tip the needle disposed in the flexible catheter and moving from a first position that exposes the needle to a second position an outer member that is configured to engage and disengage a catheter hub an inner member disposed in the outer member and a needle shield for shielding at least a distal end of the needle when the needle is in the second position and the needle being disposed through the needle shield in the first position.

No. of Pages : 28 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037717 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SYSTEM AND METHOD FOR SIMULTANEOUS EVAPORATION AND CONDENSATION IN CONNECTED VESSELS

(51) International classification :F25B29/00
(31) Priority Document No :1079/DEL/2015
(32) Priority Date :17/04/2015
(33) Name of priority country :India
(86) International Application No :PCT/IN2016/000097
Filing Date :13/04/2016
(87) International Publication No :WO 2016/166768
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)KATYAL AMIT
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(72)**Name of Inventor :**
1)KATYAL AMIT

(57) Abstract :
In an embodiment a distillation system and process thereof is provided. The system 100 includes an evaporation vessel 102 having means for heating a liquid contained therein and producing vapours thereof and a condensation vessel 104 having means for cooling and condensing the vapours produced in the evaporation vessel 102. A connecting pipe 106 for connecting the evaporation vessel 102 and the condensation vessel 104 and for transferring the vapours from the evaporation vessel 102 to the condensation vessel 104 wherein the amount of vapours transferred from the evaporation vessel 102 to the condensation vessel 104 depends upon the pressure differential between the evaporation vessel 102 and the condensation vessel 104 and area of opening of the connecting pipe 106.

No. of Pages : 22 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037845 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PEPTIDE COMPOSITIONS AND METHODS OF USE

(51) International classification :A01N25/00,A61K38/00
(31) Priority Document No :62/155711
(32) Priority Date :01/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/030098
Filing Date :29/04/2016
(87) International Publication No :WO 2016/178993
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)FRESHLEY John K.
4)HUNKE William A.
5)JOHNSON Linda L.
6)SMITH Francis X.
7)SYLVAIN Ethan
8)ZACKS David N.

(57) Abstract :
Provided herein are compositions including peptides pharmaceutical preparations thereof and methods of preventing photoreceptor death therewith and protecting of retinal cells including but not limited to photoreceptors and retinal pigment epithelium from Fas or TRAIL mediated apoptosis.

No. of Pages : 74 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037846 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD AND DEVICE FOR MANUFACTURING METALLIC SODIUM FILLED ENGINE VALVE

(51) International classification :F01L3/14,F01L3/24
(31) Priority Document No :2015091109
(32) Priority Date :28/04/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/055748
Filing Date :26/02/2016
(87) International Publication No :WO 2016/174912
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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2)MAEDA Yasushi

(57) Abstract :
The present invention is provided with: an umbrella part metallic sodium insertion device (130) for inserting rod shaped metallic sodium (Na) into a hollow part (H) of a hollow valve (V); a melting device (140) for melting the metallic sodium (Na) in the hollow part (H) by inserting a push rod (142a) from an opening (O) into the hollow part (H) of the hollow valve (V) in which the metallic sodium (Na) has been inserted by the device (130) and while pushing the rod shaped metallic sodium (Na) in the hollow part (H) heating the umbrella part (A) to a temperature at which the metallic sodium (Na) is melted; a stem part cooling device (150) for cooling a stem part (S) of the hollow valve (V) in which the metallic sodium (Na) has been melted by the melting device (140) to a temperature lower than the temperature at which the metallic sodium (Na) is melted; and a stem part metallic sodium insertion device (170) for inserting rod shaped metallic sodium (Na) into the hollow part (H) which has been cooled by the device (150).

No. of Pages : 25 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037847 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : COMPOSITIONS OF OBETICHOLIC ACID AND METHODS OF USE

(51) International classification :C07J9/00,A61K31/575,A61K9/14
(31) Priority Document No :62/153040
(32) Priority Date :27/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/029369
Filing Date :26/04/2016
(87) International Publication No :WO 2016/176208
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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6)PRUZANSKI Mark
7)SHAPIRO David
8)HOOSHMAND RAD Roya
9)PENCEK Richard
10)SCIACCA Cathi
11)ELIOT Lise
12)EDWARDS Jeffrey
13)MACCONELL Leigh A.
14)MARMON Tonya K.

(57) Abstract :
The disclosure relates to obeticholic acid formulations with improved stability dissolution and/or solubility methods of preparing the same for use and methods of treating various diseases and conditions.

No. of Pages : 159 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037848 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD FOR THE TREATMENT OF IRON CONTAINING SLUDGE

(51) International classification :C22B7/00,C22B13/00,C22B3/00
(31) Priority Document No :PCT/IB2015/000617
(32) Priority Date :05/05/2015
(33) Name of priority country :France
(86) International Application No :PCT/IB2016/000578
Filing Date :04/05/2016
(87) International Publication No :WO 2016/178073
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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Address of Applicant :24 26 Boulevard dAvranches 1160 Luxembourg Luxembourg
(72)**Name of Inventor :**
1)GIORDANA Sverine

(57) Abstract :
The invention is related to a method for the treatment of sludge containing iron and between 4.5% to 12% by weight of zinc. This method includes a leaching step wherein leaching agents include hydrochloric acid and chlorate and wherein the pH of the leachate directly resulting from this leaching step is set at a value strictly below 1.5. Recycling method and treatment installation associated.

No. of Pages : 13 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037849 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : HEAT AND VIBRATION MOUNTING ISOLATOR FOR A HEAT SHIELD HEAT SHIELD ASSEMBLY AND METHOD OF CONSTRUCTION THEREOF

(51) International classification	:F01N13/14,F01N13/18,F02B77/11
(31) Priority Document No	:62/152730
(32) Priority Date	:24/04/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/028727 :22/04/2016
(87) International Publication No	:WO 2016/172399
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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Address of Applicant :27300 West Eleven Mile Road Southfield MI 48034 U.S.A.
(72)**Name of Inventor :**
1)HERALD John
2)TOTH David M.

(57) Abstract :
An isolator for damping heat and vibrations between a heat shield and heat source is provided. The isolator includes a housing and a washer The housing surrounds a center opening and extends axially from a first end portion to a second end portion and includes an intermediate portion therebetween. The housing has a serpentine shape. The first end portion and the intermediate portion of the housing clamp a washer therebetween and the second end portion and the intermediate portion of the housing clamp the heat shield therebetween. The washer includes a plurality of through openings between an outer periphery and the center opening for enhancing vibration dampening and minimizing heat transfer from the heat source to the heat shield. The isolator optionally includes a collar member disposed along the center opening of the washer to facilitate mounting of the isolator to the heat source.

No. of Pages : 14 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/11/2017

(21) Application No.201717039875 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : COMPOSITIONS AND METHODS FOR ALTERING FLOWERING AND PLANT ARCHITECTURE TO IMPROVE YIELD POTENTIAL

(51) International classification :A01H1/00,A01H1/02,A01H5/00
(31) Priority Document No :62/150142
(32) Priority Date :20/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/028130
Filing Date :18/04/2016
(87) International Publication No:WO 2016/172051
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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5)GOLDSHMIDT Alexander
6)HOWELL Miya D.
7)KARUNANANDAA Balasulojini
8)MANJUNATH Sivalinganna
9)MCDILL Bradley W.
10)OVADYA Daniel J.
11)PREUSS Sasha
12)RICE Elena A.
13)SAVIDGE Beth
14)SHARMA Vijay K.

(57) Abstract :
The present invention provides recombinant DNA constructs, vectors and molecules comprising a polynucleotide sequence encoding a florigenic FT protein operably linked to a vegetative stage promoter, which may also be a meristem-preferred or meristem-specific promoter. Transgenic plants, plant cells and tissues, and plant parts are further provided comprising a polynucleotide sequence encoding a florigenic FT protein. Transgenic plants comprising a florigenic FT transgene may produce more bolls, siliques, fruits, nuts, or pods per node on the transgenic plant, particularly on the main stem of the plant, relative to a control or wild type plant. Methods are further provided for introducing a florigenic FT transgene into a plant, and planting transgenic FT plants in the field including at higher densities. Transgenic plants of the present invention may thus provide greater yield potential than wild type plants and may be planted at a higher density due to their altered plant architecture.

No. of Pages : 63 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/11/2017

(21) Application No.201717039881 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SUBSTANCE FOR REMOVING OILS FROM SOIL AND HARD SURFACES AND METHOD FOR USING SAID SUBSTANCE (VARIANTS)

(51) International classification	:B09C1/00,C09K3/32,C09K17/00
(31) Priority Document No	:2015117416
(32) Priority Date	:07/05/2015
(33) Name of priority country	:Russia
(86) International Application No Filing Date	:PCT/RU2015/000855 :08/12/2015
(87) International Publication No	:WO 2016/178597
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)ELAGIN Andrey Aleksandrovich
2)MIRONOV Maksim Anatolievich
3)SHULEPOV Il Dmitrievich

(57) Abstract :
This group of inventions relates to organic chemistry and can be used for cleaning soil off oils, including petroleum, residual crude, fuel of various kinds, hydrocarbons, liquid fuel, as well as for processing and collecting petroleum, oils, residual crude, fuel of various kinds, hydrocarbon and other petroleum products from hard surfaces, such as inner surfaces of storage tanks for oil or oil products, or from equipment used for extraction, processing or transportation of oil, or equipment used for processing oil products, bore mud, gravel, and sand in storage facilities, and from other hard surfaces. The product for cleaning soil and hard surfaces, made in the form of a water solution of a natural polysaccharide and a surface-active agent. Unlike the prototype, the natural polysaccharide used represents polysaccharide microgels of molecular mass of 20,000-200,000 D and particle size of 50-600 nm, while total concentration of polysaccharide microgels and the surface-active agent in the water solutions is at least 0.2 g/l, while the ratio between the polysaccharide microgels and the surface-active agent varies within the 10:11:10 range. This group of inventions improves effectiveness of cleaning hard surfaces or soil from oils, including petroleum and petroleum products, decreasing specific consumption of the materials, while improving ecological safety of cleaning hard surfaces or soil from oils and facilitating recycling of various oils removed from hard surfaces or soil and of surface-active agents.

No. of Pages : 14 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717039893 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD, SYSTEM AND DEVICE FOR COMMUNICATION AND INFORMATION ON VEHICLE THROUGH PROJECTION OF TEXT, IMAGE, AND / OR VIDEO ON THE REAR, SIDE, AND / OR FRONT WINDSHIELD OF VEHICLES •

(51) International classification :H04N9/31,G03B21/14,B60Q1/26
(31) Priority Document No :P00201502084
(32) Priority Date :09/04/2015
(33) Name of priority country :Indonesia
(86) International Application No :PCT/ID2015/000001
Filing Date :07/08/2015
(87) International Publication No :WO 2016/162860
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)LAHINO Christian

(57) Abstract :
The invention presented here shows a method and system for communication and information installed in a vehicle and used to communicate with other vehicles and other parties outside the vehicle during cruising or stationary. This communication sytem consists of several modules namely: an application module (24) installed in a special device with a touch screen track pad/trackball and/or keypad. The application module (24) can also be installed on a smartphone or a tablet; a projector module (25) for projecting the information or message received from the application module (24); and a receiver module (26) that will display the message and information projected by the projector module (25) to the outside of the vehicle through the windshields (front side or rear).

No. of Pages : 14 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037728 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : A PROCESS FOR PRODUCING A HIGH HEAT DELIVERY DEVICE OBTAINING OR CONSISTING OF A POLYMER COMPOSITION COMPRISING A FRAGANCE OR A PART THEREOF

(51) International classification :B29C45/00,A45D1/00,A45D2/00
(31) Priority Document No :15166885.2
(32) Priority Date :08/05/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/059845
Filing Date :03/05/2016
(87) International Publication No :WO 2016/180670
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)TOMIC Katarina

(57) Abstract :
A process for producing a heat delivery device containing or consisting of a polymer composition comprising a fragrance or part thereof comprising the steps of : a) producing a first polymer composition, by feeding a thermoplastic polyester, optionally a first thermoplastic copolyester elastomer and optionally further components of the composition to an extruder, melting and mixing the components, b) cooling down the first polymer composition and c) feeding the first polymer composition and a master batch comprising a second thermoplastic copolyester elastomer and the fragrance to an injection molding machine, melting and mixing the first polymer composition and the master batch in the injection molding machine to obtain the second polymer composition and injection molding of the so obtained molten second polymer composition into the mold of the high-heat delivery device or the part thereof.

No. of Pages : 14 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037729 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ACETATE CONSUMING YEAST CELL

(51) International classification :C12N9/04,C12N9/02,C12N9/16
(31) Priority Document No :15168833.0
(32) Priority Date :22/05/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/061099
Filing Date :18/05/2016
(87) International Publication No :WO 2016/188813
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)KLAASSEN Paul
2)SCHMITZ Jozef Petrus Johannes
3)DE WAAL Paulus Petrus
4)BOUMA Arjen

(57) Abstract :
The present invention relates to a yeast cell that is genetically modified comprising: a) a disruption of one or more aldehyde dehydrogenase (E.C:1.2.1.4) native to the yeast; b) one or more nucleotide sequence encoding a heterologous NAD+ dependent acetylating acetaldehyde dehydrogenase (E.C. 1.2.1.10); c) one or more nucleotide sequence encoding a homologous or heterologous acetyl CoA synthetase (E.C. 6.2.1.1); and d) a modification that leads to reduction of glycerol 3 phosphate phosphohydrolase (E.C. 3.1.3.21) and/or glycerol 3 phosphate dehydrogenase (E.C. 1.1.1.8 or E.C. 1.1.5.3) activity native to the yeast.

No. of Pages : 40 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037730 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : HYBRID CHAIN LINK

(51) International classification :F16G15/12,D03D3/00,F16G13/12
(31) Priority Document No :15169671.3
(32) Priority Date :28/05/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/061979
Filing Date :27/05/2016
(87) International Publication No :WO 2016/189119
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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3)MARISSEN Roelof
4)HOMMINGA Jozef Siegfried Johannes

(57) Abstract :
The present invention relates to a chain link comprising a strip comprising a longitudinal core section and at least two longitudinal edge sections wherein the thickness of the core section is higher than the thickness of the edge sections preferably the strip comprising warp yarn A and warp yarn B the titer of warp yarn A being higher than the titer of warp yarn B and wherein the concentration of warp yarn A in the core section is higher than the concentration of yarn A in the edge sections of the strip and the concentration of warp yarn B in the edge sections is higher than the concentration of warp yarn B in the core section of the strip. The invention also relates to a chain comprising said chain link and to the use of said chain in different applications.

No. of Pages : 31 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037743 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PRESS MOLDING DEVICE AND PRESS MOLDING METHOD

(51) International classification :B21D5/01,B21D22/26
(31) Priority Document No :2015096908
(32) Priority Date :11/05/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/063976
Filing Date :11/05/2016
(87) International Publication No :WO 2016/181986
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
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2)ITOH Masaru
3)SUZUKI Toshiya
4)TANOUE Hiroyuki
5)TANAKA Yasuharu

(57) Abstract :
Provided is a press molding device for manufacturing from a plate to be processed and by bringing a die and punch close together in a pressing direction a press molded product having a top plate part and a first vertical wall and a second vertical wall connected via peak line parts formed on both edges of the top plate part wherein the die is provided with a die slide a first split die a second split die a second split die drive unit a die pad a die pad drive unit an insert block and an insert block drive unit.

No. of Pages : 39 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037744 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD FOR THE CONTINUOUS ELUTION OF A PRODUCT FROM CHROMATOGRAPHY COLUMNS

(51) International classification :C12M1/00
(31) Priority Document No :15167518.8
(32) Priority Date :13/05/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/060368
Filing Date :10/05/2016
(87) International Publication No :WO 2016/180797
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)SCHWAN Peter
2)BAUMARTH Kerstin
3)LOBEDANN Martin

(57) Abstract :
The invention relates to a method for the continuous elution of a biopharmaceutical biological macromolecular product from more than one chromatography column comprising the following steps: (a) providing a product flow via an inlet (b) simultaneously loading n front chromatography columns with the product flow in a loading zone with a loading time t wherein an output flow of the n front chromatography columns is simultaneously distributed to at least n 1 recovery chromatography columns in a recovery zone wherein n lies between 1 and 5 and wherein the n front chromatography columns have a loading time t of different length between 0 and L between L and L and up to between Ln 1 and Ln at a given time wherein each front chromatography column has a total loading time of Ln characterized in that periodically after a constant switch time t of L L the front chromatography columns n leave the loading zone and a recovery chromatography column from the recovery zone enters the loading zone (c) washing the column from step (b) loaded with product with at least one washing buffer (d) eluting the product from the washed column from step (c) with an elution time t that is = 80% of the switch time t wherein at least one chromatography column is in the elution step (d) continuously over 80% of the total run time t.

No. of Pages : 14 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717040044 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : MICROCAPSULES WITH HIGH DEPOSITION ON SURFACES

(51) International classification :A61K8/11,A61Q13/00,A61K8/84
(31) Priority Document No :62/171723
(32) Priority Date :05/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2016/062660
Filing Date :03/06/2016
(87) International Publication No :WO 2016/193435
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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2)NORMAND Valery
3)HANSEN Christopher

(57) Abstract :
The present invention relates to microcapsules formed by interfacial polymerization which present high deposition properties and which can be advantageously used for example in the perfumery industry. Perfuming compositions and perfumed consumer products comprising these microcapsules are also objects of the invention.

No. of Pages : 55 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717040046 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SYSTEM AND METHOD FOR APPLYING PULSED ELECTROMAGNETIC FIELDS

(51) International classification :A61N1/40,A61N1/32,A61N2/00
(31) Priority Document No :10201503520V
(32) Priority Date :05/05/2015
(33) Name of priority country :Singapore
(86) International Application No :PCT/SG2016/050208
Filing Date :05/05/2016
(87) International Publication No:WO 2016/178631
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)LOH Wee Chuan Melvin
4)FR–HLICH J¼rg Hans
5)BEYER Christian
6)LAI Tien Min David

(57) Abstract :
Systems and methods for applying a pulsed electromagnetic fields. A system for applying a pulsed electromagnetic field (PEMF) to a cell comprising: a sensor for obtaining a characteristic of the cell; a memory module having stored therein a plurality of characteristics and PEMF efficacy window data each characteristic having its corresponding PEMF efficacy window data; a pulse generator coupled to a set of PEMF coils and configured to generate an output of electrical pulses to drive the set of PEMF coils; and a controller in communication with the sensor the memory module and the pulse generator wherein the controller is configured to: retrieve from the memory module the PEMF efficacy window data that corresponds to the characteristic of the cell obtained by the sensor; and control the output of the pulse generator based on the retrieved PEMF efficacy window data such that the set of PEMF coils apply a PEMF in accordance with the PEMF efficacy window data.

No. of Pages : 72 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040127 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : POLYETHYLENE COPOLYMERS HAVING A PARTICULAR COMONOMER DISTRIBUTION

(51) International classification :C08F210/02
(31) Priority Document No :62/151816
(32) Priority Date :23/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/028545
Filing Date :21/04/2016
(87) International Publication No :WO 2016/172279
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)KUHLMAN Roger L.

(57) Abstract :
Novel polyethylene copolymers having a relatively high comonomer partitioning tendency are disclosed as are methods for their preparation. The comonomer partitioning tendency is the tendency for a copolymer to have comonomer in the higher molecular weight chains. Novel metrics for describing the comonomer partitioning tendency are also disclosed.

No. of Pages : 43 No. of Claims : 46

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040128 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHODS FOR OPERATING A POLYMERIZATION REACTOR

(51) International classification :C08F2/00
(31) Priority Document No :62/152513
(32) Priority Date :24/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/028966
Filing Date :22/04/2016
(87) International Publication No :WO 2016/172567
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)SAVATSKY Bruce J.
2)PEQUENO R. Eric
3)LOCKLEAR Brandon C.

(57) Abstract :
Methods for olefin polymerization are described. The methods include a) forming a first polyolefin under a first set of polymerization conditions in the presence of a first catalyst composition and a first concentration of at least a first continuity additive composition, the first polyolefin composition having a target density, 1, and a target Flow Index, FI1; and b) forming a second polyolefin composition under a second set of polymerization conditions in the presence of a second catalyst composition and a second concentration of a second continuity additive composition, the second polyolefin composition having a target density, 2, and a target Flow Index, FI2; wherein the process is essentially free of providing a polymerization neutralizing composition between steps a) and b).

No. of Pages : 42 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040129 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : BIS(AMINOPHENYLPHENOL) LIGANDS AND TRANSITION METAL COMPOUNDS PREPARED THEREFROM

(51) International classification :C07F7/00,B01J31/00,C07C215/46
(31) Priority Document No :62/153334
(32) Priority Date :27/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/029162
Filing Date :25/04/2016
(87) International Publication No :WO 2016/176138
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)FALER Catherine Anne
2)RAMIREZ Kevin P.

(57) Abstract :
Disclosed are novel bis(aminophenylphenol) ligands and transition metal compounds derived therefrom. Also disclosed are methods of making the ligands and transition metal compounds.

No. of Pages : 28 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040157 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ATTACHMENT FITTED ON A SINGLE SIDE

(51) International classification :F16B19/10
(31) Priority Document No :1555313
(32) Priority Date :11/06/2015
(33) Name of priority country :France
(86) International Application No :PCT/EP2016/063298
Filing Date :10/06/2016
(87) International Publication No :WO 2016/198600
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)NARETTO Nicolas
3)GAY Olivier
4)PAILHORIES Guy

(57) Abstract :
The invention relates to an attachment for attaching structural elements having aligned bores having a nominal diameter (D) the attachment including a minimum tightening plane (Gmin) and a maximum tightening plane (Gmax) and a screw (12) including a widened head and a threaded portion (22) a sleeve (30) including a widened head a cylindrical tubular body and a tapped portion (36) interlocking with the threaded portion (22) of the screw the tapped portion (36) being adjacent to an inwardly smooth portion of the body (34) of the sleeve said smooth portion having a thickness (E) a not easily deformable area (A) adjacent to the head of the sleeve and a deformable area (B) adjacent to the not easily deformable area (A) the deformable area (B) of the sleeve can deform to a bulb (48) intended to come into contact with a blind surface (46) of the structural elements. The deformable area (B) extends along a length (L) greater than a minimum length (Lmin) and less than a maximum length (Lmax) such that: Lmin = D/2 + 2E + (Gmax Gmin) Lmax = (E/0.092). The invention applies in particular to the assembly of aircraft structures.

No. of Pages : 14 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037850 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PROCESS FOR OXIDATION OF ALCOHOLS USING OXYGEN CONTAINING GASES

(51) International classification :C07C51/23,C07C51/235,C07C51/245
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2015/079188
Filing Date :18/05/2015
(87) International Publication No :WO 2016/183769
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)FANG Wenhao
3)LIEBENS Armin T.

(57) Abstract :
A process of oxidizing an alcohol for the production of its corresponding carbonyl compounds is disclosed wherein the oxidation is performed with oxygen or gases containing oxygen in the presence of a catalyst comprising at least a gold compound and a copper compound. Said alcohol oxidation by gaseous oxidant can achieve a high yield and selectivity with minimized degradation products or waste organic solvents.

No. of Pages : 14 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037856 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : RESPIRATORY MASKS SYSTEMS AND METHODS

(51) International classification :A62B7/00,A62B9/00,A41D13/11
(31) Priority Document No :62/142992
(32) Priority Date :03/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2016/051898
Filing Date :04/04/2016
(87) International Publication No :WO 2016/157159
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)MACNEISH William Jack III
4)GRANT William Edwin John
5)NIEMAN Edwin Egge Hendrik
6)STRUTT Benjamin John
7)BASILE Roberto
8)BAKER James

(57) Abstract :
A user wearable device incorporates a respirator or breathing air filter in combination with an electronic system providing functionality to a wearing user. The functionality can include for example physiological data sensing environmental data sensing user input user output and communication network connectivity. The electronic system can be configured to communicate with an application executing on a user host device such as a mobile phone tablet or personal computer for transferring information gathered by the user wearable device. The application executing on the user host device can be used to configure the user wearable device. User host devices of multiple users can be configured to report gathered data to a data management system which can aggregate and store data and perform analysis on the aggregated data. Various control arrangements may be used.

No. of Pages : 60 No. of Claims : 97

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2017

(21) Application No.201717037858 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : AUTOMATIC APPARATUS FOR PUTTING STERILE GLOVES ON HANDS

(51) International classification :A61B42/10,A41D19/00
(31) Priority Document No :238458
(32) Priority Date :26/04/2015
(33) Name of priority country :Israel
(86) International Application No :PCT/IL2016/050437
Filing Date :25/04/2016
(87) International Publication No :WO 2016/174672
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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2)SARDEHELI Yomtov

(57) Abstract :
A gloving apparatus that comprises a glove box a glove lifting device a glove opening device and a glove inflating device. The glove box is designed to contain gloves. The glove lifting device is designed to lift gloves one at a time from the glove box and insert the glove opening over said glove opening device. The glove lifting device comprises a vertical rod with one or more fastening devices at the bottom end and vertical and horizontal activators. The glove opening device has four spreading fingers each of which can move horizontally and vertically using activators. The glove inflating device comprises a sealing ring an air tubule and an activator that can move the sealing ring back and forth.

No. of Pages : 14 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2017

(21) Application No.201717037859 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : STORAGE SYSTEM FOR GRAIN AND OTHER GRANULAR PRODUCTS MAINTAINING CARBONDIOXIDE AND LOW HUMIDITY LEVELS IN A SILO

(51) International classification :F26B9/06,F26B21/08
(31) Priority Document No :2015/04795
(32) Priority Date :20/04/2015
(33) Name of priority country :Turkey
(86) International Application No :PCT/TR2016/050107
Filing Date :11/04/2016
(87) International Publication No :WO 2016/171637
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)ERBAS Mustafa

(57) Abstract :
The invention relates to a silo (A) where the products are maintained such that physical chemical biological and technological properties of the products such as grain legume and oily seeds are protected; it consists of at least one cold centre (3) formed in order to control the humidity content inside said silo (A) and formed in order to keep the carbon dioxide formed by respiration inside the silo (A); and at least one porous air dispenser pipe system (5) which is connected to said cold centre (3) and which feeds the air therefrom with high carbon dioxide content but low humidity and oxygen content back to the silo (A) by dispensing it from the silo wall (12) or bottom through the silo (A).

No. of Pages : 9 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2017

(21) Application No.201717037891 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PREDICTING INFANT SLEEP PATTERNS AND DERIVING INFANT MODELS BASED ON OBSERVATIONS ASSOCIATED WITH INFANT

(51) International classification :A61B5/00
(31) Priority Document No :14/679013
(32) Priority Date :05/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/026065
Filing Date :05/04/2016
(87) International Publication No :WO 2016/195805
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)DEV Ratnakar
3)ROBBINS Thomas

(57) Abstract :
Provided are mechanisms and processes for more effectively monitoring infants to enhance caregiving and infant development. In one example a system includes a platform interface that receives measurement data transmitted from multiple infant monitoring systems. The multiple infant monitoring systems each include an infant monitoring device that gathers measurement data for an infant and an infant monitoring hub that processes the measurement data. The system also includes a platform processor that analyzes the measurement data to identify patterns including a first pattern of activity of infants associated with the multiple infant monitoring systems. The patterns of activity are associated with changes in the measurement data over time. The platform processor generates a model based on the patterns of activity. This model is used to predict an upcoming activity for a first infant that has expressed a first pattern of activity.

No. of Pages : 68 No. of Claims : 100

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2017
(21) Application No.201717037892 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : REMOTELY AGGREGATING AND ANALYZING MEASUREMENT DATA FROM MULTIPLE INFANT MONITORING SYSTEMS

(51) International classification :G09B19/00
(31) Priority Document No :14/679012
(32) Priority Date :05/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/026064
Filing Date :05/04/2016
(87) International Publication No :WO 2016/178772
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)ROBBINS Thomas

(57) Abstract :
Provided are mechanisms and processes for more effectively monitoring infants to enhance caregiving and infant development. In one example a platform receives measurement data from numerous infant monitoring systems corresponding to different infants in disparate locations and having different ages and developmental levels. Each of the infant monitoring systems includes an infant monitoring device and an infant monitoring hub. The platform analyzes the measurement data to generate a developmental model reflecting a range of characteristics corresponding to the numerous infants. The developmental model which is customizable for individual infants is sent to a first infant monitoring system.

No. of Pages : 64 No. of Claims : 80

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2017

(21) Application No.201717037894 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : OBJECT CONVEYANCE APPARATUS EXPOSURE APPARATUS FLAT PANEL DISPLAY PRODUCTION METHOD DEVICE PRODUCTION METHOD OBJECT CONVEYANCE METHOD AND EXPOSURE METHOD

(51) International classification	:G03F7/20,B65G49/06,H01L21/677
(31) Priority Document No	:2015069015
(32) Priority Date	:30/03/2015
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2016/060358
Filing Date	:30/03/2016
(87) International Publication No	:WO 2016/159062
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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3)YAMANAKA Takahiro

(57) Abstract :
This method for conveying a substrate (P) to a substrate holder (28) involves: using holding pads (84b) to hold a portion of the substrate (P) positioned above the substrate holder (28); and when the holding of another portion of the substrate (P) by a substrate loading hand (62) for holding the other portion of the substrate (P) positioned above the substrate holder (28) is released driving and controlling the holding pads (84b) holding the substrate (P) downwards such that the substrate (P) is supported on a support surface of the substrate holder (28). As a result the substrate can be swiftly conveyed to the substrate holder.

No. of Pages : 67 No. of Claims : 60

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2017

(21) Application No.201717037904 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PROCESSING DATABASE TRANSACTIONS IN A DISTRIBUTED COMPUTING SYSTEM

(51) International classification :G06F17/30
(31) Priority Document No :62/141388
(32) Priority Date :01/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/023554
Filing Date :22/03/2016
(87) International Publication No :WO 2016/160416
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)STANFILL Craig W.

(57) Abstract :
Processing transactions in a distributed computing system (102) that includes multiple processing modules (110) includes: storing data items in a data storage system (112) accessible to multiple processes running in the distributed computing system where the data items are totally ordered according to an ordering rule and at least some of the processes are running on different processing modules; and processing transactions using a plurality of the multiple processes. Processing a transaction using one of the plurality of the multiple processes includes: receiving a set of requests for accessing data items stored in the data storage system (where the requests are in a first order) obtaining locks on the data items sequentially in the first order if each of the locks is obtained within a first time interval and if any of the locks is not obtained within the first time interval restarting the transaction being processed.

No. of Pages : 23 No. of Claims : 50

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2017

(21) Application No.201717037905 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHODS AND SYSTEMS FOR USE IN MONITORING THE OPERATIONS OF A BUSINESS

(51) International classification :G06Q10/00,G06Q90/00
(31) Priority Document No :2015901618
(32) Priority Date :06/05/2015
(33) Name of priority country :Australia
(86) International Application No :PCT/AU2016/050196
Filing Date :18/03/2016
(87) International Publication No :WO 2016/176719
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
Systems and methods for monitoring the operation of a business are described the methods including the steps of: receiving operational data from a number of businesses the operational data being derived from the businesses use of software programs; calculating at least one individual performance indicator based on the operational data for the business; calculating at least one group performance indicator based on the operational data for a number of businesses; and comparing the individual performance indicator with the group performance indicator.

No. of Pages : 6 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717039894 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : RUST CONVERTER COMPOSITION FOR PRODUCING SAME AND PRODUCTION METHOD

(51) International classification :C09D5/12
(31) Priority Document No :a 2015 03937
(32) Priority Date :24/04/2015
(33) Name of priority country :Ukraine
(86) International Application No :PCT/UA2016/000047
Filing Date :20/04/2016
(87) International Publication No :WO 2016/171641
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
A rust converter includes a tanning extract oxalic acid a source of silver and water. The source of silver consists of silver nitrate and the rust converter additionally contains oxyethylene diphosphonic acid (I) having the following component ratio by mass%: tanning extract: 6.80 12.70; oxalic acid: 3.80 7.72; silver nitrate: 0.01 0.10; oxyethylene diphosphonic acid (I): 0.15 0.67; water or water with alcohol: the remainder.

No. of Pages : 11 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717039899 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : HISTONE DEACETYLASE INHIBITORS AND COMPOSITIONS AND METHODS OF USE THEREOF

(51) International classification :A61K31/42,A61K31/425,A61K31/41
(31) Priority Document No :62/158379
(32) Priority Date :07/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/031329
Filing Date :06/05/2016
(87) International Publication No :WO 2016/179550
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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6)LUCKHURST Christopher A.
7)SAVILLE STONES Elizabeth A.
8)STOTT Andrew J.
9)VAN DE PO‹L Amanda
10)WALL Michael
11)WISHART Grant

(57) Abstract :
Provided are certain histone deacetylase (HDAC) inhibitors of Formula (I), compositions thereof, and methods of their use.

No. of Pages : 70 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717039900 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : HISTONE DEACETYLASE INHIBITORS AND COMPOSITIONS AND METHODS OF USE THEREOF

(51) International classification :A61K31/42,A61K31/425,A61K31/41
(31) Priority Document No :62/158363
(32) Priority Date :07/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/031335
Filing Date :06/05/2016
(87) International Publication No :WO 2016/179554
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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8)WISHART Grant
9)WALL Michael
10)BRECCIA Perla
11)JARVIS Rebecca E.

(57) Abstract :
Provided are certain histone deacetylase (HDAC) inhibitors of Formula (I) compositions thereof and methods of their use.

No. of Pages : 102 No. of Claims : 48

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717039909 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : NEEDLELESS INJECTION DEVICE EQUIPPED WITH AN IMPROVED SEALING MEMBRANE

(51) International classification :A61M5/20,A61M5/30
(31) Priority Document No :15/56163
(32) Priority Date :30/06/2015
(33) Name of priority country :France
(86) International Application No :PCT/FR2016/051657
Filing Date :30/06/2016
(87) International Publication No :WO 2017/001796
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)STEINBERGER Robin

(57) Abstract :
The invention concerns a needleless injection device (10) including a body(12) forming a housing (44) which is delimited by a tubular wall (46) and which extends axially from an upper radial seat (48), a gas generator (16), a tubular reservoir (24) which encloses an active ingredient (26) and which extends axially in said housing (44) from an upper end forming an upper collar (40) to a lower end (36), a generally T-shaped elastically deformable diaphragm (50), which comprises a radial annular disc (52) which is axially interposed between the upper collar (40) of the reservoir (24) and said seat (48), and a tubular portion (54) which extends axially in the reservoir (24), characterized in that it includes an annular washer (64) which is axially interposed between the annular disc (52) of the diaphragm (50) and the upper collar (40) of the reservoir (24).

No. of Pages : 11 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717039910 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DEVICE FOR MANUFACTURING FORGED CRANKSHAFT

(51) International classification :B21K1/08,F16C3/08
(31) Priority Document No :2015098704
(32) Priority Date :14/05/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/064308
Filing Date :13/05/2016
(87) International Publication No :WO 2016/182065
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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7)OKUBO Junichi

(57) Abstract :
A device for manufacturing a forged crankshaft is provided with upper and lower pair of molds (10) and a first tool (20). The molds (10) perform processing for deforming first excessively thick parts (Aaa, Aba) and increasing the thickness of both side parts in the vicinity of a rough pin part (P) for a rough crank arm part (A). The first tool (20) is accommodated in an opening part (10b) of the molds (10) and comes into contact with the surface except for a region on both side parts in the vicinity of a rough pin part (P) in the surface on a rough journal part (J) side of the rough crank arm part (A). The molds (10) and the first tool (20) each have a first guide part for guiding the first tool (20) from a retracted position to a contact position. At least one of the upper surface (20b) and the lower surface (20c) of the first tool (20) is provided with the first guide part.

No. of Pages : 34 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717039921 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DUAL MOTION SLOPED FLOOR RECLINE MECHANISM FOR A THEATER

(51) International classification	:A47C1/121,A47C1/02,A47C1/022
(31) Priority Document No	:62/161837
(32) Priority Date	:14/05/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/032758 :16/05/2016
(87) International Publication No	:WO 2016/183587
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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3)SIMONS Stephen

(57) Abstract :
Provided is a dual motion recline mechanism for a seating assembling and seating assembly including the same. The seating assembly provides a user with the ability to both tilt the seat member so as to save space and the comfort of a back member capable of reclining. The recline mechanism includes a seat frame carrier assembly a seat pivot pin a seat carrier chassis plate a rear pivot link a chassis mounting plate a back frame assembly and a linear actuator connected by various pivotal sliding or fixed connections. The linear actuator is remotely situated including for example behind the back frame assembly or under an arm rest. Optional elements include a seat front guide block a seat front guide rod back frame guide block and a back guide pin. The seating assembly may be a theater seat. The seating assembly may be mounted on a flat or sloped surface.

No. of Pages : 17 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2017

(21) Application No.201717037930 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DISPLAY DEVICE

(51) International classification :G09F9/00,G06F3/041
(31) Priority Document No :2015099951
(32) Priority Date :15/05/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/000559
Filing Date :03/02/2016
(87) International Publication No :WO 2016/185639
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)HARASHIMA Katsumi
3)IWAMOTO Takahiro

(57) Abstract :
A display device (1) according to the present invention is provided with a front case having a touch panel and a rear case 20 having a lock part for restricting the movement of the front case and a display (26). A projection formed in the periphery of the front case is inserted into a guide groove (212) formed in the outer edge of the rear case so that the front case comes in contact with the rear case (20). Thereafter the front case is moved along the guide groove (212) so that the projection engages with the guide groove (212). The front case is attached to the rear case (20) by restricting the movement of the front case with the lock part provided on the rear case (20) shifted from a first position to a second position different from the first position.

No. of Pages : 18 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2017

(21) Application No.201717037931 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : A DEVICE SYSTEM AND METHOD FOR THE CONTINUOUS PROCESSING AND SEPARATION OF BIOLOGICAL FLUIDS INTO COMPONENTS

(51) International classification :B04B5/04,A61M1/36,A61M1/02
(31) Priority Document No :00627/15
(32) Priority Date :07/05/2015
(33) Name of priority country :Switzerland
(86) International Application No :PCT/IB2016/050107
Filing Date :11/01/2016
(87) International Publication No :WO 2016/178100
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)CAMISANI Julien Pierre
2)SUBLET Yannick Andr
3)SABAT Pau Mato

(57) Abstract :
A device for the processing and separation of biological fluids into components comprises a hollow centrifugal processing chamber (10) fitted with an inlet/outlet head (20) and preferably with an axially movable piston (18). The inlet/outlet head has two separate inlets/outlets for instance an axial inlet (29) and a lateral outlet (40). The processing chamber (1) is fitted with an internal flow guide (30) enabling operation of the device in a continuous processing mode wherein biological fluid to be processed is continuously intaken by say the axial inlet (29) and at the same time processed components are continuously removed via say the lateral outlet (40). The continuous processing flow can be driven by an external peristaltic pump (59) and/or by axial displacement of a piston (18) in the chamber (10).

No. of Pages : 18 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2017

(21) Application No.201717037932 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : 3 (5 CHLORO 2 OXO 2 3 DIHYDRO 1 3 BENZOTHIAZOL 3 YL) PROPANOIC ACID DERIVATIVES AND THEIR USE AS KMO INHIBITORS

(51) International classification	:C07D417/12,A61K31/4439,A61K31/501
(31) Priority Document No	:1508857.8
(32) Priority Date	:22/05/2015
(33) Name of priority country	:U.K.
(86) International Application No Filing Date	:PCT/EP2016/061174 :19/05/2016
(87) International Publication No	:WO 2016/188828
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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1)BOUILLOT Anne Marie Jeanne
2)DENIS Alexis
3)LIDDLE John
4)WALKER Ann Louise

(57) Abstract :
Compounds of formula (I) wherein: R is heteroaryl optionally substituted by methyl ethyl halo or =O; and R is H methyl or ethyl. and salts thereof are KMO inhibitors and may be useful in the treatment of various disorders for example acute pancreatitis chronic kidney disease acute kidney disease acute kidney injury other conditions associated with systemic inflammatory response syndrome (SIRS) Huntington s disease Alzheimer s disease spinocerebellar ataxias Parkinson s disease AIDS dementia complex HIV infection amylotrophic lateral sclerosis (ALS) depression schizophrenia sepsis cardiovascular shock severe trauma acute lung injury acute respiratory distress syndrome acute cholecystitis severe burns pneumonia extensive surgical procedures ischemic bowel disease severe acute hepatic disease severe acute hepatic encephalopathy or acute renal failure.

No. of Pages : 51 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2017

(21) Application No.201717037933 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : COMPOSITIONS AND METHODS FOR CORRECTING LIMB GIRDLE MUSCULAR DYSTROPHY TYPE 2C USING EXON SKIPPING

(51) International classification	:C07H21/00,C12N15/11,C12N15/113
(31) Priority Document No	:62/144712
(32) Priority Date	:08/04/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/026477 :07/04/2016
(87) International Publication No	:WO 2016/164602
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)NORTHWESTERN UNIVERSITY
(72)**Name of Inventor :**
1)MCNALLY Elizabeth
2)WYATT Eugene

(57) Abstract :
The invention is directed to one or more antisense polynucleotides and their use in pharmaceutical compositions in a strategy to induce exon skipping in the sarcoglycan gene in patients suffering from Limb Girdle Muscular Dystrophy 2C (LGMD2C) or in patients at risk of such a disease. The invention also provides methods of preventing or treating muscular dystrophy e.g. LGMD2C by exon skipping in the gamma sarcoglycan gene using antisense polynucleotides. Accordingly in some aspects the invention provides an isolated antisense oligonucleotide wherein the oligonucleotide specifically hybridizes to an exon target region of a sarcoglycan RNA. In another aspect the the invention provides a method of inducing exon skipping of a gamma sarcoglycan RNA comprising delivering an antisense oligonucleotide or a composition to a cell.

No. of Pages : 48 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040159 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD FOR PREPARING THE SILICOALUMINATE FORM OF THE AEI ZEOLITE STRUCTURE WITH HIGH YIELDS AND ITS APPLICATION IN CATALYSIS

(51) International classification :C01B39/48,B01J29/70,B01J29/72
(31) Priority Document No :P 201530514
(32) Priority Date :16/04/2015
(33) Name of priority country :Spain
(86) International Application No :PCT/EP2016/058275
Filing Date :14/04/2016
(87) International Publication No :WO 2016/166245
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)UNIVERSITAT POLITˆCNICA DE VALˆNCIA
(72)**Name of Inventor :**
1)CORMA CANS Avelino
2)MOLINER MAR • N Manuel
3)MART • N GARC • A Nuria

(57) Abstract :
The present invention relates to a new process for synthesising the silicoaluminate form of the AEI zeolite structure based on the use of another zeolite zeolite Y as the only source of silicon and aluminum in order to obtain high synthesis yields (greater than 80%) in the absence of any other source of silicon phosphine derivedcationsand fluoride anions in the synthesis medium. The N N dimethyl 3 5 dimethylpiperidinium cation may be used as the OSDA and the FAU crystal structure is transformed into the AEI crystal structure with high yields. It also discloses the preparation of catalysts based on the silicoaluminateform of the AEI crystal structure wherein Cu atoms have been introduced and the subsequent application thereof as a catalyst preferably in the SCR of NOx.

No. of Pages : 16 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040160 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : CO PREPARATION OF POLYETHERAMINES AND ALKYLENE AMINES

(51) International classification :C07C213/02,C07C217/42,C08G18/50
(31) Priority Document No :62/277522
(32) Priority Date :12/01/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/064052
Filing Date :30/11/2016
(87) International Publication No :WO 2017/123333
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)KLEIN Howard P.
3)LEWIS David C.

(57) Abstract :
The present disclosure provides a process for the co-preparation of a polyetheramine and an alkylene amine mixture by aminating a liquid polyol initiator mixture comprising an alkoxylated alcohol and a solid high melting polyol. The polyetheramine and alkylene amine mixture may be used in a variety of applications, such as a curing agent for epoxy resin formulations or as a raw material in the synthesis of polyurea.

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040161 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SECURITY ELEMENT HAVING A COLOR SHIFTING EFFECT

(51) International classification	:B42D25/355,B42D25/373,B42D25/378
(31) Priority Document No	:A 341/2015
(32) Priority Date	:29/05/2015
(33) Name of priority country	:Austria
(86) International Application No Filing Date	:PCT/EP2016/000615 :14/04/2016
(87) International Publication No	:WO 2016/192828
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)MAYRHOFER Marco

(57) Abstract :
The invention relates to a security element for banknotes value documents and data carriers comprising a carrier substrate and a coating which has a color shifting effect characterized in that the coating has at least two possibly repeating regions having different color shifting effects wherein the regions are matched to each other in such a way that when the angle of observation is continuously changed the original color of the first region appears first in the region adjacent to said first region or in the region spaced from said first region or in a region at least partially overlapping with said first region and when the angle of observation is changed further appears in the further adjacent spaced or overlapping regions.

No. of Pages : 14 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040162 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PIEZOELECTRIC JETTING SYSTEM AND METHOD WITH AMPLIFICATION MECHANISM

(51) International classification :B05C5/02
(31) Priority Document No :62/165244
(32) Priority Date :22/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/033593
Filing Date :20/05/2016
(87) International Publication No :WO 2016/191297
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)TEECE Bryan
3)BITTNER Doug

(57) Abstract :
A jetting dispenser includes an actuator with a piezoelectric unit that lengthens by a first distance in response to an applied voltage and an amplifier operatively coupled to the piezoelectric unit. The amplifier includes first and second ends and the second end moves through a second distance larger than the first distance under the applied voltage. First and second springs are positioned on opposite sides of the piezoelectric unit. The springs are coupled to the piezoelectric unit in a manner that maintains the piezoelectric unit under constant compression. A fluid body includes a movable shaft operatively coupled with the second end of the amplifier and includes a fluid bore and an outlet orifice. The movable shaft is moved by the second end of the amplifier under the applied voltage and jets an amount of fluid from the fluid bore through the outlet orifice.

No. of Pages : 13 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040163 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : COOLING PLASMA TORCH NOZZLES AND RELATED SYSTEMS AND METHODS

(51) International classification :H05H1/28,H05H1/34
(31) Priority Document No :62/172589
(32) Priority Date :08/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/036463
Filing Date :08/06/2016
(87) International Publication No :WO 2016/200953
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)DUNBAR Steve

(57) Abstract :
In some aspects, nozzles for a plasma arc torch can include a first body having a first end, a second end, and a longitudinal axis; and a second body disposed about a portion of the first body to complement the first body, the second body defining a set of channels formed on an internal surface shaped to form a set of liquid flow passages between the first body and the second body, the second body at least partially defining at least one inlet and at least one outlet to the set of liquid flow passages

No. of Pages : 13 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2017

(21) Application No.201717037934 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ELECTROMOTIVE POWER GENERATOR DEVICE

(51) International classification :H02P27/06,B60L9/18,H02P9/04
(31) Priority Document No :2015078197
(32) Priority Date :07/04/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/061400
Filing Date :07/04/2016
(87) International Publication No:WO 2016/163458
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
In the present invention windings (7U 7W) are provided with respective intermediate taps (8U 8W) so as to allow a rotating electrical machine (4) of an electromotive power generator device (1) to vary actual turn count by phase. A drive circuit (5) has a plurality of inverter circuits (5a 5b) that are connected to the windings (7U 7W) and by executing an inverter operation a control means (6) alters actual turn count by phase. Consequently actual turn count can be rapidly increased/decreased by phase and as a result the output of an electrical motor or of a power generator can be rapidly altered and the action of the rotating electrical machine (4) can be rapidly switched between the electrical motor and the power generator. Thus the fuel consumption reduction effects of the electromotive power generator device (1) can be improved.

No. of Pages : 21 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2017

(21) Application No.201717037935 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : AGROCHEMICAL EMULSIONS

(51) International classification :A01N25/02,A01N25/30,A01N43/40
(31) Priority Document No :62/160305
(32) Priority Date :12/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/031438
Filing Date :09/05/2016
(87) International Publication No :WO 2016/182991
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)SECREST Matthew Eric

(57) Abstract :
Agrochemical emulsion type concentrates and diluted concentrate formulations. In particular oil in water emulsion concentrates having an oil phase with oil soluble active continuous water phase with an optional water soluble active and a combination of a optionally acyl terminated alkoxylated polyol or polyamine surfactant emulsifier and a high HLB co surfactant. Use of said surfactant emulsifier for oil in water agrochemical emulsion concentrates is found to provide for stable emulsion concentrates over time and under varying storage temperatures.

No. of Pages : 29 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2017

(21) Application No.201717037936 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : A CURING AGENT FOR THERMOSETTING EPOXY RESINS AND A PROCESS FOR THE PREPARATION OF INSULATION SYSTEMS FOR ELECTRICAL ENGINEERING

(51) International classification	:C08G59/50,C08G59/56,C08G59/18
(31) Priority Document No	:15168065.9
(32) Priority Date	:19/05/2015
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2016/060558 :11/05/2016
(87) International Publication No	:WO 2016/184749
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)COLLIARD Sophie
3)SCHOENENBERGER Catherine

(57) Abstract :
A curing agent for thermosetting epoxy resins comprising (a) at least one aromatic amine containing at least two amino groups and (b) at least one clathrate compound obtained by reacting a tetrakisphenol of the formula (1) or a 9 9 Bis(4 hydroxyphenyl)fluorene of formula (2) as the host molecule and an imidazole or an imidazolium derivative as the guest molecule wherein R R R R R R R R and R are each independently of one another hydrogen halogen C Calkyl C Calkoxy or phenyl which is unsubstituted or substituted by C Calkyl C Calkoxy or halogen R R R and R are each independently of one another hydrogen halogen C Calkyl or C Calkoxy and n is the number 0 1 2 or 3 can advantageously be used for the curing of epoxy resins. The thermosetting epoxy resin compositions obtained are distinguished by a good pot life and a high reactivity and can advantageously be used for the manufacturing of insulation encased articles for electrical applications which exhibit good mechanical electrical and dielectrical properties.

No. of Pages : 26 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2017

(21) Application No.201717037937 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PROCESSING SYSTEM FOR RECOVERING HEAT AND A METHOD FOR OPERATING SAME

(51) International classification :F24J2/07,F28D20/00
(31) Priority Document No :00487/15
(32) Priority Date :08/04/2015
(33) Name of priority country :Switzerland
(86) International Application No :PCT/IB2016/052000
Filing Date :08/04/2016
(87) International Publication No :WO 2016/162839
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)PEDRETTI RODI Andrea

(57) Abstract :
The invention relates to a processing system comprising a processing unit (1 60 100) that can be operated between an upper (To) and a lower (Tu) temperature. A first heat accumulator (3 61) and a second heat accumulator (4 62) are operationally interconnected by means of a line arrangement (L) for a heat transporting medium said processing unit (1 60 100) being arranged in a first section (I) of said line arrangement (L) between the first (3 61) and the second heat accumulator (4 62).

No. of Pages : 30 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717039923 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : MOTOR DRIVEN SLOPED FLOOR RECLINE MECHANISM FOR A THEATER SEAT

(51) International classification :A47C1/12,A47C1/02,A47C1/022
(31) Priority Document No :62/161876
(32) Priority Date :14/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/032585
Filing Date :14/05/2016
(87) International Publication No :WO 2016/183543
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
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2)JOHNSON Terry D.
3)SIMONS Stephen

(57) Abstract :
Described is recline mechanism for a comfort seating assembly such as a theater seat which can be mounted on a sloped surface. In a fully recline position the seating assembly is compact with a layout that falls generally within its profile. The recline mechanism includes a pair of each of: seat rail brackets front pivot links rear pivot upper lift link to control the motion of the rear end of the assembly rear pivot links each attached to one rear pivot upper lift link carrier links each carrier link attached to one front pivot link and to a rear pivot link and a pair of rear pivot upper lift control links attached to a pivot upper lift link and to a carrier link. A linear actuator attached by motor drive tubes at two ends of the linkage system transitions the recline mechanism between the closed and recline positions.

No. of Pages : 17 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717039943 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : [BIS(TRIHYDROCARBYLSILYL)AMINOSILYL] FUNCTIONALIZED STYRENE AND A METHOD FOR ITS PREPARATION

(51) International classification	:C08F12/26,C08F212/14,C08F230/08
(31) Priority Document No	:15461526.4
(32) Priority Date	:10/04/2015
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2016/057735 :08/04/2016
(87) International Publication No	:WO 2016/162473
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)KOWNACKI Ireneusz
3)MARCINIEC Bogdan

(57) Abstract :
The invention relates to [bis(trmydrocarbylsilyl)aminosilyl]-functionalized styrene and a method for its preparation. The invention further relates to the use of the styrene derivative in the preparation of a copolymer thereof. [

No. of Pages : 19 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717039944 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ELASTOMERIC COPOLYMERS BASED ON [BIS(TRIHYDROCARBYLSILYL)AMINOSILYL] FUNCTIONALIZED STYRENE AND THEIR USE IN THE PREPARATION OF RUBBERS

(51) International classification :C08L9/06,C07F7/10,C08F236/10
(31) Priority Document No :15461525.6
(32) Priority Date :10/04/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/057834
Filing Date :08/04/2016
(87) International Publication No :WO 2016/162528
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)ROGOZA Jaroslaw
3)KOZAK Radoslaw
4)WEDA Pawel
5)ROBAK Barbara

(57) Abstract :
The present invention relates to the use of specific styrene derivatives in the production of an elastomeric copolymer. The invention further relates to a method for producing an elastomeric copolymer and an elastic copolymer. Moreover the invention relates to a method for preparing a rubber comprising vulcanizing the elastomeric copolymer and a rubber as obtainable according to the method. Further the invention relates to a rubber composition a tire component comprising the rubber composition and a tire comprising the tire component.

No. of Pages : 37 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717039945 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : INITIATORS FOR THE COPOLYMERISATION OF DIENE MONOMERS AND VINYL AROMATIC MONOMERS

(51) International classification	:C08F136/04,C08L9/00,C08L15/00
(31) Priority Document No	:15461524.9
(32) Priority Date	:10/04/2015
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2016/057757 :08/04/2016
(87) International Publication No	:WO 2016/162482
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)JANOWSKI Bartlomiej
2)KOZAK Radoslaw
3)WEDA Pawel
4)ROBAK Barbara

(57) Abstract :
The invention relates to the use of an alkali metal salt derivative of a specific vinyl aromatic monomer as an initiator for the copolymerisation of i) one or more conjugated diene monomers and ii) one or more vinyl aromatic monomers. Furthermore the invention relates to a process for the preparation of a copolymer component comprising coupled copolymer and terminally modified copolymer and to the copolymer component. Also the invention relates to a method for preparing a rubber and to the rubber. Moreover the invention relates to a rubber composition comprising the rubber. Finally the invention relates to a tire component comprising the rubber and to a tire comprising the tire component.

No. of Pages : 35 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717039946 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : APPARATUS FOR DEWATERING AND DEMINERALIZATION OF FINE PARTICLES

(51) International classification :B01F3/00,B01F3/12
(31) Priority Document No :62/146655
(32) Priority Date :13/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/027327
Filing Date :13/04/2016
(87) International Publication No :WO 2016/168325
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)YOON Roe Hoan
2)LUTTRELL Gerald
3)GUPTA Nikhil

(57) Abstract :
Hydrophobic particles such as coal and hydrophobized mineral fines can be readily separated from hydrophilic impurities by forming agglomerates in water using a hydrophobic liquids such as oil. The agglomerates of hydrophobic particles usually entrap large amounts of water causing the moisture of the recovered hydrophobic particles to be excessively high. This problem can be overcome by dispersing the hydrophobic agglomerates in a hydrophobic liquid that can be readily recycled. The dispersion can be achieved using specially designed apparatus and methods that can create a turbulence that can help destabilize the agglomerates in a recyclable hydrophobic liquid and facilitate the dispersion.

No. of Pages : 20 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/03/2016

(21) Application No.201611011115 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : HANDHELD DEVICE FOR MULTIPLE DISEASE DETECTION OFAPPLE LEAF AND METHOD THEREOF

(51) International classification	:A01G7/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)DR. GUPTA SHEIFALI
2)SINGH SWATI

(57) Abstract :
Present invention discloses a handheld device for multiple disease detection of apple leaf consisting an image capturing means (2), a processing means (4), trained database, specially developed algorithm and software (1) and a display unit (5). The device is capable of displaying the name of disease and its quantification value in terms of how much percentage of leaf is affected using LED/LCD display (5) which is a part of handheld device.

No. of Pages : 20 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/11/2017

(21) Application No.201717039804 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : AQUEOUS INKJET INKS

(51) International classification :C09D11/32,C09D11/50,B41M3/14
(31) Priority Document No :15168099.8
(32) Priority Date :19/05/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/061063
Filing Date :18/05/2016
(87) International Publication No :WO 2016/184878
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)LOCCUFIER Johan
2)GOETHALS Fabienne
3)VAN AERT Hubertus
4)KOKKELENBERG Dirk

(57) Abstract :
An aqueous inkjet ink for forming a colour upon heat treatment containing a) an immobilized leuco dye; b) a colour developing agent or colour developing agent precursor; and c) optionally an opthothermal converting agent; wherein the leuco dye is immobilized by being covalently bonded to polymeric particles or by being included in the core of capsules composed of a polymeric shell surrounding a core.

No. of Pages : 57 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/11/2017

(21) Application No.201717039805 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : LASER MARKABLE COMPOSITIONS ARTICLES AND DOCUMENTS

(51) International classification	:B41M5/30,B41M5/323,B41M5/333
(31) Priority Document No	:15168086.5
(32) Priority Date	:19/05/2015
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2016/061069 :18/05/2016
(87) International Publication No	:WO 2016/184881
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)GOETHALS Fabienne
2)LOCCUFIER Johan
3)KOKKELENBERG Dirk
4)PETTON Lionel

(57) Abstract :
A laser markable composition comprising (a) an aqueous medium; (b) capsules composed of a polymeric shell surrounding a core; (c) a colour developing agent or colour developing agent precursor; and (d) an optothermal converting agent; characterized in that the core of the capsule contains a leuco dye.

No. of Pages : 44 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/11/2017

(21) Application No.201717039807 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : APPARATUS FOR STACKING BATTERY PLATES

(51) International classification :H01M10/04,B65G57/32
(31) Priority Document No :1509811.4
(32) Priority Date :05/06/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2016/051652
Filing Date :03/06/2016
(87) International Publication No :WO 2016/193756
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)COX David

(57) Abstract :
The invention relates to an apparatus for stacking battery plates comprising a delivery conveyor for supplying battery plates sequentially along a delivery path. The delivery conveyor includes a plurality of spaced apart plate carriers each configured to support at least one battery plate in use the plate carriers defining a series of gaps between adjacent plate carriers wherein each gap is larger than the battery plate. The apparatus further includes a stop mechanism configured to selectively intercept the delivery path at a plurality of indexed stop positions without impeding the delivery conveyor; wherein when the stop mechanism intercepts the delivery path at a selected one of the stop positions in use it interrupts the movement of the battery plates on the delivery conveyor causing the battery plate(s) to move off the respective plate carrier and pass through the subsequent gap of the conveyor. The apparatus also includes a plate stacking mechanism for receiving battery plates as they are moved off the delivery conveyor by the stop mechanism.

No. of Pages : 16 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/11/2017

(21) Application No.201717039808 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : COMPACT COMPOSITE HANDRAILS WITH ENHANCED MECHANICAL PROPERTIES

(51) International classification :B32B3/04,B29C61/02,B32B27/08
(31) Priority Document No :62/158348
(32) Priority Date :07/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2016/050522
Filing Date :06/05/2016
(87) International Publication No :WO 2016/176778
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)KENNY Andrew Oliver
2)BUTWELL Reginald Anthony
3)WONG Jason

(57) Abstract :
A handrail includes a carcass a stretch inhibitor arranged within the carcass a cover bonded to the carcass and a sliding layer secured to the carcass. At a central width axis of the handrail a face height between an upper exterior surface of the cover and a bottom surface of the sliding layer may be less than about 8.0 mm. The carcass may be formed of a first thermoplastic material the cover may be formed of a second thermoplastic material and the first thermoplastic material may be harder than the second thermoplastic material. The first thermoplastic material may have a modulus at 100% elongation of between 10 and 16 MPa and may have a hardness of between 93 and 96 Shore A.

No. of Pages : 19 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040164 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : COIL PACKAGING SYSTEM

(51) International classification :B65B25/24,B65B11/04
(31) Priority Document No :15506991
(32) Priority Date :29/05/2015
(33) Name of priority country :Sweden
(86) International Application No :PCT/SE2016/050501
Filing Date :30/05/2016
(87) International Publication No :WO 2016/195578
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)TEGSTR–M Jonas
2)TOIVONEN Patrik
3)LINNA Ulla

(57) Abstract :
Disclosed is a coil packaging system (100). The system comprises a first robot arm (110) having a grappling portion (112) adapted to grip a wrapping material (114) a second robot arm (120) having a grappling portion (122) adapted to grip the wrapping material (114) and a coil rotating means (140) adapted to carry and rotate a coil (150) about a coil axis. The first robot arm (110) is movable along a first horizontal axis (A1) which in an operating position coincides with the coil axis while the second robot arm (120) is movable along a second horizontal axis (A2) the second horizontal axis (A2) being parallel to the first horizontal axis (A1) and along a third horizontal axis (A3) the third horizontal axis (A3) being perpendicular to the second horizontal axis (A2).

No. of Pages : 13 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017
(21) Application No.201717040165 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : HIGH DEFINITION AND EXTENDED DEPTH OF FIELD INTRAOCULAR LENS

(51) International classification :A61F2/16,G02C7/02
(31) Priority Document No :14/686233
(32) Priority Date :14/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/022063
Filing Date :11/03/2016
(87) International Publication No :WO 2016/167906
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)SIMMS James J.

(57) Abstract :
A virtual aperture integrated into an intraocular lens is disclosed. Optical rays which intersect the virtual aperture are widely scattered across the retina causing the light to be virtually prevented from reaching detectable levels on the retina. The use of the virtual aperture helps remove monochromatic and chromatic aberrations yielding high definition retinal images. For a given definition of acceptable vision the depth of field is increased over a larger diameter optical zone. In addition thinner intraocular lenses can be produced since the optical zone can have a smaller diameter. This in turn allows smaller corneal incisions and easier implantation surgery.

No. of Pages : 13 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040166 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ACCESS AND DRIVING AUTHORIZATION SYSTEM WITH IMPROVED SECURITY AGAINST RELAY ATTACKS DIRECTED TO THE TRANSPONDER INTERFACE

(51) International classification :B60R25/24
(31) Priority Document No :10 2015 107 640.3
(32) Priority Date :15/05/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2016/060547
Filing Date :11/05/2016
(87) International Publication No :WO 2016/184747
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)WEGHAUS Ludger

(57) Abstract :
The invention relates to an authentication element (1) in particular keyless go element for a vehicle (20) comprising a transponder interface (2) for transmitting an authentication signal and for receiving power and data and a key device (4) for detecting a user input the authentication element (1) being designed such that authentication signals are transmitted via the transponder interface (2) when the key device (4) detects a user input. The invention further relates to an authorization system (30) for vehicles comprising at least one authentication element (1) and a device (10) and to a method for verifying an authorization request in an authentication element (1) of a vehicle having said authorization system (30).

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040167 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : GEL WIPE COMPOSITION COMPRISING A SUPERABSORBENT GEL FIBER

(51) International classification :A61Q1/14,A61Q19/10,A61K8/02
(31) Priority Document No :14/741851
(32) Priority Date :17/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/031406
Filing Date :09/05/2016
(87) International Publication No :WO 2016/204880
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)EKMAN GUNN Euen
3)POCCIA John F. III

(57) Abstract :
A fibrous gel-wipe, methods making the gel-wipe and methods of using the gel-wipe, suitable for use in personal care and household cleansing applications, which gel-wipe includes a superabsorbent gel fiber and a liquid cleansing composition.

No. of Pages : 29 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040178 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PLANT CULTIVATION DEVICE

(51) International classification :A01G27/00
(31) Priority Document No :PCT/JP2015/002466
(32) Priority Date :15/05/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/001344
Filing Date :10/03/2016
(87) International Publication No :WO 2016/185646
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)NATUREDYNE INC.
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(72)**Name of Inventor :**
1)NAKAJIMA Keiichi

(57) Abstract :
The present invention is a plant cultivation device (99) that is provided with a cultivation tank (19) that is for growing a plant with a water tank (30) and with a heat collecting part (56). The water tank (30) supplies cultivation water to the cultivation tank (19) via an irrigation conduit (38). The water tank (30) also suctions cultivation water from the cultivation tank (19) via a water sucking pipe (36). The heat collecting part (56) has an air storage part (57) that communicates with an upper section of the water tank (30). The heat collecting part (56) receives sunlight (93) and the pressure of air that is heated inside the air storage part (57) presses the surface of the water inside the water tank (30). The water tank (30) supplies cultivation water that has been pressed by said air to a culture medium material (90) which is arranged inside the cultivation tank (19) from above via the irrigation conduit (38). The heat collecting part (56) raises the surface of the water inside the water tank (30) as a result of the heated air being cooled by a decrease in the sunlight (93). The water tank (30) suctions cultivation water from a bottom section (20) of the cultivation tank (19) via the water sucking pipe (36) in accordance with the cultivation water being raised.

No. of Pages : 44 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717039947 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : TREATMENT OF EXHAUST GASES FROM CEMENT CLINKER PRODUCTION

(51) International classification :B01D53/56,B01D53/86,C04B7/36
(31) Priority Document No :15001227.6
(32) Priority Date :24/04/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/000585
Filing Date :08/04/2016
(87) International Publication No :WO 2016/169638
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)FEDERHEN Stefan

(57) Abstract :
A method for the treatment of exhaust gases from the production of cement clinker in a rotary kiln, in which raw materials are ground in a mill to form raw meal, raw meal is preheated in a counterflow configuration in a preheater with exhaust gas from the rotary kiln and is optionally pre-calcinated, preheated and possibly pre-calcinated raw meal is supplied to the rotary kiln and is burned in the rotary kiln to form cement, the exhaust gas from the rotary kiln is, before entering the preheater, denitrogenized by way of selective non-catalytic nitrogen oxide reduction with a reagent which provides ammonia, and wherein, according to the invention, the exhaust gas from the preheater is subjected to gas conditioning and catalytic oxidation of ammonia. The object is furthermore achieved by way of a device for gas conditioning and catalytic oxidation, which device is arranged between preheater and mill.

No. of Pages : 13 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717039953 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : HERBICIDE TOLERANT MAIZE PLANT DBN9858 AND NUCLEOTIDE SEQUENCE AND METHOD FOR DETECTING SAME

(51) International classification :C12N15/11,C12N5/10,C12Q1/68
(31) Priority Document No :201510219911.8
(32) Priority Date :30/04/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/080542
Filing Date :28/04/2016
(87) International Publication No :WO 2016/173508
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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5)DING Derong
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7)WEI Xuesong
8)TANG Bo
9)XIA Zuling
10)XIONG Guanjun
11)XU Liang
12)BAO Xiaoming

(57) Abstract :
Provided are a nucleotide sequence for detecting a maize event DBN9858 existing in a biological sample and a detecting method therefor.

No. of Pages : 58 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717039957 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHODS AND NETWORK NODES FOR EVALUATING A CONNECTION

(51) International classification :H04W76/02
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/SE2015/050686
Filing Date :12/06/2015
(87) International Publication No :WO 2016/200305
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)MLLER Walter
2)JOHANSSON Stefan
3)AX‰N Rasmus
4)SVEDEVALL Sofia

(57) Abstract :
A method for evaluating a connection between a first network node and a User Equipment UE via a Second Cell is provided. The first network node serves a first cell. A sending of a first message is initiated (302). The first message is sent from the first network node to the UE via the second cell. The first message comprises a trigger for the UE to respond by sending a second message comprising feedback relating to the connection to the second cell. A time value difference between the sending of said first message and receiving (304) of said second message in the first network node is obtained (305). The second message comprises the feedback relating to the connection sent from the UE in response to the first message. Then it is evaluated (306) how the connection shall be used based on the obtained time value difference and the received feedback.

No. of Pages : 27 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717039959 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : CONTACTOR AND CONTACTOR SYSTEM

(51) International classification :H01H50/54
(31) Priority Document No :201510224939.0
(32) Priority Date :05/05/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2015/099753
Filing Date :30/12/2015
(87) International Publication No :WO 2016/177009
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)NAN Yin
2)WANG Congli
3)ZHANG Mingliang
4)MENG Lingqian

(57) Abstract :
A contactor and a contactor system are provided. The contactor comprises: a fixed contact; a movable contact capable of moving towards or away from the fixed contact; two arc ignition sheets for the movable contact, being positioned respectively at two sides opposite to each other of the movable contact in a first direction and fixed and electrically connected to the movable contact; two arc ignition sheets for the fixed contact, being positioned respectively at two sides opposite to each other of the fixed contact in the first direction and fixed and electrically connected to the fixed contact; and two arc-extinguishing chambers being arranged respectively on extension lines extending from the movable contact to the two arc ignition sheets for the movable contact in the first direction. According to an embodiment, the two arc ignition sheets for the movable contact form an incomplete encirclement for the movable contact and the incomplete encirclement has a gap in a direction substantially orthogonal to the first direction. According to another embodiment, the contractor comprises a contact support provided with a cavity therein, the movable contact and the fixed contact being arranged within the cavity.

No. of Pages : 14 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2017

(21) Application No.201717037943 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : GENERATOR OF ELECTRICAL CURRENT BY MOVEMENT AND INDUCTION BY MEANS OF PERMANENT MAGNETS AND RESONANT COILS

(51) International classification :H02K3/32,H02K17/42,H02P1/26
(31) Priority Document No :P201530398
(32) Priority Date :26/03/2015
(33) Name of priority country :Spain
(86) International Application No :PCT/ES2016/070089
Filing Date :16/02/2016
(87) International Publication No :WO 2016/151160
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)MORENO MAGDALENO Ana Maria

(57) Abstract :
The invention relates to a generator of electrical current by movement and induction by means of permanent magnets and resonant coils according to an envelope housing a circular solid element in the form of a rotor in which a variable magnetic flux is generated by incorporating thirty eight permanent and rectangular magnets arranged such that they are radially aligned on the outer periphery of said rotor and rotating inside a stator which has an annular shape and is hollow so as to carry out the cooling on the inside thereof containing seventy six idle coils which are regularly distributed and between which resonant capacitors and coils are alternated with non resonant coils arranged specifically three millimetres from the magnets from which electrical current is generated with a very high efficiency.

No. of Pages : 12 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2017

(21) Application No.201717037960 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ELECTRICAL MOTOR DEVICE

(51) International classification	:B60W10/08,B60W20/00,F02N11/04
(31) Priority Document No	:2015078198
(32) Priority Date	:07/04/2015
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2016/061401 :07/04/2016
(87) International Publication No	:WO 2016/163459
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
1)DENSO CORPORATION
Address of Applicant :1 1 Showa cho Kariya city Aichi 4488661 Japan
(72)**Name of Inventor :**
1)TERADA Kanechiyo

(57) Abstract :
An electrical motor device (1) that is provided with: a rotating electrical machine (4) that has three phase windings (7U 7W); a switch (S) that turns application of voltage to the windings (7U 7W) on and off; a control means (6) that gives instructions to the switch (S) and controls the action of the rotating electrical machine (4); and a rotational speed detection means (12) that detects the rotational speed of an internal combustion engine (3). The control means (6) has a three phase mode that applies voltage to the three phase windings (7U 7W) in three states sequentially and a two phase mode that alternates between two states selected from among the three states. The control means (6) has a first threshold value (C0) for the rotational speed of the internal combustion engine (3) and uses the two phase mode when the value detected by the rotational speed detection means (12) is greater than the first threshold value (C0).

No. of Pages : 29 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2017

(21) Application No.201717037962 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : FUEL CELL BASED CHARGER SYSTEM AND FUEL GENERATOR THEREFOR

(51) International classification :H01M8/065,C01B3/08
(31) Priority Document No :15505803
(32) Priority Date :07/05/2015
(33) Name of priority country :Sweden
(86) International Application No :PCT/EP2016/060058
Filing Date :04/05/2016
(87) International Publication No :WO 2016/177813
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)MYFC AB
Address of Applicant :Saltmtargatan 8A S 113 59 Stockholm Sweden
(72)**Name of Inventor :**
1)GLANTZ Michael
2)WESTERHOLM Bjrn
3)OLSSON Henrik
4)MCGEE Sean

(57) Abstract :
The invention relates to a fuel generator(12) for a fuel cell based charger system and a system containing a charger (10) and a fuel generator. The generator comprises a compartment (20) containing aluminium means (18 20 21 FW) for providing a solution of water and a water soluble compound capable of reacting with aluminium to generate hydrogen gas when dissolved in water and brought into contact with the aluminium and means (FS) for passing said solution into the compartment containing aluminium. The invention also provides a method of operating the system. It comprises providing a fuel generator and a hydrogen driven fuel cell based charger device having means for accommodating the generator. The generator and charger having a common interface cooperative for providing fluid communication between the generator and the charger. The system is primed by inserting the generator into the charger whereby the interface opens up fluid communication between selected parts of the system. A flow of reaction solution is initiated so as to bring it into contact with the aluminium whereby hydrogen begins to be produced the hydrogen is fed to the fuel cells in the fuel cell assembly whereby electricity is produced.

No. of Pages : 16 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2017

(21) Application No.201717037963 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : MOBILE ROUTER MOBILE NETWORK SYSTEM ELECTRONIC MONEY SETTLEMENT METHOD AND ELECTRONIC MONEY SETTLEMENT PROGRAM

(51) International classification	:G06Q20/36,G06Q20/40,H04M1/00
(31) Priority Document No	:2015140381
(32) Priority Date	:14/07/2015
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2016/056181
Filing Date	:01/03/2016
(87) International Publication No	:WO 2017/010118
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)NEC PLATFORMS LTD.
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(72)**Name of Inventor :**
1)YOSHIKAWA Masato

(57) Abstract :
Provided is a mobile network system that comprises a portable terminal and a mobile router which performs wireless communications with the portable terminal. The mobile router includes: a near field wireless communication unit that performs communications in order to perform processing relating to electronic money; a wireless communication unit for performing wireless communications with the portable terminal; and a storage unit that stores information of the portable terminal which communicates using the mobile router and information of portable terminals which can use electronic money. The portable terminal includes: a wireless communication unit for performing wireless communications with the mobile router; and a storage unit that stores information of the mobile router.

No. of Pages : 26 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/11/2017

(21) Application No.201717039811 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD AND APPARATUS FOR MULTIPATH MEDIA DELIVERY

(51) International classification :H04L12/707,H04L12/725
(31) Priority Document No :62/180404
(32) Priority Date :16/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/KR2016/006252
Filing Date :13/06/2016
(87) International Publication No :WO 2016/204468
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)SAMSUNG ELECTRONICS CO. LTD.
Address of Applicant :129 Samsung ro Yeongtong gu Suwon si Gyeonggi do 16677 Republic of Korea
(72)**Name of Inventor :**
1)KOLAN Prakash
2)BOUAZIZI Imed

(57) Abstract :
A method of operating a device for multipath data packet reception includes transmitting a message to a server and receiving the one or more data packets from the server through any combination of the two or more network access interfaces of the device during the multipath transmission session based on one or more characteristics of the two or more network access interfaces. The message comprises an identifier that corresponds to a multipath transmission session and that indicates a group of two or more network access interfaces of the device.

No. of Pages : 22 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/11/2017

(21) Application No.201717039812 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ELECTRONIC DEVICE AND PAGE MERGING METHOD THEREFOR

(51) International classification :G06F12/02,G06F11/14
(31) Priority Document No :1020150065112
(32) Priority Date :11/05/2015
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2016/004670
Filing Date :03/05/2016
(87) International Publication No :WO 2016/182255
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)SAMSUNG ELECTRONICS CO. LTD.
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(72)**Name of Inventor :**
1)KOO Jinkyu
2)KIM Hyunsik
3)HAN Chungsuk
4)MOON Sunho
5)HAN Sangbok

(57) Abstract :
Disclosed are an electronic device and a page merging method therefor. The electronic device according to the present invention comprises: a memory management unit for initializing a page and determining that the page is to be merged when the initialized value is a predetermined specific value; and a memory for merging a plurality of pages determined to be merged and storing the same. The electronic device as described above can determine whether to merge pages with a few calculations and efficiently manage the memory by merging pages according to the result of the determination.

No. of Pages : 17 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/11/2017

(21) Application No.201717039814 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : APPARATUS FOR EYE LASER SURGERY FOR PERFORMING A TRANSEPITHELIAL PHOTOREFRACTIVE KERATECTOMY

(51) International classification :A61F9/008
(31) Priority Document No :102015008127.6
(32) Priority Date :24/06/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/IB2016/052052
Filing Date :11/04/2016
(87) International Publication No :WO 2016/207739
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)GOOS Evi
2)WUELLNER Christian

(57) Abstract :
An apparatus for laser eye surgery comprises a laser module (12), which is equipped to emit pulsed, focused laser radiation of a variable pulse repetition rate, and a processor-based control unit (18), which is equipped to receive at least one user input pertaining to a selection of one of several predefined pulse repetition rates over a user input and to control the laser module in accordance with the at least one selected pulse repetition rate. In certain specific embodiments, the user interface enables input of two user entries, each of which relates to a selection of one of several predefined pulse repetition rates. The control unit controls the laser module for a first phase of a laser treatment in accordance with one of the two user inputs, and for a second phase of the laser treatment, it controls the laser module in accordance with the other one of the two user inputs. For example, such specific embodiments permit an epithelial tissue ablation to be performed at a different pulse repetition rate than a stromal tissue ablation as part of a transepithelial keratectomy on a human eye.

No. of Pages : 10 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/11/2017

(21) Application No.201717039815 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : EXPRESSION CONSTRUCTS AND METHODS OF GENETICALLY ENGINEERING METHYLOTROPHIC YEAST

(51) International classification :C07K14/39,C12N15/00,C12N15/81
(31) Priority Document No :62/159899
(32) Priority Date :11/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/031797
Filing Date :11/05/2016
(87) International Publication No :WO 2016/183163
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)SHANKAR Smita
2)HOYT Martin Andrew

(57) Abstract :
Methods and materials for genetically engineering methylotrophic yeast are provided.

No. of Pages : 47 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/11/2017

(21) Application No.201717039823 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ENHANCED POSITIONING REFERENCE SIGNAL PATTERNS FOR POSITIONING

(51) International classification :H04L5/00,H04W64/00
(31) Priority Document No :62/145784
(32) Priority Date :10/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/SE2016/050304
Filing Date :11/04/2016
(87) International Publication No :WO 2016/163943
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)BLANKENSHIP Yufei
2)WANG Meng

(57) Abstract :
Embodiments herein relate to method for transmitting positioning reference signals (PRSs) in a cell served by a base station. The base station maps PRSs onto different groups of time-frequency resources according to different respective PRS patterns, wherein each of the different groups spans one or more consecutive subframes in time. The base station transmits the PRSs in the cell in accordance with said mapping.

No. of Pages : 50 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2017

(21) Application No.201717037969 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD AND DEVICE FOR COMMUNICATING BETWEEN DEVICES IN MULTIMEDIA SYSTEM

(51) International classification :H04N21/436,H04N21/4402
(31) Priority Document No :1020150046455
(32) Priority Date :01/04/2015
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2016/003433
Filing Date :01/04/2016
(87) International Publication No :WO 2016/159727
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)SAMSUNG ELECTRONICS CO. LTD.
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(72)**Name of Inventor :**
1)RYU Young Sun

(57) Abstract :
The present invention relates to a method and device for transmitting/receiving information efficiently between devices in a multimedia system. A method of communicating between devices in a multimedia system according to an embodiment of the present invention includes the steps of: searching a second device for a first device to use a broadcast service or content; acquiring second information on at least one service terminal point for the first device to receive first information related to the broadcast service or the content from the second device; requesting by means of the first device the transmission of the first information related to the broadcast service or the content by using the second information; and receiving by means of the first device from the second device the first information as a response to the request.

No. of Pages : 21 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2017

(21) Application No.201717037970 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DEVICE FOR DRIVING THE LOWER LIMBS OF A PERSON IN DORSAL OR PARTIAL DECUBITUS COMBINED WITH DRIVING WALKING IN VERTICAL POSITION

(51) International classification :A61H1/02,A61N1/36
(31) Priority Document No :00470/15
(32) Priority Date :01/04/2015
(33) Name of priority country :Switzerland
(86) International Application No :PCT/IB2016/051673
Filing Date :24/03/2016
(87) International Publication No :WO 2016/157043
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)RB PATENTS SARL
Address of Applicant :Avenue des Chtaigniers 4 1844 Villeneuve Switzerland
(72)**Name of Inventor :**
1)BRODARD Roland

(57) Abstract :
The invention relates to a device for driving the lower limbs of a person comprising; a base frame (4); a table (2) supporting the person (1); at least one motorised mechanical orthosis arranged to constitute an interface with at least one of the lower limbs of said person (1) so that the movements of said lower limb and said orthosis are connected and identical said orthosis being attached to one end of said table (2); and a device for functional electrical stimulation and for measuring an electromyogram (24 25) comprising at least one pair of stimulation and measurement electrodes (28 29) intended for acting on a muscle or muscle group of said lower limb and for stimulating said muscle or muscle group as well as for measuring the reaction of said muscle or muscle group characterised in that the device also comprises a raising mechanism (3) which makes it possible to vary the vertical position of the table (2) relative to the base frame (4) between a low position in which the transfer and the installation of the person (1) are made easier intermediate working positions and a raised position making it possible to drive the person (1) in standing position and a mechanism for tilting said table (2) which makes it possible to vary the inclination of said table (2) relative to the base frame (4) in particular between a horizontal position in which the person (1) is positioned in dorsal decubitus and a vertical position in which the person (1) is in standing position the combination of the mechanisms for raising and tilting the table (2) allowing the mobility of said orthosis across the entire respective physiological ranges of movement of said lower limb.

No. of Pages : 23 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2017

(21) Application No.201717037971 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : CARDIAC ASSIST DEVICE

(51) International classification :A61M1/10
(31) Priority Document No :1505624.5
(32) Priority Date :01/04/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2016/050925
Filing Date :01/04/2016
(87) International Publication No :WO 2016/156866
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)PIYAL Samara Ratna

(57) Abstract :
A device for providing assistance to ventricular systole the device comprising a pressuriser and a driver wherein the pressuriser is adapted to be able to apply localised pressure to only the external wall of one ventricle or a portion thereof and the driver is operatively linked to the pressuriser so as to be able to drive a cycle of increased and decreased pressure applied by the pressuriser. The invention also relates to a method of implanting the device and a method of treating cardiac pump failure in which the device is used.

No. of Pages : 20 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717039968 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ELECTRICALLY CONDUCTIVE OXIDE SINTERED COMPACT, MEMBER FOR ELECTRICAL CONDUCTION, AND GAS SENSOR

(51) International classification	:C04B35/50,G01N27/409,H01B1/08
(31) Priority Document No	:2015097958
(32) Priority Date	:13/05/2015
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2016/001790 :28/03/2016
(87) International Publication No	:WO 2016/181598
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
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2)SATO Mina
3)OKIMURA Yasuyuki
4)OHBAYASHI Kazushige

(57) Abstract :
Provided is an electrically conductive oxide sintered compact that exhibits excellent electrical conductivity. The electrically conductive oxide sintered compact contains: a main phase which is formed from a perovskite type electrically conductive oxide that contains at least La, Fe and Ni; and a subsidiary phase which is formed from a La4M3O10 phase or La3M2O7 phase (here, M is Co, Fe or Ni).

No. of Pages : 28 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717039980 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : LOW-NOX COMBUSTION METHOD •

(51) International classification :F23L7/00,F23L15/02,C01B3/32
(31) Priority Document No :62/147786
(32) Priority Date :15/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/026864
Filing Date :11/04/2016
(87) International Publication No :WO 2016/168099
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)WU Kuang Tsai
2)KOBAYASHI Hisashi

(57) Abstract :
Disclosed is a combustion method in which heated flue gas heats a regenerator (100) through which a mixture of fuel and flue gas containing NOx is passed to undergo endothermic reactions that produce syngas and destroy NOx.

No. of Pages : 16 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717039982 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : TRICYCLIC COMPOUNDS AND THEIR USE AS PHOSPHODIESTERASE INHIBITORS

(51) International classification :C07D487/14,C07D471/14,C07D471/22
(31) Priority Document No :62/180815
(32) Priority Date :17/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2016/053398
Filing Date :09/06/2016
(87) International Publication No :WO 2016/203347
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)CHANDRASEKARAN Ramalakshmi Yegna
3)HELAL Christopher John
4)LACHAPELLE Erik Alphie
5)PATEL Nandini Chaturbhai
6)SCIABOLA Simone
7)VERHOEST Patrick Robert
8)WAGER Travis T.

(57) Abstract :
The present invention is directed to compounds of Formula I: or a pharmaceutically acceptable salt thereof, wherein the substituents A, R1, R2, R3a, R3b, R4a, R4b and n are as defined herein. The inventions also directed to pharmaceutical compositions comprising the compounds, methods of treatment using the compounds and methods of preparing the compounds.

No. of Pages : 188 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717039983 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD FOR PRODUCING LEVOGLUCOSENONE

(51) International classification :C07D493/08,C10B53/02
(31) Priority Document No :1506701.0
(32) Priority Date :20/04/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2016/051095
Filing Date :20/04/2016
(87) International Publication No :WO 2016/170329
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)CLARK James Hanley
2)DE BRUYN Mario
3)BUDARIN Vitaliy Lvovich

(57) Abstract :
There is described a method of producing (-)-levoglucosenone, said method comprising, heating lignin to a temperat ure in excess of 150°C for a time sufficient to convert a proportion of the lignin to (-)-evoglucosenone.

No. of Pages : 23 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017
(21) Application No.201717039984 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PROCESS FOR PRODUCING POLYETHYLENE COMPOSITION

(51) International classification :C08J3/00,C08L23/06
(31) Priority Document No :15168367.9
(32) Priority Date :20/05/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/060884
Filing Date :13/05/2016
(87) International Publication No :WO 2016/184812
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1),,,,RIL,, Jari
2)KELA Jarmo
3)JEREMIC Dusan

(57) Abstract :
The present invention is directed to a process for producing by extrusion a polymer composition and to a use of a polyethylene (PE) having SHI (2.7/210) of at least 10 (when measured as described above under Determination methods) for reducing the gel content of a polyethylene polymer produced in the presence of a coordination catalyst.

No. of Pages : 28 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717039985 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : POLYPROPYLENE CARBON FIBER COMPOSITE

(51) International classification :C08L23/12
(31) Priority Document No :15168961.9
(32) Priority Date :22/05/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/061384
Filing Date :20/05/2016
(87) International Publication No :WO 2016/188887
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)BORAGNO Luca
2)STOCKREITER Wolfgang
3)JERABEK Michael
4)GASTL Simon

(57) Abstract :
The present invention refers to a fiber reinforced polymer composition comprising a polypropylene carbon fibers and a polar modified polypropylene as coupling agent as well as to an article comprising the fiber reinforced polymer composition.

No. of Pages : 41 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717039986 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : FIBER REINFORCED POLYMER COMPOSITION

(51) International classification :C08L23/12
(31) Priority Document No :15168964.3
(32) Priority Date :22/05/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/061386
Filing Date :20/05/2016
(87) International Publication No :WO 2016/188888
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)JERABEK Michael
2)STOCKREITER Wolfgang
3)BORAGNO Luca
4)GASTL Simon

(57) Abstract :
The present invention refers to a fiber reinforced polymer composition comprising a polypropylene carbon fibers fibers other thancarbon fibers and a polar modified polypropylene as coupling agent as well as to an article comprising the fiber reinforced polymer composition.

No. of Pages : 48 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717039990 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD OF REGENERATING USED DENITRATION CATALYST

(51) International classification :B01J23/92,B01J23/28,B01J38/48
(31) Priority Document No :2015085472
(32) Priority Date :17/04/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/061893
Filing Date :13/04/2016
(87) International Publication No :WO 2016/167280
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)KAI Keiichiro
2)KATO Yasuyoshi
3)IMADA Naomi

(57) Abstract :
A used denitration catalyst is regenerated by means of a method in which a used denitration catalyst containing titanium oxide as the principal component is brought into contact with a suspension liquid of particles that contain manganese oxide and is then drained and subjected to a drying process. Further a used denitration catalyst is regenerated by means of a method in which the denitration catalyst from the drying process is further immersed in a solution containing a compound that includes at least one element selected from the group consisting of vanadium molybdenum and tungsten and then subjected to a drying process.

No. of Pages : 21 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040188 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : MALEATE SALTS OF A B RAF KINASE INHIBITOR CRYSTALLINE FORMS METHODS OF PREPARATION AND USES THEREFORE

(51) International classification	:C07D405/14,C07D471/04,A61K31/4184
(31) Priority Document No	:PCT/CN2015/076639
(32) Priority Date	:15/04/2015
(33) Name of priority country	:China
(86) International Application No Filing Date	:PCT/CN2016/079251 :14/04/2016
(87) International Publication No	:WO 2016/165626
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
1)BEIGENE LTD.
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(72)**Name of Inventor :**
1)ZHANG Guoliang

(57) Abstract :
The invention relates to 5- (((IR, laS, 6bR) -1- (6- (trifluoromethyl) -IH-benzo [d] imidazol-2-yl) -la,6b-dihydrolH- cyclopropa [b] benzofuran-5-yl) oxy) -3, 4-dihydro-l, 8-naphthyridin-2 (1H) -one (Compound 1) maleate salts, in particular the sesqui-maleate salt and its crystalline forms, methods of preparation, pharmaceutical compositions, and therapeutic uses for treat - ment of diseases or disorders mediated by BRAF or other kinases.

No. of Pages : 53 No. of Claims : 55

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040189 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : REQUIREMENTS DETERMINATION

(51) International classification :G06E1/00
(31) Priority Document No :62/147993
(32) Priority Date :15/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2016/000558
Filing Date :15/04/2016
(87) International Publication No :WO 2016/166598
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)AFFOURTIT Mathijs
(72)**Name of Inventor :**
1)DEKOEKKOEK Paul
2)AFFOURTIT Mathijs

(57) Abstract :
A method of determining a requirements characterization profile for an entity the method comprising the steps of: obtaining a predicted requirements characterisation profile for the entity the profile comprising at least one characteristic having an initial predicted significance value and an initial confidence level for the initial predicted significance value; selecting in dependence on the confidence level at least one characteristic; obtaining an input from an external entity in respect of the characteristic; and determining in dependence on the external input a revised predicted significance value of the characteristic.

No. of Pages : 24 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040190 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : MODIFIED INTERLEUKIN 7 PROTEIN AND USES THEREOF

(51) International classification	:C07K14/54,C07K19/00,A61K38/20
(31) Priority Document No	:1020150082793
(32) Priority Date	:11/06/2015
(33) Name of priority country	:Republic of Korea
(86) International Application No Filing Date	:PCT/KR2016/006214 :10/06/2016
(87) International Publication No	:WO 2016/200219
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
1)GENEXINE INC.
Address of Applicant :4F Bldg. B 700 Daewangpangyo ro Bundang gu Seongnam si Gyeonggi do 13488 Republic of Korea
(72)**Name of Inventor :**
1)YANG Se Hwan
2)CHOI Donghoon
3)LIM Hye Seong

(57) Abstract :
The present invention provides a modified interleukin 7 and a use thereof. The modified IL 7 or an IL 7 fusion protein of the present invention comprising the same can be obtained in high yield and biologically active in viral infection and cancer models. Therefore they can be used for the prevention and treatment of various diseases.

No. of Pages : 26 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040205 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : REMOVABLE ACTUATING CAP FOR USE WITH AN AUTO INJECTOR ASSEMBLY

(51) International classification :A61M5/20
(31) Priority Document No :62147958
(32) Priority Date :15/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/027597
Filing Date :14/04/2016
(87) International Publication No :WO 2016/190980
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)CARTER Mary
3)CHAGNON Jeffrey Thomas
4)CONSTANTINEAU Cole
5)STEPANIAN Chris
6)STANDLEY Adam
7)BUCHINE Brent

(57) Abstract :
A removable cap for use with an auto injector device whereupon removal of the cap triggers an actuating assembly that can cause an automatic mixing of medicament components in an auto injector device and/or place the auto injector in a state to be used.

No. of Pages : 13 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040211 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : POLYARYLENE SULFIDE DISPERSION FINE PARTICLES METHOD FOR PRODUCING POLYARYLENE SULFIDE DISPERSION AND METHOD FOR PRODUCING FINE PARTICLES

(51) International classification :C08J3/16,C08J3/02,C08J3/12
(31) Priority Document No :2015100052
(32) Priority Date :15/05/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/062352
Filing Date :19/04/2016
(87) International Publication No :WO 2016/185856
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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3)NARA Saori
4)OTA Katsumi
5)NAKAMURA Takamitsu

(57) Abstract :
To provide a polyarylene sulfide dispersion which exhibits high dispersion stability even if the polyarylene sulfide resin concentration is high and wherein polyarylene sulfide is covered with a cationic group containing organic polymer compound that exhibits excellent bondability and adhesion to various bases such as plastics metals and glass. The above described objective is achieved by providing: a polyarylene sulfide dispersion of polyarylene sulfide particles which exhibits high stability even at a high concentration by covering the polyarylene sulfide particles with a cationic group containing organic polymer compound; and powder particles (fine particles) which are obtained from the polyarylene sulfide dispersion.

No. of Pages : 55 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040230 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD AND APPARATUS FOR STORING OR RETRIEVING ITEMS

(51) International classification :B65G41/00
(31) Priority Document No :62/150786
(32) Priority Date :21/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/028500
Filing Date :20/04/2016
(87) International Publication No :WO 2016/172253
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)DEWITT Robert R.

(57) Abstract :
A method and apparatus are provided for storing and retrieving items to/from a plurality of destinations areas. A storage and retrieval system stores and retrieves items as needed and transfer items from storage locations to transfer locations. A separate picking system conveys the items from the transfer locations to a picking station or an input out station so that the item can be selected.

No. of Pages : 44 No. of Claims : 76

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717039995 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHODS FOR ASSESING THE PURITY OF A MESENCHYMAL STEM CELLS PREPARATION

(51) International classification	:C12Q1/68,C12N5/0775,G01N33/53
(31) Priority Document No	:62/158875
(32) Priority Date	:08/05/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/EP2016/060351 :09/05/2016
(87) International Publication No	:WO 2016/180788
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)DUFRANE Denis

(57) Abstract :
The present invention relates to a method for assessing, evaluating and/monitoring the purity of a mesenchymal stem cells preparation, in particular of an adipose stem cells preparation, comprising measuring the expression level of at least one growth factor.

No. of Pages : 36 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717039996 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : COMPOSITIONS COMPRISING MESENCHYMAL STEM CELLS AND USES THEREOF

(51) International classification :A61L27/24,A61L27/38,A61L27/60
(31) Priority Document No :62/158922
(32) Priority Date :08/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2016/060352
Filing Date :09/05/2016
(87) International Publication No :WO 2016/180789
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)DUFRANE Denis

(57) Abstract :
The present invention relates to a composition comprising a biocompatible matrix and a substantially pure mesenchymal stem cells population. The present invention also relates to its use for treating soft tissue injuries.

No. of Pages : 63 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717039997 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : POROUS CYCLODEXTRIN POLYMERIC MATERIALS AND METHODS OF MAKING AND USING SAME

(51) International classification :C08L23/02,C08L23/26
(31) Priority Document No :62/149975
(32) Priority Date :20/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/028304
Filing Date :19/04/2016
(87) International Publication No :WO 2016/172118
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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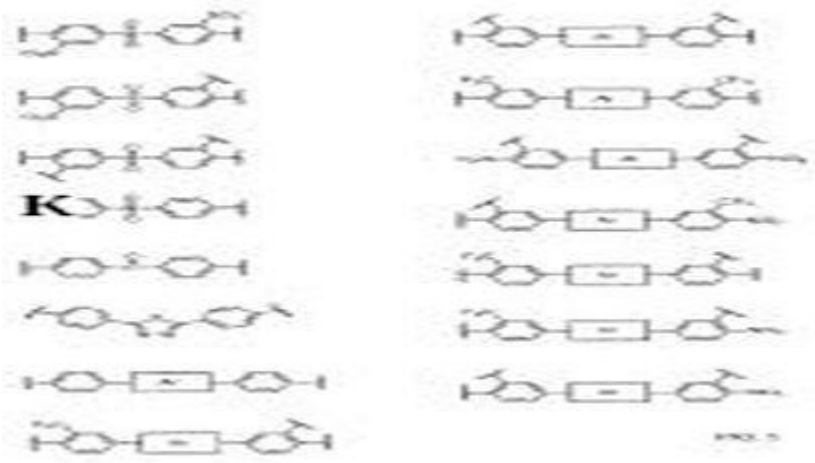
3)SMITH Brian J.
4)HINESTROZA Juan
5)ALZATE SANCHEZ Diego
6)XIAO Leilei
7)LING Yuhan
8)HELBLING Damian

(57) Abstract :
A nucleophilic substitution reaction to crosslink cyclodextrin (CD) polymer with rigid aromatic groups, providing a high surface area, mesoporous CD-containing polymers (P- CDPs). The P-CDPs can be used for removing organic contaminants from water. By encapsulating pollutants to form well-defined host-guest complexes with complementary selectivities to activated carbon (AC) sorbents. The P-CDPs can rapidly sequester pharmaceuticals, pesticides, and other organic micropollutants, achieving equilibrium binding capacity in seconds with adsorption rate constants 15-200 times greater than ACs and nonporous CD sorbents. The CD polymer can be regenerated several times, through a room temperature washing procedure, with no loss in performance.



No. of Pages : 61 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717039999 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD AND APPARATUS FOR TRANSMITTING OR RECEIVING SERVICE SIGNALING FOR BROADCASTING SERVICE

(51) International classification	:H04N21/235,H04N21/647,H04N19/46
(31) Priority Document No	:1020150054719
(32) Priority Date	:17/04/2015
(33) Name of priority country	:Republic of Korea
(86) International Application No Filing Date	:PCT/KR2016/004022 :18/04/2016
(87) International Publication No	:WO 2016/167632
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)YANG Hyun Koo
2)HWANG Sung Hee

(57) Abstract :
A method and apparatus for transmitting or receiving service signaling for a broadcasting service is disclosed. The method for transmitting service signaling for a broadcasting service comprises the steps of: generating a first packet stream including first media data by a first transmission protocol; generating a second packet stream including second media data by a second transmission protocol; generating a user service description including service signaling related to at least one of the first packet stream and the second packet stream; and transmitting the first packet stream the second packet stream and the user service description.

No. of Pages : 39 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717040000 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : HIGH MANGANESE 3RD GENERATION ADVANCED HIGH STRENGTH STEELS

(51) International classification :C22C38/02,C21D6/00,C21D8/02
(31) Priority Document No :62/164643
(32) Priority Date :21/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/033610
Filing Date :20/05/2016
(87) International Publication No :WO 2016/187577
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)GARZA MARTINEZ Luis Gonzalo
2)THOMAS Grant Aaron
3)GILL Amrinder Singh

(57) Abstract :
A high strength steel comprises up to about 0.25wt% C up to about 2.0wt%Si up to about 2.0wt% Cr up to 14% Mn and less than 0.5% Ni. It preferably has an M temperature less than 50°C. The high strength steel may have a tensile strength of at least 1000 MPa and total elongations of at least about 25% after hot rolling. It may have a tensile strength of at least 1200 MPa and total elongations of at least about 20% after hot rolling.

No. of Pages : 8 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717040001 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : LASER MARKABLE COMPOSITIONS ARTICLES AND DOCUMENTS

(51) International classification :B41M5/323,B41M5/337,B41M3/14
(31) Priority Document No :15168097.2
(32) Priority Date :19/05/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/060533
Filing Date :11/05/2016
(87) International Publication No :WO 2016/184741
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)VAN AERT Hubertus
2)LOCCUFIER Johan
3)KOKKELENBERG Dirk

(57) Abstract :
A laser markable composition comprising (a) an aqueous medium; (b) polymeric particles dispersed in the aqueous medium; (c) a colour developing agent or colour developing agent precursor; and (d) an optothermal converting agent; characterized in that a leuco dye is covalently bonded to the polymeric particles.

No. of Pages : 44 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717040008 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHODS AND COMPOSITIONS FOR THE TREATMENT OF CELLULOSIC BIOMASS AND PRODUCTS PRODUCED THEREBY

(51) International classification :C12P19/14,C12N9/42,C12P19/00
(31) Priority Document No :62/145785
(32) Priority Date :10/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2016/050402
Filing Date :08/04/2016
(87) International Publication No :WO 2016/161515
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)RICHARD Andrew
2)DAGOSTINO Dennis

(57) Abstract :
A two step method for activating a cellulosic feedstock is described. The feedstock is subjected to a first high temperature activation step at a temperature greater than 190°C and a second activation step at a lower temperature under alkali conditions. Also described are methods and compositions for the enzymatic hydrolysis of activated cellulose using one or more cellulase enzymes a surfactant and polyaspartic acid. Also described are products of the methods.

No. of Pages : 31 No. of Claims : 55

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717040009 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SUPPORTED CATALYST COMPOSITIONS HAVING IMPROVED FLOW PROPERTIES AND PREPARATION THEREOF

(51) International classification :C08F4/659,C08F10/00
(31) Priority Document No :62/153321
(32) Priority Date :27/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/029129
Filing Date :25/04/2016
(87) International Publication No :WO 2016/176135
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)PANNELL Richard B.
2)KUO Chi I
3)LLOYD Shamah

(57) Abstract :
Supported catalyst compositions, useful in olefin polymerization, and having improved flow properties are disclosed. The catalyst compositions may be characterized by low macro pore volume and high bulk density. Methods for preparing the catalyst compositions are also disclosed.

No. of Pages : 38 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717040015 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DEVICE FOR FACILITATING THE ADMINISTRATION OF A MEDICAMENT TO THE LUNG BY A CATHETER •

(51) International classification :A61M16/04
(31) Priority Document No :PCT/EP2015/059251
(32) Priority Date :28/04/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/059422
Filing Date :27/04/2016
(87) International Publication No :WO 2016/174098
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)DELLACA Raffaele
2)MILESI Ilaria
3)ZANNIN Emanuela

(57) Abstract :
A device (100) for facilitating the positioning of a catheter for the delivery of liquid medicament to spontaneously breathing patient including: an elongated main body (101) shaped to follow the internal shape of the patient s upper airways the elongated main body (101) being provided with guiding means (107) adapted to house a catheter; a substantially ring shaped terminal element (103) adapted to engage the internal wall of the patient s retro pharynx the substantially ring shaped terminal element (103) being connected to the elongated main body (101) by means of at least one spoke (105) the substantially ring shaped element (103) and the at least one spoke (105) creating a chamber where the medicament can be delivered through the catheter.

No. of Pages : 24 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717040016 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : CATALYST FOR ISOMERISATION OF PARAFFIN HYDROCARBONS AND METHOD OF PREPARATION THEREOF

(51) International classification :B01J21/04,B01J37/02,C07C5/27
(31) Priority Document No :2015125919
(32) Priority Date :29/06/2015
(33) Name of priority country :Russia
(86) International Application No :PCT/RU2016/000352
Filing Date :09/06/2016
(87) International Publication No :WO 2017/003319
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)IASTREBOVA Galina Mikhailovna
3)KASHCHEEV Aleksandr Nikolaevich

(57) Abstract :
The catalyst comprises a platinum group metal supported on a carrier consisting of a mixture of aluminium oxide zirconium oxide and a sulphate ion or tungstate ion. Aluminium hydroxide the aluminium oxide precursor is pre treated using only organic or inorganic acids with an acid module of 0.01 0.3 or in combination with at least one metal compound selected from the group consisting of: yttrium magnesium zinc calcium barium cadmium and strontium to yield the catalyst wherein the percentage (by volume) of pores with a diameter of 5 8 nm constitutes more than 60% of the total pore volume. The technical result of the invention is the increased activity selectivity and durability of the produced catalyst for isomerisation of hydrocarbons.

No. of Pages : 22 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717040018 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SHAPED COMPRESSED PELLETS FOR SLOW RELEASE OF WELL TREATMENT AGENTS INTO A WELL AND METHODS OF USING THE SAME •

(51) International classification :C09K8/03,C09K8/52
(31) Priority Document No :14/690809
(32) Priority Date :20/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/028441
Filing Date :20/04/2016
(87) International Publication No :WO 2016/172212
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)GUPTA D.V. Satyanarayana
2)SHEN Dong

(57) Abstract :
A shaped compressed pellet formed from a composite of a well treatment agent adsorbed onto a calcined porous metal oxide or into the interstitial spaces of the calcined porous metal oxide may be introduced into an oil or gas producing well. The well treatment agent of the shaped compressed pellet may be used to prevent and/or control the formation of deposits in the well.

No. of Pages : 32 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040231 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ICE MAKER WITH PUSH NOTIFICATION TO INDICATE WHEN MAINTENANCE IS REQUIRED

(51) International classification	:F25B49/00,F25B41/00,F25B43/00
(31) Priority Document No	:62/159400
(32) Priority Date	:11/05/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/031865 :11/05/2016
(87) International Publication No	:WO 2016/183206
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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Address of Applicant :2001 East Terra Lane OFallon Missouri 63366 U.S.A.
(72)**Name of Inventor :**
1)BROADBENT John Allen
2)MORO Paolo

(57) Abstract :
An ice maker for forming ice having a refrigeration system a water system and a control system. The refrigeration system includes a compressor a condenser and an evaporator. The water system includes a water filter and a sump to hold water to be made into ice. The control system includes a controller adapted to determine a baseline freeze time a baseline harvest time and/or a baseline fill time after an initial set of ice making cycles and is further adapted to compare subsequent harvest times freeze times and/or fill times to the baseline freeze harvest and/or fill times to determine whether the ice maker needs maintenance. If controller determines that ice maker needs maintenance controller can push a notification to a portable electronic device connected to the ice maker.

No. of Pages : 15 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040232 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : FUSED TRICYCLIC IMIDAZO PYRAZINES AS MODULATORS OF TNF ACTIVITY

(51) International classification :C07D487/04,C07D491/04,A61K31/4985
(31) Priority Document No :1509888.2
(32) Priority Date :08/06/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2016/062898
Filing Date :07/06/2016
(87) International Publication No :WO 2016/198398
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)JACKSON Victoria Elizabeth
2)HEER Jag Paul
3)HEINELT Uwe

(57) Abstract :
A series of substituted fused tricyclic imidazo pyrazine derivatives and analogues thereof represented by formula (I) being potent modulators of human TNFa activity are accordingly of benefit in the treatment and/or prevention of various human ailments including autoimmune and inflammatory disorders; neurological and neurodegenerative disorders; pain and nociceptive disorders; cardiovascular disorders; metabolic disorders; ocular disorders; and oncological disorders.

No. of Pages : 91 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040233 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ELECTRICAL CONNECTOR FOR PORTABLE MULTI CELL ELECTRICAL ENERGY STORAGE DEVICE

(51) International classification :H01M2/26,H01M2/30,H01M2/10
(31) Priority Document No :62/159594
(32) Priority Date :11/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/031653
Filing Date :10/05/2016
(87) International Publication No :WO 2016/183086
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)LIU Tai Tsun

(57) Abstract :
Electrical connectors for electrically connecting individual portable electrical energy storage cells making up a plurality of portable electrical energy storage cells that are part of a portable electrical energy storage device for powering portable devices such as vehicles or consumer electronics include bands of reduced cross sectional area. The electrical connectors include conductive bands that promote reliable attachment between the electrical connector and portable electrical energy storage cells and provide the ability to electrically isolate failing or damaged cells.

No. of Pages : 23 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040237 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SYSTEMS AND METHODS OF BEAM TRAINING FOR HYBRID BEAMFORMING

(51) International classification :H04B7/06
(31) Priority Document No :62/159725
(32) Priority Date :11/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2016/052702
Filing Date :11/05/2016
(87) International Publication No :WO 2016/181326
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
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(72)**Name of Inventor :**
1)HUI Dennis
2)HONG Songnam
3)CAPAR Cagatay

(57) Abstract :
Systems and methods of beam training for hybrid beamforming are disclosed. In some embodiments a method of operation of a receiver includes identifying multiple sets of beam indices for use with transmissions from a transmitter using hybrid precoding. The method also includes communicating the sets of beam indices to the transmitter for use with transmissions using hybrid precoding and receiving a transmission from the transmitter using one of the sets of beam indices. In some embodiments each set of beam indices is for a different transmission mode. In this way a transmission mode may be changed without the need to perform re training of beams which is typically a time consuming process.

No. of Pages : 24 No. of Claims : 47

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040239 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : AIRCRAFT SEATING ASSEMBLY

(51) International classification :B64D11/06
(31) Priority Document No :62/146925
(32) Priority Date :13/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/027145
Filing Date :12/04/2016
(87) International Publication No :WO 2016/168200
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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4)KRIKORIAN Aram Aris
5)LLOYD Thomas Zachary
6)PEARSON Luke Neil
7)CARPENTER Nicholas Stanley Borg
8)HOANG Matthew Vu
9)LYON Jason Ross
10)BETTENHAUSEN Kyle Robert
11)GUMBLETON Christopher Michael
12)EATON Thomas Randolph

(57) Abstract :
Components and systems of an aircraft seating assembly are disclosed. The aircraft seating assembly can include a seat pan (110) a connection frame (120) and one or more mounts (200 900 950) for removably coupling the seat pan (110) to the connection frame (120). The aircraft seating assembly can include a back support (115) having a removably coupled cushioning member (305). The aircraft seating assembly can include a tilt system which can allow the back support to articulate relative to the connection frame. The aircraft seating assembly can include a retention system (505 1105) coupled to the back support the retention system (505 560 590 1105) can retain an object in place when in a closed configuration.

No. of Pages : 35 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040240 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : CONNECTION PIECE FOR CONNECTING A SURFACE STRUCTURED END OF A HOSE EXTENDING IN A LONGITUDINAL DIRECTION SAID END HAVING AT LEAST ONE RECESS IN THE SURFACE OF SAID END TO A FLUID OUTLET; SYSTEM HAVING SUCH A CONNECTION PIECE; AND USE FOR SUCH A CONNECTION PIECE

(51) International classification :F16L25/00,B60S1/52,F16L33/34
(31) Priority Document No :20 2015 002 815.2
(32) Priority Date :20/04/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2016/000636
Filing Date :19/04/2016
(87) International Publication No :WO 2016/169648
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)ZIMMER Jochen
2)B–HLER Patrick
3)BODE Karl
4)REINACHER Armin

(57) Abstract :
The invention relates to a connection piece for connecting a surface-structured end of a hose extending in a longitudinal direction, said end having at least one recess in the surface of said end, to a fluid outlet, comprising a potting Chamber, into which the end of the hose can be inserted, and a potting material, which is arranged in the potting Chamber and which, in a first processing State, can be sufficiently fluidized such that part of the potting material in the potting Chamber can flow into the recess while the end of the hose is in an inserted.

No. of Pages : 17 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040245 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : BONDING OBJECTS TOGETHER

(51) International classification :B29C65/08
(31) Priority Document No :00982/15
(32) Priority Date :06/07/2015
(33) Name of priority country :Switzerland
(86) International Application No :PCT/EP2016/065780
Filing Date :05/07/2016
(87) International Publication No :WO 2017/005721
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)MAYER Jrg
2)LEHMANN Mario
3)KVIST Joakim
4)POSCHNER Patricia

(57) Abstract :
A profile body (31) of a not liquefiable material is used as a connecting element between a first object (1) and a second object (2). The profile body may especially be metallic and/or may be bendable. The profile body in contrast to a conventional wire however has a shape defining a first and a second undercut. The method comprises embedding the profile body in the second object so that the second undercut is within material of the second object and embedding the profile body within material of the first object so that the first undercut is within the first object and wherein at least embedding of the profile body in the first object is caused by mechanical energy impinging on the first object and/or on the second object while the first object and the second object are pressed against each other.

No. of Pages : 26 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040246 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : APPARATUS AND METHOD FOR WIRELESS POWER TRANSFER IN FURNITURE

(51) International classification :A47C1/00,A47C7/72,A61H23/00
(31) Priority Document No :62/165490
(32) Priority Date :22/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/047129
Filing Date :27/08/2015
(87) International Publication No :WO 2016/190895
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)AHMAD Tahir
2)ADAMS Chad E.
3)LAPOINTE Larry P.

(57) Abstract :
An article of furniture having an internal frame and an upholstery covering is provided with at least one transmitting resonator carried by said frame and disposed at least partially beneath said upholstery covering. The resonator is tuned for resonance at a predetermined frequency and driven by a high frequency power source also carried by said frame. The high frequency power source is adapted for coupling to a source of electric power external to the article of furniture such as to an AC outlet. The high frequency power source and transmitting resonator producing in the near field adjacent the at least one transmitting resonator a magnetic field that couples and transfers power at the predetermined frequency. A complementary receiving resonator or a compound passive resonator having two or more coils is coupled to the load to be powered and power is transferred by magnetic induction when the receiving resonator is positioned within the near field of the transmitting resonator.

No. of Pages : 20 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040247 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : MULTIDRUG BRITTLE MATRIX COMPOSITIONS

(51) International classification :A61K9/14,A61K9/72,A61K31/167
(31) Priority Document No :62/156052
(32) Priority Date :01/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/048093
Filing Date :02/09/2015
(87) International Publication No :WO 2016/178704
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)WILLIAMS Robert
2)WATTS Alan
3)PETERS Jay

(57) Abstract :
Dual and triple therapy combinations of drugs formulated as brittle matrix particles with a high surface area are provided herein. These particle formulations may be used in inhalation or aerosol administration techniques to provide the drug combinations to the lungs. In some aspects these compositions may be used to treat a respiratory disease or disorder such as asthma or COPD.

No. of Pages : 64 No. of Claims : 65

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040248 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHODS FOR SELECTING FILM STRUCTURES FOR PACKAGES

(51) International classification :G01N3/30,G06F17/50,G01M7/08
(31) Priority Document No :2137/CHE/2015
(32) Priority Date :27/04/2015
(33) Name of priority country :India
(86) International Application No :PCT/US2016/026317
Filing Date :07/04/2016
(87) International Publication No :WO 2016/176014
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)SANDKUEHLER Peter
2)SHEMBEKAR Prashant Sharad

(57) Abstract :
Methods are provided that facilitate the selection of a film structure for use in a package. In one aspect a method of selecting a film structure for use in a package comprises determining a critical impact direction of a package by finite elemental method (FEM) analysis wherein the package has a predetermined volume a predetermined shape and a predetermined fill material; determining one or more desired tensile properties of a film structure to use in the package based on the critical impact direction wherein the one or more desired tensile properties comprise at least one of toughness in the machine direction toughness in the cross direction elongation at break in the machine direction elongation at break in the cross direction stress at break in the machine direction and stress at break in the cross direction; and selecting a film structure based on the one or more desired tensile properties.

No. of Pages : 14 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017
(21) Application No.201717040251 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD IMPLEMENTED BY A COMPUTER THAT PRESENTS SOFTWARE TYPE APPLICATIONS BASED ON DESIGN SPECIFICATIONS

(51) International classification :G06F9/45
(31) Priority Document No :62/161216
(32) Priority Date :13/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2016/052806
Filing Date :13/05/2016
(87) International Publication No :WO 2016/181368
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)HUEBRA Nadia Anala

(57) Abstract :
The invention relates to a system and a method which, based on the input of logical information structures in an electronic device formed by a memory and a processor, automatically produces outputs in visual devices, which can be operated to crate information relating to business procedures, replacing the software applications that are normally developed by means of the traditional programming known in the software industry. Given the information corresponding to the logical structure of a software design, this information is introduced hito the machine, which stores same in a memory in the form of models. Said models are interpreted by the system (100) which automatically produces structures in visual devices, permitting the replacement of a software. The invention relates to the process used by the system (100) to introduce, store, interpret and produce the structural logic and visual structures that replace a software.

No. of Pages : 49 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040259 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SWITCHABLE DIGITAL SCENT GENERATION AND RELEASE, AND VAPOR AND LIQUID DELIVERY METHODS AND SYSTEMS

(51) International classification :B05B12/14
(31) Priority Document No :62/145918
(32) Priority Date :10/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/026971
Filing Date :11/04/2016
(87) International Publication No :WO 2016/164917
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)SENSABLE TECHNOLOGIES LLC
(72)**Name of Inventor :**
1)JIN Sungho
2)GARDNER Calvin
3)MATTHEW Stewart

(57) Abstract :
Methods, devices and systems are described for digitally creating new scents or digitally dispensing gas, vapor, or liquid substances. A device includes a container or replaceable cartridge including one or more chambers containing one or more scented substances; a housing structured to include a compartment to hold the cartridge, an opening to allow the one or more scented or unscented substances to dispense to an outer environment from the device, and one or more transporting channels formed between the compartment and the opening, in which each of the one or more transporting channels is configured to deliver a scented substance from the corresponding chamber to the opening for delivering a scent from the one or more scented substances; and an actuator switch arranged in a corresponding transporting channel and rapidly operable to move between an open position and closed position based on an applied signal to selectively allow passage of the scented or unscented substance from the corresponding transporting path.

No. of Pages : 72 No. of Claims : 90

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040262 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DUAL QUENCHER PROBES

(51) International classification :C07H19/04,C07D241/46,C07F9/09
(31) Priority Document No :62/147695
(32) Priority Date :15/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/027964
Filing Date :15/04/2016
(87) International Publication No :WO 2016/168750
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
The present invention provides nucleic acid probes comprising two quenchers of excited state energy and methods of their use.

No. of Pages : 95 No. of Claims : 70

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040263 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD FOR PRODUCING A PLASTIC MOLDED ARTICLE PLASTIC MOLDED ARTICLE AND MOLD

(51) International classification :B29C37/00,B29C43/02,B29C45/00
(31) Priority Document No :10 2015 109 597.1
(32) Priority Date :16/06/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2016/063142
Filing Date :09/06/2016
(87) International Publication No :WO 2016/202672
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)HAHN Martin
4)WOLF Felix
5)FALGNER Steffen
6)KOMENDA Thomas
7)DENTEL Andy
8)BAUDER Jochen
9)RIEB Arthur

(57) Abstract :
The invention relates to a method for producing a decorated plastic molded article comprising the following steps: a) providing a base (1) which is made of a fiber composite plastic material; b) providing a decorative film (2); c) heating the base; and d) joining the base and the decorative film in a mold (5). The invention further relates to a plastic molded article obtained by said method and to a mold for carrying out said method.

No. of Pages : 49 No. of Claims : 76

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040264 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SOLVENT EXCHANGE COMPOSITIONS

(51) International classification :C08L1/02,D21C9/00
(31) Priority Document No :15172621.3
(32) Priority Date :17/06/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/063916
Filing Date :16/06/2016
(87) International Publication No :WO 2016/202933
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)DUARTE Gustavo
4)MOMIN Saschi
5)SIMONS Jo

(57) Abstract :
The present invention provides for a dispersion containing cellulose particles dispersed in a continuous liquid phase comprising a first and a second continuous liquid phase, wherein the first continuous liquid phase consists of a liquid swelling agent or an aqueous solution of said liquid swelling agent, and the second continuous liquid phase comprises, preferably consists of, one or more organic solvents, with the proviso that the one or more organic solvents of the second continuous liquid phase are not capable of dissolving cellulose, have a boiling point higher than the boiling point of the first continuous liquid phase, and are miscible with the constituents of the swelling composition.

No. of Pages : 16 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040265 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DEVICE SYSTEM AND METHODS FOR MEASUREMENT OF PRESSURES IN THE URINARY TRACT

(51) International classification :A61B5/20,A61B5/02,A61B5/021
(31) Priority Document No :62/160201
(32) Priority Date :12/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/032203
Filing Date :12/05/2016
(87) International Publication No :WO 2016/183374
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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2)TRANCHINA Ben

(57) Abstract :
A catheter for measuring pressure in the urinary tract of a patient. A plurality of lumens is formed in the catheter body and an adaptor is coupled to the proximal end of the catheter body. The adaptor includes a port for each lumen. A first pressure sensor typically including a balloon is fluidically coupled to a first lumen and is configured and positioned to measure pressure in a urethra of the patient. A second pressure sensor also typically including a balloon is fluidically coupled to a second lumen and is configured and positioned on the catheter body to measure pressure in a bladder of the patient. An expandable retention member which may be coupled to a third lumen is positioned on the catheter body between the first and second expandable pressure sensors so that the catheter body may be retained at a selected location.

No. of Pages : 12 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040266 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : NON HUMAN ANIMALS HAVING A DISRUPTION IN A *C9ORF72* LOCUS

(51) International classification :A01K67/027,C12N15/85,C12N15/90
(31) Priority Document No :62/168171
(32) Priority Date :29/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/034304
Filing Date :26/05/2016
(87) International Publication No :WO 2016/196185
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)IKIZ Burcin
3)GONG Guochun
4)LACROIX FRALISH Michael L.
5)LAI Ka Man Venus
6)VALENZUELA David M.

(57) Abstract :
A non-human animal model for neurodegenerative and/or inflammatory diseases is provided, which non -human an imal comprises a disruption in a C90RF72 locus. In particular, non-human animals described herein comprise a deletion of an entire coding sequence of a C90RF72 locus. Methods of identifying therapeutic candidates that may be used to prevent, delay or treat one or more neurodegenerative (e.g., amyotrophic lateral sclerosis (ALS, also referred to as Lou Gehrigs disease) and frontotemporal de mentia (FTD)), autoimmune and/or inflammatory diseases (e.g., SLE, glomerulonephritis) are also provided.

No. of Pages : 96 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040267 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : MOVABLE JOINT ASSEMBLY WITH FLEXIBLE DUST BOOT

(51) International classification :F16C11/06
(31) Priority Document No :14/718715
(32) Priority Date :21/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/033394
Filing Date :20/05/2016
(87) International Publication No :WO 2016/187487
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)KOPSIE Eric
2)DOHERTY Donald Richard

(57) Abstract :
The movable joint assembly includes a housing (24) which extends along an axis and has an outer surface and an open interior. A ball stud (26) is partially disposed in the open interior and projects out of the housing. A flexible and elastic boot (22) is sealed against the outer surface of the housing (24) and against the ball stud (26). A metal insert (50) is at least partially embedded within the boot (22) adjacent an end of the boot (22) for resisting pull out of the boot from the housing (24). The boot (22) includes a lip (54) which is at least partially spaced axially from the insert (50) and extends radially inwardly and is in an interference fit engagement with the outer surface of the housing (24) for establishing a fluid tight seal of the housing (54) and for maintaining the fluid tight seal in response to injection of a lubricant into the open interior of the housing (24).

No. of Pages : 9 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040269 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : POWDER OR GRANULATED MATERIAL TEST APPARATUS

(51) International classification :G01N11/14,G01N1/28
(31) Priority Document No :1508054.2
(32) Priority Date :12/05/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2016/051332
Filing Date :10/05/2016
(87) International Publication No :WO 2016/181125
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)FREEMAN Timothy

(57) Abstract :
A test apparatus is described comprising a test chamber (12), a powder manipulation device such as a compaction device (20), and a drive arrangement (22) selectively operable to drive the compaction device (20) for axial movement and for rotary movement within or relative to the test chamber (12),the compaction device (20) preferably comprising at least one complete turn of a generally helical screw flight (26). Methods of use of the test apparatus are also described.

No. of Pages : 11 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040270 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : COMPOSITIONS COMPRISING 15 OXO EPA OR 15 OXO DGLA AND METHODS OF MAKING AND USING SAME

(51) International classification	:A61K31/202,A61K31/232,A61K45/06
(31) Priority Document No	:62/160863
(32) Priority Date	:13/05/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/IB2016/000732 :12/05/2016
(87) International Publication No	:WO 2016/181221
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)MANKU Mehar
2)CLIMAX John
3)COUGHLAN David

(57) Abstract :
The present disclosure provides 15-oxo-EPA and 15-oxo-DGLA, compositions comprising 15-oxo-EPA and/or 15- oxo-DGLA, and methods of treating and/or preventing fibrosis, skin disorders, inflammation, kidney disease or renal dysfunction in a subject in need thereof by administering 15-oxo-EPA and/or 15-oxo-DGLA.

No. of Pages : 30 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040271 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD OF DETERMINING A CHEMICAL COMPOSITION OF A SLAG PORTION

(51) International classification :G01N21/3563,G01N21/85
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/IB2015/053453
Filing Date :11/05/2015
(87) International Publication No :WO 2016/181185
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)PICON RUIZ Artzai
3)RODRIGUEZ VAAMONDE Sergio

(57) Abstract :
Method of determining a chemical composition of a slag portion (5), the method comprising the steps of: - providing the slag portion, the slag portion having a surface (S), - collecting light (L) reflected from the surface using an optical system (10), - obtaining a data set from the collected light, the data set at least defining a matrix containing val ues representative of an intensity of a part (L M,l) of the collected light, each part being respectively collected from one of a plurality of points (M) at one of a plurality of wavelengths, the matrix being indexed at least by: - a plurality of space coordinates of the plurality of points, and - a plurality of spectral parameters representative of the plurality of wavelengths, - conditioning the matrix in order to obtain a reduced set of values, and - performing a mathematical algorithm using the reduced set of values in order to obtain the chemical composition. Corresponding in stallation.

No. of Pages : 14 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040272 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : VEHICLE BODY BEHAVIOR CONTROL DEVICE AND METHOD OF CONTROLLING BEHAVIOR OF VEHICLE BODY

(51) International classification	:B60T8/17,B60T8/1755,B60T8/1766
(31) Priority Document No	:2015120767
(32) Priority Date	:16/06/2015
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/IB2016/053221 :01/06/2016
(87) International Publication No	:WO 2017/013503
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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1)OSHIDA Yuki
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(57) Abstract :
Provided is a vehicle body behavior control device and a method of controlling behavior of a vehicle body which can reduce unstable behavior of the vehicle body. A vehicle body behavior control device incorporated into a vehicle body having a plurality of wheels includes: a brake mechanism which controls behavior of the wheels; and a control part which controls an interlocking brake operation in which a braking force is applied to the plurality of wheels using the brake mechanism when an operation for applying braking to any one of the wheels is performed based on a gradient value T of a road surface on which the vehicle body travels.

No. of Pages : 35 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2017

(21) Application No.201717040273 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : EXECUTING COMMANDS ON VIRTUAL MACHINE INSTANCES IN A DISTRIBUTED COMPUTING ENVIRONMENT

(51) International classification :G06F9/54
(31) Priority Document No :14/716713
(32) Priority Date :19/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/032857
Filing Date :17/05/2016
(87) International Publication No :WO 2016/187192
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)TWITCHELL Steven Merlin
3)LANNER Mats Erik
4)SUNDARAM Manivannan
5)PADISETTY Sivaprasad Venkata
6)MAO Martin Chen

(57) Abstract :
A method for executing commands on virtual machine instances in a distributed computing environment can include receiving from a client computing device a command execution request for executing a command on one or more virtual machine instances within the distributed computing environment. The command execution request includes a tag and instance identification information for the one or more virtual machine instances is retrieved based on the tag. A command specification document associated with the command specified by the command execution request is retrieved. A command execution message including the command specification document and at least one command parameter is communicated to each of the one or more virtual machine instances. A command execution result from executing the command at the one or more virtual machine instances is received from the one or more virtual machine instances. The command execution result is sent to the client computing device.

No. of Pages : 24 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/11/2017

(21) Application No.201717040288 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ADJUSTMENT MECHANISM

(51) International classification :F16H49/00,F16H25/04
(31) Priority Document No :10 2015 004 405.2
(32) Priority Date :11/04/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/DE2016/000155
Filing Date :10/04/2016
(87) International Publication No :WO 2016/165684
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)KLINDWORTH Jan

(57) Abstract :
The invention relates to an adjustment mechanism for adjusting two components, comprising a ring gear (1), a driver wheel (2), a wave generator (4) and an elastic cylindrical gear (3) composed of multiple tooth elements (3a) which are in contact with a driving pin (2a) via the contact surface (3c) and which are in contact with a ring gear (I) via the teeth (3e) and (3d) and which are supported on the wave generator.

No. of Pages : 28 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2017

(21) Application No.201714012778 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : HIGH SPEED CONNECTOR ASSEMBLY, RECEPTACLE CONNECTOR AND RECEPTACLE TERMINAL

(51) International classification :H01R13/115
(31) Priority Document No :201610455347.4
(32) Priority Date :22/06/2016
(33) Name of priority country :China
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)CHEN, Hsin-Chih

(57) Abstract :
A high speed connector assembly is disclosed in this invention, which includes a receptacle connector and a plug connector. Each differential signal terminal of the receptacle connector has an L-type body, a front mating portion and a bottom mounting portion. The front mating portion includes two L-type arms having unequal length. A front end of each L-type arm disposes a resilient finger being perpendicular to a vertical plane. The resilient fingers of the two L-type arms can respectively and electrically contact with two opposite sides of one plug terminal of the plug connector, thereby forming double-sided contact. The present invention can suppress the short pile effect and reduce signal crosstalk and signal loss during transmitting the high speed signal by this double contact.

No. of Pages : 22 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/04/2017

(21) Application No.201714012977 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : LIGHT-WEIGHT SPACER FOR A SLITTING MACHINE

(51) International classification :B26D7/26
(31) Priority Document No :105120284
(32) Priority Date :28/06/2016
(33) Name of priority country :Taiwan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)Cho-Ching YANG

(57) Abstract :
The present invention provides a light-weight spacer for a slitting machine for maintaining the width between slitting knives. The light-weight spacer comprises: a spacer body having a ring structure integrally formed of metal; an inner surface positioned on the inner side of the ring structure and extending along the central axis of the ring structure; an outer surface positioned on the outer side of the ring structure and extending along the central axis of the ring structure; a first side surface extending between the inner surface and the outer surface and being perpendicular thereto; a second side surface opposite to the first side surface and extending between the inner surface and the outer surface; a first plurality of perforations provided on the first side; and a second plurality of perforations provided on the second side.

No. of Pages : 25 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043220 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SYRINGE ADAPTER WITH SPINNING CONNECTOR

(51) International classification :A61J1/14,A61J1/20
(31) Priority Document No :62/174783
(32) Priority Date :12/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/036899
Filing Date :10/06/2016
(87) International Publication No :WO 2016/201232
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)KIM Jayeon

(57) Abstract :
A syringe adapter includes a housing defining an interior space a seal arrangement including a membrane received within the interior space of the housing with the seal arrangement moveable within the housing a connector body positioned adjacent to a first end of the housing and configured to be connected with a syringe barrel. The connector body including a locking projection that cooperates with the retaining ring of the housing to secure the connector body to the housing. The connector body is rotatable relative to the housing in first and second directions. The locking projection engages the retaining ring to restrict axial movement of the connector body relative to the housing. The syringe adapter also includes a cannula secured to the connector body with the seal arrangement configured to cooperate with the cannula to provide a sealed transfer of fluids through the cannula to a mating connector.

No. of Pages : 9 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043240 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PROCESS FOR MANUFACTURING HIGHLY POROUS SLAKED LIME AND PRODUCT THEREBY OBTAINED

(51) International classification :C01F11/02,C04B2/04,C04B2/06
(31) Priority Document No :15181104.9
(32) Priority Date :14/08/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/069211
Filing Date :12/08/2016
(87) International Publication No :WO 2017/029209
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)LORGOUILLOUX Marion
3)NYSSEN Olivier
4)FRANCOISSE Olivier

(57) Abstract :
Process for manufacturing highly porous slaked lime comprising a feeding step of quicklime a feeding step of water in a feeding zone of a hydrator a slaking step of said quicklime in a slaking zone of said hydrator and a maturation step in a maturation zone of said hydrator to form slaked lime.

No. of Pages : 19 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043241 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PROCESS AND DEVICE FOR PROCESSING AN INORGANIC NUTRITIVE IRON COMPOSITION

(51) International classification :C05B13/06,C05B13/04,C05D9/02
(31) Priority Document No :2015/5363
(32) Priority Date :15/06/2015
(33) Name of priority country :Belgium
(86) International Application No :PCT/EP2016/063639
Filing Date :14/06/2016
(87) International Publication No :WO 2016/202803
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)DIDDEREN Isabelle

(57) Abstract :
A process for fertigation of plants which comprises forming a series of stock solutions feeding each of the stock solutions into a diluting system so as to form a fertigation solution feeding a fertigation device by means of a transfer device feeding said fertigation device with said fertigation solution and adding iron and at least one polyphosphate.

No. of Pages : 27 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043398 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PANEL AND ASSOCIATED ATTACHMENT DEVICES

(51) International classification :F24J2/52,F24J2/46
(31) Priority Document No :1554926
(32) Priority Date :01/06/2015
(33) Name of priority country :France
(86) International Application No :PCT/FR2016/051302
Filing Date :01/06/2016
(87) International Publication No :WO 2016/193614
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)LEGALL Antoine
3)PETRI Richard
4)TURLOT Emmanuel

(57) Abstract :
The invention concerns a panel (1) capable of bending under the effect of a load and having a peripheral surface provided with a plurality of pivoting attachment devices (2); each attachment device (2) comprises: a metal gripping member (3) adhered to the peripheral surface (4) of the panel (1); a metal clip (5) cooperating by interlocking with the gripping member (3) and configured to allow the gripping member (3) to pivot when the panel (1) bends.

No. of Pages : 31 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043414 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : CENTERLESS WHEEL ASSEMBLY

(51) International classification :B60B19/00,A61G5/08
(31) Priority Document No :62/179357
(32) Priority Date :04/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/030817
Filing Date :04/05/2016
(87) International Publication No :WO 2016/179305
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)LEO Gary
3)RICE Richard
4)STREETER Scott
5)WINDMILL Martin
6)LORIMORE Benjamin

(57) Abstract :
The present disclosure may relate to a wheel that may include first and second exoskeleton plates that are spaced apart and have generally circular configurations. The wheel may also include a roller guide assembly that includes one or more bearings a roller guide coupled with the one or more bearings and a shaft spanning the first and second exoskeleton plates and coupled with the roller guide such that the roller guide rotates around the shaft. The wheel may also include a tire and a centerless rim coupled with the tire. The centerless rim may be configured to have a shape that corresponds to a shape of the roller guide and the roller guide may be configured to contact the centerless rim as the centerless rim rotates.

No. of Pages : 65 No. of Claims : 87

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043417 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : BISPECIFIC ANTIBODY CONSTRUCTS BINDING MESOTHELIN AND CD3

(51) International classification :C07K16/28,C07K16/30
(31) Priority Document No :62/199939
(32) Priority Date :31/07/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2016/068304
Filing Date :01/08/2016
(87) International Publication No :WO 2017/021356
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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4)ANLAHR Jonas
5)BLUEMEL Claudia
6)HOFFMANN Patrick
7)NAHRWOLD Elisabeth
8)BAILIS Julie

(57) Abstract :
The present invention relates to a bispecific antibody construct comprising a first binding domain which binds to human MSLN on the surface of a target cell and a second binding domain which binds to human CD3 on the surface of a T cell. Moreover the invention provides a polynucleotide encoding the antibody construct a vector comprising said polynucleotide and a host cell transformed or transfected with said polynucleotide or vector. Furthermore the invention provides a process for the production of the antibody construct of the invention a medical use of said antibody construct and a kit comprising said antibody construct.

No. of Pages : 152 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043418 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : BISPECIFIC ANTIBODY CONSTRUCTS BINDING DLL3 AND CD3

(51) International classification :C07K16/28
(31) Priority Document No :62/199930
(32) Priority Date :31/07/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2016/068285
Filing Date :01/08/2016
(87) International Publication No :WO 2017/021349
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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5)DAHLHOFF Christoph
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7)LUTTERBUESE Ralf
8)NAHRWOLD Elisabeth

(57) Abstract :
The present invention relates to a bispecific antibody construct comprising a first binding domain which binds to human DLL3 on the surface of a target cell and a second binding domain which binds to human CD3 on the surface of a Tcell. Moreover the invention provides a polynucleotide encoding the antibody construct a vector comprising said polynucleotide and a host cell transformed or transfected with said polynucleotide or vector. Furthermore the invention provides a process for the production of the antibody construct of the invention a medical use of said antibody construct and a kit comprising said antibody construct.

No. of Pages : 210 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043421 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : RABIES VIRUS G PROTEIN EPITOPE AND RABIES VIRUS NEUTRALISING BINDING MOLECULE THAT BINDS SPECIFICALLY THERETO

(51) International classification :C07K16/10
(31) Priority Document No :1020150082284
(32) Priority Date :10/06/2015
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2016/006145
Filing Date :09/06/2016
(87) International Publication No :WO 2016/200189
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)CHANG Shin Jae
2)LEE Soo Young
3)KIM Pan Kyeom
4)AHN Jung Sun
5)CHOO Min Joo

(57) Abstract :
The present invention relates to a rabies virus g protein epitope and to a rabies virus neutralising binding molecule that binds specifically thereto. In the present invention having clarified different epitope sites of rabies virus g protein it has been confirmed that binding molecules that bind thereto and a cocktail in which same are mixed have a neutralising ability with respect to various rabies viruses.

No. of Pages : 40 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043422 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : MIRRORING OF HIGH ROTOR POLE SWITCHED RELUCTANCE MACHINES

(51) International classification :H02P25/08
(31) Priority Document No :62/173395
(32) Priority Date :10/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/016655
Filing Date :04/02/2016
(87) International Publication No :WO 2016/200442
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)KRISHNAMURTHY Mahesh
2)CREARY Trevor
3)JOHNSTON Mark
4)DESAI Piyush

(57) Abstract :
A high rotor pole switched reluctance machine (HRSRM) employs an axial and radial mirroring concept and is represented by a first Multiple Rotor Pole (MRP) formula and second Multiple Stator Pole (MSP) formula. A multiple rotor HRSRM comprises at least two rotors each having a plurality of rotor poles and at least one stator having a plurality of stator poles. The at least two rotors and the at least one stator are positioned about a central axis with the stator placed between and laterally adjacent to the rotors. A multiple stator HRSRM comprises at least two stators having a plurality of stator poles and at least one rotor having a plurality of rotor poles. The at least two stators and at least one rotor are positioned about a central axis with the rotor placed between and laterally adjacent to the stators.

No. of Pages : 16 No. of Claims : 46

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043423 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : VEHICULAR DISC BRAKE

(51) International classification	:F16D55/227,F16D65/02,F16D65/092
(31) Priority Document No	:2015118833
(32) Priority Date	:12/06/2015
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2016/067310 :10/06/2016
(87) International Publication No	:WO 2016/199880
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
1)NISSIN KOGYO CO. LTD.
Address of Applicant :801 Kazawa, Tomi-city, Nagano, 3890514, Japan Japan
(72)**Name of Inventor :**
1)ATSUTA Daiki
2)KOBAYASHI Naoki

(57) Abstract :
A vehicular disc brake that allows friction pads to be easily exchanged while also reducing the size of a caliper body wherein pad suspension parts 8a 9a are arranged to protrude from friction pads 8 9 to the outside in the radial direction of the disc and at a disc turn in side during forward movement of the vehicle. A torque transmission surface 8g for transmitting braking torque by contacting a torque receiving part 3d provided on a caliper bracket 3 is provided on the disc turn out side of the active side friction pad 8. A torque transmission arm 9f for transmitting braking torque by contacting a torque receiving pin 13 is provided on the disc rotor turn out side of the reactive side friction pad 9. A housing recess 6q for housing the pad suspension parts 8a 9a so as to be able to move in the disk axis direction is formed in a disc rotor side surface 6r on a bridge section 6c of a caliper body 6.

No. of Pages : 19 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043424 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD FOR PRODUCING 1 CYCLOPROPYLETHYLAMINE OR ACID ADDITION SALT THEREOF

(51) International classification :C07C209/26,C07C211/35,C07B61/00
(31) Priority Document No :2015117588
(32) Priority Date :10/06/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/066918
Filing Date :07/06/2016
(87) International Publication No :WO 2016/199763
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)ISHIHARA SANGYO KAISHA LTD.
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(72)**Name of Inventor :**
1)HIBINO Tatsuya
2)KIZU Kengo

(57) Abstract :
The present invention pertains to a method for producing 1 cyclopropylethylamine or an acid addition salt thereof. Provided is a method for producing high purity 1 cyclopropylethylamine or an acid addition salt thereof including reacting cyclopropylmethylketone ammonia and hydrogen in alcohols and/or ethers in the presence of an inorganic oxide supported nickel catalyst.

No. of Pages : 13 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043443 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DRIFT RACER

(51) International classification :A63G31/16,A63G7/00,A63G33/00
(31) Priority Document No :62/160400
(32) Priority Date :12/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/032060
Filing Date :12/05/2016
(87) International Publication No :WO 2016/183303
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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Address of Applicant :100 Universal City Plaza Universal City California 91608 U.S.A.
(72)**Name of Inventor :**
1)VANCE Eric A.

(57) Abstract :
A ride assembly includes a passenger vehicle having front wheels rear wheels a motor and a steering wheel where the front and rear wheels are disposed on a surface the motor is configured to provide power to the front wheels to propel the passenger vehicle and the steering wheel is configured to adjust a position of the rear wheels and enable the passenger vehicle to drift a track forming a trough in the surface and a bogie hingedly coupled to the passenger vehicle where the bogie is disposed in the trough and where the bogie is configured to direct movement of the passenger vehicle along the track.

No. of Pages : 27 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043444 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : IMMUNOGENIC COMPOSITIONS

(51) International classification :A61K39/112,A61K39/00
(31) Priority Document No :15020097.0
(32) Priority Date :16/06/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/063776
Filing Date :15/06/2016
(87) International Publication No :WO 2016/202872
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)GERKE Christiane
2)MARTIN Laura Bartle
3)SAUL Allan James

(57) Abstract :
This invention relates to immunogenic compositions particularly vaccine compositions for use in providing protection against illness caused by bacterial infection with Shigella strains.

No. of Pages : 41 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043266 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : CLAMPING APPARATUS

(51) International classification	:A01F25/13,A01F25/14,A01F25/00
(31) Priority Document No	:2015902457
(32) Priority Date	:25/06/2015
(33) Name of priority country	:Australia
(86) International Application No Filing Date	:PCT/AU2015/000708 :24/11/2015
(87) International Publication No	:WO 2016/205852
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
1)GLOBAL GRAIN HANDLING SOLUTIONS PTY LTD
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(72)**Name of Inventor :**
1)GAMBLE Luke James
2)McMILES Brett

(57) Abstract :
A clamping apparatus for clamping a sheet to a supporting structure of an agricultural storage apparatus. The clamping apparatus comprises a first clamping section and at least one second clamping section and is attached to a wall of the supporting structure. The or each second clamping section comprises a lever section and a catch section pivotably attached to the lever section. In use a section of the sheet is clamped between the first clamping section and the catch section of the or each second clamping section thereby securing the sheet to the supporting structure.

No. of Pages : 10 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043267 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : USE OF A POLYPEPTIDE FOR EFFECTING IMMUNE SIGNALLING AND/OR AFFECTING INTESTINAL BARRIER FUNCTION AND/OR MODULATING METABOLIC STATUS

(51) International classification	:C07K14/195,A61K39/00,C12N1/22
(31) Priority Document No	:15166598.1
(32) Priority Date	:06/05/2015
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2016/060033 :04/05/2016
(87) International Publication No	:WO 2016/177797
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)UNIVERSIT CATHOLIQUE DE LOUVAIN
(72)**Name of Inventor :**
1)BELZER Clara
2)DE VOS Willem Meindert
3)CANI Patrice Daniel

(57) Abstract :
It has been found that an extracellular polypeptide derived from Akkermansia municiphila is capable of modulating and/or promoting gut mucosal immune system function and/or maintaining and/or restoring metabolic status and/or increasing the physical integrity of the gut mucosal barrier in a mammal. The polypeptide or host cells comprising such polypeptide may be employed to prevent and/or treat a variety of conditions that benefit from an increased physical integrity of the gut mucosal barrier and/or an improved gut mucosal immune system function and metabolic status.

No. of Pages : 29 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043268 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD OF CULTURING AKKERMANSIA

(51) International classification :C07K14/195,A61K39/00,C12N1/22
(31) Priority Document No :15166598.1
(32) Priority Date :06/05/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/060039
Filing Date :04/05/2016
(87) International Publication No :WO 2016/177801
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)WAGENINGEN UNIVERSITEIT
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(72)**Name of Inventor :**
1)BELZER Clara
2)DE VOS Willem Meindert

(57) Abstract :
A method for cost effectively and efficiently culturing Akkermansia muciniphilais described. High biomass yields can be obtained on chemically defined media. This allows for large scale production of A. muciniphila suitable for use in humans such as for pharmaceutical or food applications. The A. muciniphila can be produced free of animal derived products thereby allowing a broad range of applications.

No. of Pages : 11 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043269 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : USE OF 3 DEOXYANTHOCYANIDINS FOR TREATING OCCULAR DISEASES

(51) International classification :A61K31/352,A61P27/02
(31) Priority Document No :1554761
(32) Priority Date :27/05/2015
(33) Name of priority country :France
(86) International Application No :PCT/FR2016/051262
Filing Date :27/05/2016
(87) International Publication No :WO 2016/189260
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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3)CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE
4)INSERM (INSTITUT NATIONAL DE LA SANT ET DE LA RECHERCHE MDICALE)
(72)**Name of Inventor :**
1)FONTAINE Valrie
2)LAFONT Ren
3)SAHEL Jos Alain
4)VEILLET Stanislas

(57) Abstract :
The invention relates to the use of a 3 deoxyanthocyanidin of formula (I) in which R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 and X are as defined in the claims with the condition that at least one of R1 R2 R3 R4 or R5 is a hydroxyl and at least one of R8 R9 R10 or R11 is a hydroxyl for the treatment prevention and/or stabilisation of ARMD Stargardt disease pigmentary retinopathy and/or diabetic retinopathy.

No. of Pages : 30 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043272 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : TERMINAL CHARGING SYSTEM CHARGING METHOD AND POWER ADAPTER

(51) International classification :H02J7/02
(31) Priority Document No :PCT/CN2016/073679
(32) Priority Date :05/02/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/070541
Filing Date :07/01/2017
(87) International Publication No :WO 2017/133396
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)TIAN Chen
2)ZHANG Jialiang

(57) Abstract :
Provided are a terminal (2) charging system charging method and power adapter (1) said charging system comprising a power adapter (1) and a terminal (2) the power adapter (1) comprising: a first rectifier unit (101) a switch unit (102) a transformer (103) a second rectifier unit (104) a first charging interface (105) a sampling unit (106) and a control unit (107); the control unit (107) outputs a control signal to the switch unit (102) and according to the voltage sample value and/or current sample value sampled by the sampling unit (106) adjusting the duty cycle of the control signal so that the voltage of a third pulsating waveform outputted by the second rectifier unit (104) satisfies charging requirements; the terminal (2) comprises a second charging interface (201) and a battery (202) the second charging interface (201) and the battery (202) being connected together; when the second charging interface (201) is connected to the first charging interface (105) the second charging interface (201) loads the voltage of the third pulsating waveform to the battery (202) such that the pulsating waveform voltage outputted by the power adapter (1) is loaded directly onto the battery (202); thus the size of the power adapter (1) is reduced its costs are low and the service life of the battery (202) is increased.

No. of Pages : 64 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043446 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PYRIDIN 3 YL ACETIC ACID DERIVATIVES AS INHIBITORS OF HUMAN IMMUNODEFICIENCY VIRUS REPLICATION

(51) International classification :C07D401/14,C07D405/14,C07D401/04
(31) Priority Document No :62/188852
(32) Priority Date :06/07/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2016/054049
Filing Date :06/07/2016
(87) International Publication No :WO 2017/006261
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)KADOW John F.
2)NAIDU B. Narasimhulu
3)WANG Tao
4)YIN Zhiwei

(57) Abstract :
Disclosed are compounds of Formula I including pharmaceutically acceptable salts pharmaceutical compositions comprising the compounds methods for making the compounds and their use in inhibiting HIV integrase and treating those infected with HIV or AIDS.

No. of Pages : 75 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043447 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : TAU BINDING ANTIBODIES

(51) International classification :C07K14/47,C07K16/18
(31) Priority Document No :15175522.0
(32) Priority Date :06/07/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/065813
Filing Date :05/07/2016
(87) International Publication No :WO 2017/005734
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)BAKER Terence Seward
3)MCMILLAN David James
4)GRIFFIN Robert Anthony
5)MAIRET COELLO Georges
6)DOWNEY Patrick
7)COURADE Jean Philippe

(57) Abstract :
The present invention relates to Tau binding antibodies and binding fragments thereof.

No. of Pages : 82 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043449 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : TAU BINDING ANTIBODIES

(51) International classification :C07K14/47,C07K16/18
(31) Priority Document No :15175519.6
(32) Priority Date :06/07/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/065809
Filing Date :05/07/2016
(87) International Publication No :WO 2017/005732
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)BAKER Terence Seward
3)MAIRET COELLO Georges
4)DOWNEY Patrick
5)COURADE Jean Philippe
6)KNIGHT David Edward Ormonde

(57) Abstract :
The present invention relates to Tau binding antibodies and binding fragments thereof.

No. of Pages : 79 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043450 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PRE FORMED COIL WINDING STRUCTURE AND STATOR FOR A GENERATOR OF A WIND TURBINE AND METHOD FOR PRODUCING A STATOR

(51) International classification :H02K3/50,H02K15/06,H02K7/18
(31) Priority Document No :10 2015 211 355.8
(32) Priority Date :19/06/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2016/061917
Filing Date :26/05/2016
(87) International Publication No :WO 2016/202549
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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Address of Applicant :Borsigstrasse 26 26607 Aurich Germany
(72)**Name of Inventor :**
1)RER Jochen
2)WOLLGAM Sven

(57) Abstract :
The invention relates to a pre formed coil (10) of a stator (132) of a generator (130) of a gearless wind turbine (100). The pre formed coil (10) comprises an electrical conductor (26) with a first and a second connection (18 20). The connections (18 20) are each used for electrically connecting to another pre formed coil (10). For this purpose the connections (18 20) each comprise a thread in order to establish the electrical connections by means of screw connections. The invention further relates to a winding structure and a stator (132) comprising the pre formed coil (10) and a method for producing the stator (132).

No. of Pages : 15 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043456 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ACID STABLE BEVERAGES COMPRISING BIXIN

(51) International classification :A23L2/52,A23P10/30,A23L29/212
(31) Priority Document No :15171900.2
(32) Priority Date :12/06/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/063247
Filing Date :10/06/2016
(87) International Publication No :WO 2016/198567
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
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2)BECK Markus
3)LANG Rene
4)SCHAFFNER David

(57) Abstract :
The present invention is directed to an acid stable bixin form wherein the bixin is microencapsulated in a matrix of a hydrocolloid preferably in a matrix of modified food starch. This bixin form can be in the form of an emulsion a suspension or in form of a powder. The present invention is further directed to a process for the manufacture of such forms as well as to beverages containing them. These yellow orange to red orange beverages are physically stable and color stable.

No. of Pages : 33 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043457 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : A THERMOPLASTIC POLYMER COMPOSITION AN ARTICLE MADE THEREOF AND A PROCESS FOR PREPARING THE SAME

(51) International classification :C08L77/06,C08K5/00
(31) Priority Document No :15169541.8
(32) Priority Date :28/05/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/061774
Filing Date :25/05/2016
(87) International Publication No :WO 2016/189023
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)VAN DER BURGT Frank Peter Theodorus Johannes

(57) Abstract :
The invention relates to a thermoplastic polymer composition comprising A. a polyamide B. a reinforcing agent and C. an laser direct structuring (LDS) additive wherein the polyamide comprises a blend of (A.1) a semi crystalline semi aromatic polyamide and (A.2) an amorphous semi aromatic polyamide or an aliphatic polyamide or a mixture thereof; or a blend of (A.3) a semi crystalline aliphatic polyamide and (A.4) an amorphous semi aromatic polyamide; and D. a metal (di)phosphinate. The present invention further relates an article prepared form the thermoplastic polymer composition and article made by a LDS process and a process for preparing the same.

No. of Pages : 20 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043461 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : IMMUNOGENIC COMPOSITIONS

(51) International classification :A61K39/09
(31) Priority Document No :15020110.1
(32) Priority Date :01/07/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/065352
Filing Date :30/06/2016
(87) International Publication No :WO 2017/001586
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)MARGARIT Y ROS Immaculada
3)ROSINI Roberto

(57) Abstract :
The invention provides chimeric capsular polysaccharides including conjugates comprising same. The invention also provides pharmaceutical compositions comprising chimeric capsular polysaccharides and conjugates thereof. Further aspects comprise methods for immunising a patient against infection comprising the step of administering to the patient a conjugate of the invention.

No. of Pages : 50 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043095 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : MULTIFUNCTIONAL SOLAR ENERGY SYSTEM

(51) International classification :F24J2/08
(31) Priority Document No :201510291476.X
(32) Priority Date :01/06/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/083621
Filing Date :27/05/2016
(87) International Publication No :WO 2016/192588
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)HU Xiaoping

(57) Abstract :
Disclosed is a multifunctional solar energy system comprising a converging system and two solar energy utilization devices (P1 P2) wherein the converging system comprises at least one light focusing refractive surface (s1) and one reflective surface (s2); at least one of the reflective surface (s2) and the two solar energy utilization devices (P1 P2) are movable; if the reflective surface (s2) is movable the two solar energy utilization devices (P1 P2) are respectively provided on light paths before and after the reflective surface (s2) moves; and if the reflective surface (s2) is fixed the two solar energy utilization devices (P1 P2) are successively provided in the light path after the reflective surface (s2). The solar energy system is able to place one of the two solar energy utilization devices (P1 P2) in the light path by moving the movable component so as to respectively use the two solar energy utilization devices (P1 P2) at different times thereby greatly extending the function of the solar energy system and improving the comprehensive utilization rate of the system.

No. of Pages : 12 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043096 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METAL CLIP FOR ELECTRICALLY CONNECTING A CONDUCTIVE WIRE TO A METAL ELEMENT

(51) International classification :H01R4/24,H01R4/64,H01R4/36
(31) Priority Document No :1554952
(32) Priority Date :01/06/2015
(33) Name of priority country :France
(86) International Application No :PCT/FR2016/051303
Filing Date :01/06/2016
(87) International Publication No :WO 2016/193615
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)BERNARD Nicolas
2)PHILIPP Norman

(57) Abstract :
The invention concerns a metal clip (1) for electrically connecting a conductive wire to a planar metal element the metal clip having an S shaped cross section and being composed of three wings (2a 2b 2c) a first wing (2a) and a second wing (2b) defining a first longitudinal recess (3a) allowing the metal clip to be attached to an edge of the planar metal element the second wing (2b) and the third wing (2c) defining a second longitudinal recess (3b). The second recess (3b) is provided with connection means (5 6) for receiving the end of the conductive wire and for maintaining electrical contact between the conductive wire and the metal clip.

No. of Pages : 16 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043097 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHODS FOR ENHANCING AN IMMUNE RESPONSE WITH A CTLA 4 ANTAGONIST

(51) International classification	:A61K31/713,C12N15/113,A61K39/395
(31) Priority Document No	:62/155959
(32) Priority Date	:01/05/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/030124 :29/04/2016
(87) International Publication No	:WO 2016/179001
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)HALPERT Matthew
2)DECKER William K.
3)KONDURI Vanaja

(57) Abstract :
Methods are provided for enhancing an immune response comprising providing an immunogenic composition in conjunction with a CTLA 4 antagonist. Dendritic cell populations having reduced CTLA 4 expression are likewise provided.

No. of Pages : 41 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043116 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : CHEMICAL ADDITIVES FOR ENHANCEMENT OF WATER FLUX OF A MEMBRANE

(51) International classification :C08J5/22,C08K5/00,C08L79/02
(31) Priority Document No :14/730131
(32) Priority Date :03/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/035559
Filing Date :02/06/2016
(87) International Publication No :WO 2016/196821
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)KOEHLER Jeff
2)FOSTER Alexis
3)SONG Keunwon
4)LEE Young Ju
5)SHIN Chongkyu

(57) Abstract :
Provided is an interfacial polymerization process for preparation of a highly permeable thin film composite membrane which can be used for nanofiltration forward osmosis or reverse osmosis particularly for use with brackish water at low energy conditions. The process includes contacting a porous support membrane with an aqueous phase containing a polyamine and a flux enhancing combination of additives that includes a metal chelate additive containing a bidentate ligand and a metal atom or metal ion and a phosphoramide to form a coated support membrane and applying an organic phase containing a polyfunctional acid halide to the coated support membrane to interfacially polymerize the polyamine and the polyfunctional acid halide to form a discrimination layer of the thin film composite membrane. Also provided are the membranes prepared by the methods and reverse osmosis modules containing the membranes.

No. of Pages : 57 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/12/2017

(21) Application No.201717043276 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ARTICLES OF IGNITION RESISTANT COTTON FIBERS

(51) International classification :B32B9/04,D02G3/22,D02G3/36
(31) Priority Document No :NA
(32) Priority Date : -
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/029069
Filing Date :04/05/2015
(87) International Publication No :WO 2016/178662
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)HALL David M.

(57) Abstract :
A bi regional fiber with a cellulosic core and a wax outer sheath is disclosed. The sheath can comprise high melting temperature wax. The fiber may be produced by processing the natural fiber at temperatures less than 70C. The fiber can be processed in a standard manner such as for example a Keir process which may include bleach at approximately 100C with a wax subsequently added at a temperature sufficient to disperse the wax over the fiber surface. The fibers are ignition resistant as measured by industry standard tests. The wax may comprise from about 0.4 to 25 percent or greater of the fiber by weight. The wax may be natural wax synthetic or emulsified wax or blends thereof. The bi regional fibers can be blended with other fibers including BRCF fibers to create fire resistant fabrics including clothing blankets and household materials.

No. of Pages : 25 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/12/2017

(21) Application No.201717043277 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SYRINGE FOR MIXING TWO COMPONENTS AND FOR RETAINING A VACUUM IN A STORAGE CONDITION

(51) International classification :A61M5/20,A61M5/315,A61M5/24
(31) Priority Document No :15175189.8
(32) Priority Date :03/07/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/065260
Filing Date :30/06/2016
(87) International Publication No :WO 2017/005590
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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2)ELLE Lise Sjrup
3)JENSEN Thomas Ingemann

(57) Abstract :
The present disclosure relates to a syringe for mixing two substances which have been retained separately inside the syringe for instance in a storage condition.In particular the present disclosure relates to a syringe for 1) retaining a dry composition in a vacuum and 2)mixing the dry composition with an aqueous medium to form a flowable substance. One embodiment relates to a syringe for retaining and mixing first and second substances comprising: a barrel comprising a sealable and/or closable distal outlet and a vacuum chamber for holding a first substance a plunger incorporating a reservoir chamber for holding a second substance and configured to be axially displaced through a proximal end of the barrel a membrane separating the vacuum chamber and the reservoir chamber and a pointed member such as one or more needles for penetrating the membrane.

No. of Pages : 27 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/12/2017

(21) Application No.201717043278 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PORTION CAPSULE AND METHOD FOR PRODUCING A BEVERAGE BY MEANS OF A PORTION CAPSULE

(51) International classification :B65D85/804
(31) Priority Document No :10 2015 109 608.0
(32) Priority Date :16/06/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2016/063215
Filing Date :09/06/2016
(87) International Publication No :WO 2016/202683
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)KRGER Marc
2)EMPL Gnter

(57) Abstract :
The invention relates to a portion capsule for producing a beverage comprising a capsule body. Said capsule body has a capsule bottom a side wall a collar edge and a lid. A cavity for accommodating a powdery granular or liquid beverage substrate is formed between the capsule bottom and the lid. A filter element is arranged in the cavity and the filter element is produced of non woven fiber material.

No. of Pages : 17 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/12/2017

(21) Application No.201717043282 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : WIPERLESS CLEANING SYSTEM FOR TRANSPARENT SURFACES USING AIR JETS

(51) International classification :B60S1/54
(31) Priority Document No :PA 2015 70266
(32) Priority Date :07/05/2015
(33) Name of priority country :Denmark
(86) International Application No :PCT/DK2016/050119
Filing Date :09/05/2016
(87) International Publication No :WO 2016/177380
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)NIELSEN Dan Mnster

(57) Abstract :
The present disclosure relates to a wiperless cleaning system (1) for cleaning the surface of a windshield window light and side mirror of a vehicle or the surface of a window of a building comprising at least one air flow generator (7) a plurality of nozzles (2) and a system of pipes and/or tubes to distribute the air flow to the nozzles the system configured such that air jets (3) are ejected by the nozzles and distributed over the surface and a method for controlling the air flow of the air jets in said wiperless vehicle cleaning system.

No. of Pages : 26 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/12/2017

(21) Application No.201717043283 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : FILM LAMINATE AND LAMINATED GLASS

(51) International classification :C03C17/34,B32B9/00,C03C27/12
(31) Priority Document No :2015118546
(32) Priority Date :11/06/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/066465
Filing Date :02/06/2016
(87) International Publication No :WO 2016/199676
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)MATSUMOTO Akiyo
2)TOMIZAWA Takeshi
3)ODAKA Hidefumi
4)TAKIMOTO Yasuyuki

(57) Abstract :
In this film laminate which has a laminated film on a transparent substrate the laminated film has one or more functional layers and the laminated film has a first portion comprising a series of portions that include a first dielectric layer a first functional layer on the first dielectric layer and a second dielectric layer on the functional layer. The first functional layer is the functional layer on the side farthest from the transparent substrate among the one or more functional layers. The first functional layer is composed of ZrNx and has a refractive index n of less than 1.2 at a wavelength of 500 nm and an extinction coefficient k of greater than 6 at a wavelength of 1500 nm. In this film laminate selectivity Se expressed in terms of Tv/g satisfies 1.1Se where the visible light transmissivity is Tv(%) and the solar heat gain coefficient is g(%).

No. of Pages : 55 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043462 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : HONEYCOMB CORE WITH HIERARCHICAL CELLULAR STRUCTURE

(51) International classification	:B31D3/02,B29D99/00,B29D24/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:PCT/EP2015/061299 :21/05/2015
(87) International Publication No	:WO 2016/184528
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)PFLUG Jochen

(57) Abstract :
A hierarchical sandwich core (20) is described in the form of a honeycomb i.e. having repetitive and periodic lattice materials. The sandwich core (20) can be made up of a macroscopic honeycomb structure with sandwich cell walls having a mesoscopic cellular core. The longitudinal axis of cells of the mesoscopic honeycomb cell can be perpendicular to the longitudinal axis of the cells of the macroscopic honeycomb structure. Alternatively if a foam core is used having mesoscopic cells the shape of the mesoscopic cells can be made during the foaming process so that they are elongate in a direction perpendicular to the longitudinal axis of the cells of the macroscopic honeycomb structure.

No. of Pages : 24 No. of Claims : 46

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043465 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DENTAL CLEANING APPLIANCE WITH FLUID DELIVERY SYSTEM

(51) International classification	:A61C17/02,A61C17/22,A61C17/28
(31) Priority Document No	:1508371.0
(32) Priority Date	:15/05/2015
(33) Name of priority country	:U.K.
(86) International Application No Filing Date	:PCT/GB2015/051642 :05/06/2015
(87) International Publication No	:WO 2016/185154
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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2)COURTNEY Stephen
3)LEMON Graham
4)JONES Jason
5)BEX RUSSELL William

(57) Abstract :
A dental cleaning appliance includes a handle and a fluid delivery system for delivering a burst of working fluid to the teeth of a user. Part of the fluid delivery system including a nozzle (36) a fluid conduit (236 234) and a support (240) is moveable relative to the handle as the appliance is moved along the teeth of the user. A sensor (250) provides an output which varies with movement of that part of the fluid delivery system relative to the handle. A control circuit actuates the delivery of working fluid to the teeth of the user depending on the output from the sensor (250).

No. of Pages : 61 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043468 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SYSTEMS FOR INTERFACING BETWEEN A SYRINGE, A DRUG VIAL, AND A NEEDLE

(51) International classification :A61J1/20,
(31) Priority Document No :62/175,318
(32) Priority Date :14/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IL2016/050616
Filing Date :13/06/2016
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)DAILY, DAVID
3)DRORY, HAGAY

(57) Abstract :
Systems and devices for interfacing between a medicinal vial, a hypodermic needle, and an injection device such as a syringe, comprising a valve, functionally associated with said vial adaptor, said injection device port, and said needle, said valve having a first orientation wherein said injection device port is in fluid flow communication with said vial adaptor and a second orientation wherein said injection device port is in fluid flow communication with said hypodermic needle, wherein rotation of said injection device port between a first position and a second position thereof, drives transition of said valve from said first orientation to said second orientation.

No. of Pages : 107 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043473 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PROCESS FOR USING MOLYBDENUM AND PARTICULATE CARBON CATALYST FOR SLURRY HYDROCRACKING

(51) International classification :C10G47/12,B01J23/28,B01J21/18
(31) Priority Document No :62/235273
(32) Priority Date :30/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/054275
Filing Date :29/09/2016
(87) International Publication No :WO 2017/058976
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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2)DO Phuong T. M.
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4)HOUDEK Stephen C.

(57) Abstract :
A process and catalyst is disclosed for converting heavy hydrocarbon feed into lighter hydrocarbon products using multifunctional catalysts. Multifunctional catalysts enable use of less expensive metal by substituting expensive metals for less expensive metals with no loss or superior performance in slurry hydrocracking. Less available and expensive ISM can be replaced effectively.

No. of Pages : 23 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043474 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PROCESS FOR PURIFYING HYDROCARBON STREAMS USING LOW REACTIVITY ADSORBENTS

(51) International classification :C07C7/12,C07C7/13,C07C11/02
(31) Priority Document No :62/222326
(32) Priority Date :23/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/052992
Filing Date :22/09/2016
(87) International Publication No :WO 2017/053501
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)NOE Jason L.
3)KANAZIREV Vladislav I.

(57) Abstract :
This present disclosure relates to processes for removing contaminants from hydrocarbon streams e.g. removing chlorides CO2 COS H2S AsH3 methanol mercaptans and other S or O containing organic compounds from olefins paraffins aromatics naphthenes and other hydrocarbon streams. The process involves contacting the stream with an adsorbent which comprises a zeolite an alumina component and a metal component e.g. sodium in an amount at least 30% of the zeolite s ion exchange capacity.

No. of Pages : 13 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043117 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ANTIBODY

(51) International classification :G01N33/68,C07K14/705,C07K14/525
(31) Priority Document No :1510758.4
(32) Priority Date :18/06/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2015/074527
Filing Date :22/10/2015
(87) International Publication No :WO 2016/202414
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)PORTER John Robert
3)LAWSON Alastair
4)LIGHTWOOD Daniel John
5)WOOTTON Rebecca Jayne

(57) Abstract :
It has been demonstrated that certain compounds bind to TNF and stabilise a conformation of trimeric TNF that binds to the TNF receptor. Antibodies which selectively bind to complexes of such compounds with TNF superfamily members are disclosed. These antibodies may be used to detect further compounds with the same activity and as target engagement biomarker.

No. of Pages : 74 No. of Claims : 77

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043118 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : COMBINATION OF CHEMICAL ADDITIVES FOR ENHANCEMENT OF WATER FLUX OF A MEMBRANE

(51) International classification	:B01D71/06,B01D61/02,B01D63/10
(31) Priority Document No	:14/730151
(32) Priority Date	:03/06/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/035546 :02/06/2016
(87) International Publication No	:WO 2016/196814
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)FOSTER Alexis
3)SONG Keunwon
4)LEE Young Ju
5)SHIN Chongkyu

(57) Abstract :
Provided is an interfacial polymerization process for preparation of a highly permeable thin film composite membrane which can be used for nanofiltration or forward or reverse osmosis for use with tap water seawater and brackish water particularly for use with brackish water at low energy conditions. The process includes contacting a porous support membrane with an aqueous phase containing a polyamine and a flux enhancing combination which includes a metal chelate additive containing a bidentate ligand and a metal atom or metal ion and a dialkyl sulfoxide to form a coated support membrane and applying an organic phase containing a polyfunctional acid halide to the coated support membrane to interfacially polymerize the polyamine and the polyfunctional acid halide to form a discrimination layer of the thin film composite membrane. Also provided are the membranes prepared by the methods and reverse osmosis modules containing the membranes.

No. of Pages : 59 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043119 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ANTIBODY EPITOPE

(51) International classification :G01N33/68,C07K14/705,C07K14/525
(31) Priority Document No :1510758.4
(32) Priority Date :18/06/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2015/074532
Filing Date :22/10/2015
(87) International Publication No :WO 2016/202415
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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6)WOOTTON Rebecca Jayne

(57) Abstract :
It has been demonstrated that certain compounds bind to TNF and stabilise a conformation of trimeric TNF that binds to the TNF receptor. Antibodies which selectively bind to complexes of such compounds with TNF superfamily members are disclosed. These antibodies may be used to detect further compounds with the same activity and as target engagement biomarker.

No. of Pages : 79 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043120 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : CHEMICAL ADDITIVES FOR WATER FLUX ENHANCEMENT

(51) International classification :B01D71/00,B01D71/02,B01D71/06
(31) Priority Document No :14/799427
(32) Priority Date :14/07/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/KR2016/007201
Filing Date :04/07/2016
(87) International Publication No :WO 2017/010718
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)JEON Hyung Joon
2)KOEHLER Jeff
3)CHOI Hyungsam

(57) Abstract :
Provided are flux enhancing inclusion complexes for preparing highly permeable thin film composite membranes and processes that include adding the flux enhancing inclusion complexes to the organic phase or aqueous phase prior to interfacial polymerization of the thin film composite membrane. The thin film composite membranes are suitable for nanofiltration and reverse and forward osmosis. The provided processes can include contacting a porous support membrane with an aqueous phase containing a polyamine to form a coated support membrane and applying an organic phase containing a polyfunctional acid halide and a flux enhancing inclusion complex to the coated support membrane to interfacially polymerize the polyamine and the polyfunctional acid halide to form a discrimination layer to form thin film composite membranes.

No. of Pages : 46 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043121 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : MECHANISM OF ACTION

(51) International classification :G01N33/68,C07D401/14,C07K14/525
(31) Priority Document No :1510758.4
(32) Priority Date :18/06/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2015/074490
Filing Date :22/10/2015
(87) International Publication No :WO 2016/202411
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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4)KROEPLIEN Boris
5)RAPECKI Stephen Edward
6)NORMAN Timothy John
7)MCMILLAN David James
8)WARRELLOW Graham John
9)BROOKINGS Daniel Christopher
10)ALEXANDER Rikki Peter

(57) Abstract :
The invention is in the field of TNF signalling. Compounds have been identified which are capable of modulating signalling of TNF trimers through receptors. Methods of identifying such compounds are therefore provided. The compounds themselves have utility in therapy.

No. of Pages : 47 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/12/2017

(21) Application No.201717043289 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SECOND PASS LACTOSE CRYSTALLIZATION

(51) International classification :A23C21/00,A23C1/00,C07H3/04
(31) Priority Document No :PA201500313
(32) Priority Date :29/05/2015
(33) Name of priority country :Denmark
(86) International Application No :PCT/EP2016/061976
Filing Date :27/05/2016
(87) International Publication No :WO 2016/193138
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)SCHNFELDT Henrik
3)WAGNER Peter

(57) Abstract :
The invention is concerned with a batch method for obtaining crystallized lactose and arrangement configured for executing the method. The method comprises obtaining initially from a lactose crystallization process mother liquor and wash water generated in that process. The obtained mother liquor and wash water are collected and not discarded. Thereafter the collected mother liquor and wash water are subjected to purification and concentration in a batch process contrary to the known continuous processes performed independently of the lactose crystallization process. Aqueous solutions comprising lactose obtained as a result of the independent purification and concentration process accordingly comprise reduced amounts of the impurities usually comprised in the by products of the lactose crystallization process. The aqueous solution comprising lactose can then be collected and re used as a lactose source in a lactose crystallization process either on the same process equipment which supplied the original batch or on separate equipment. The method of the invention minimizes loss of lactose in one or more waste streams.

No. of Pages : 35 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/12/2017

(21) Application No.201717043307 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ULTRASMALL NANOPARTICLES AND METHODS OF MAKING AND USING SAME

(51) International classification :A61K47/48,A61K9/14,A61K9/16
(31) Priority Document No :62/156380
(32) Priority Date :04/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/030752
Filing Date :04/05/2016
(87) International Publication No :WO 2016/179260
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)WIESNER Ulrich B.
2)MA Kai
3)MENDOZA Carlie

(57) Abstract :
An aqueous synthesis methodology for the preparation of silica nanoparticles (SNPs) core shell SNPs having for example a size of 2 to 15 nm and narrow size dispersion with size control below 1 nm i.e. at the level of a single atomic layer. Different types of dyes including near infrared (NIR) emitters can be covalently encapsulated within and brightness can be enhanced via addition of extra silica shells. The surface may be functionalized with polyethylene glycol (PEG) groups and optionally specific surface ligands. This aqueous synthesis methodology also enables synthesis of 2 to 15 nm sized fluorescent core and core shell aluminosilicate nanoparticles (ASNPs) which may also be surface functionalized. Encapsulation efficiency and brightness of highly negatively charged NIR fluorophores is enhanced relative to the corresponding SNPs without aluminum.

No. of Pages : 51 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/12/2017

(21) Application No.201717043309 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ENABLING TIME OVERLAPPING COMMUNICATION USING CSMA/CA AND OFDMA

(51) International classification :H04W72/12,H04W74/00,H04W74/02
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2015/063039
Filing Date :11/06/2015
(87) International Publication No :WO 2016/198107
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
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1)WILHELMSSON Leif

(57) Abstract :
A method for an access point of a wireless communication network is disclosed. The access point is adapted to use a communication channel resource to communicate with a plurality of first wireless communication devices using orthogonal frequency division multiple access (OFDMA) and to communicate with a plurality of second wireless communication devices using carrier sense multiple access with collision avoidance (CSMA/CA). The communication channel resource comprises a bandwidth (200) of frequencies the bandwidth of frequencies being dividable into a plurality of sub carriers for OFDMA and a part (201) of the bandwidth of frequencies forming a primary channel for CSMA/CA. The method comprises transmitting a downlink packet over all frequencies of the bandwidth for triggering one or more of the first wireless communication devices to perform OFDMA based uplink transmission. The downlink packet comprises an indication of an allocation of one or more sub carriers to each of the triggered first wireless communication devices for the OFDMA based uplink transmission and the allocated sub carriers for OFDMA and the primary channel for CSMA/CA are non overlapping. Corresponding computer program product arrangement and access point are also disclosed.

No. of Pages : 21 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043475 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PITCH SYSTEM AND METHOD FOR TEST OF A POWER BANK AND USE OF THE PITCH SYSTEM FOR PERFORMING THE METHOD

(51) International classification :F03D7/02,F03D17/00
(31) Priority Document No :PA2015 70425
(32) Priority Date :01/07/2015
(33) Name of priority country :Denmark
(86) International Application No :PCT/EP2016/064809
Filing Date :27/06/2016
(87) International Publication No :WO 2017/001321
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)DEIF A/S
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(72)**Name of Inventor :**
1)THOMSEN Jesper

(57) Abstract :
Pitch system (1) comprising at least one pitch motor drive (3) connected an electrical network (5). Each pitch motor drive (3) is connected to a power bank and the pitch system comprises a test module adapted to be activated in a test position. The test module comprises a brake module (8) each connected to a pitch motor drive (3) and each brake module (8) is adapted to load a pitch motor drive (3) with a certain load Rb. Hereby a voltage drop takes place over the power bank (6). The power bank (6) is separated into a number of power blocks (9) and the voltage drop V of each power block (9) is adapted to be registered by the test module when the brake module (8) is activated.

No. of Pages : 16 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043476 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SOLAR CELL PIECE SOLAR CELL MODULE CELL PIECE UNIT AND PREPARATION METHOD THEREFOR

(51) International classification	:H01L31/042,H01L31/0224,H01L31/05
(31) Priority Document No	:201510267213.5
(32) Priority Date	:22/05/2015
(33) Name of priority country	:China
(86) International Application No Filing Date	:PCT/CN2016/073451 :04/02/2016
(87) International Publication No	:WO 2016/188145
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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1)LU Qiankun

(57) Abstract :
A solar cell piece a solar cell module a cell piece unit and a preparation method therefor. The solar cell piece comprises an aluminum back field coating a silicon chip layer and thin gate lines (4). A front surface of the solar cell piece is partitioned into at least two independent areas at least one front main gate line (3) being disposed at an edge of one side of each area or a position close to the edge all the thin gate lines on the front surface of this area being electrically connected to the front main gate lines of this area. The solar cell piece no longer needs a plurality of traditional front longitudinal main gate lines and may no longer need a welding strip connecting process thus reducing the coverage area of main gate lines reducing the production cost and improving the efficiency of a solar cell module.

No. of Pages : 18 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043477 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PREPARATION METHOD FOR SOLAR CELL PIECE UNIT AND SOLAR CELL MODULE

(51) International classification :H01L31/0224
(31) Priority Document No :201510267213.5
(32) Priority Date :22/05/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/073452
Filing Date :04/02/2016
(87) International Publication No :WO 2016/188146
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
Provided are a solar cell module and a preparation method for a cell piece unit. The solar cell module comprises at least one solar cell piece unit group each solar cell piece unit group comprising at least two bonded cell piece units (1). Each cell piece unit comprises a front surface and a back surface wherein the front surface is provided with a power generation area (2) and front main gate lines (3) disposed at an edge of one side of the power generation area a plurality of thin gate lines (4) is disposed on the power generation area and the thin gate lines are connected to the front main gate lines; and the back surface is provided with back main gate lines (5) and an aluminum back field (6) and the front main gate lines and the back main gate lines are located on two opposite sides of the cell piece unit. The back main gate lines of one of the cell piece units are bonded and conductively connected to the front main gate lines of another cell piece unit. The cell module does not need a plurality of traditional front longitudinal main gate lines and no longer needs a welding strip connecting process thus reducing the coverage area of main gate lines reducing the production cost and improving the efficiency of the solar cell module.

No. of Pages : 44 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043482 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DELIVERY SYSTEM WITH IMPROVED DEPOSITION

(51) International classification :A61Q13/00,A61K8/11,B01J13/02
(31) Priority Document No :15174539.5
(32) Priority Date :30/06/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/064975
Filing Date :28/06/2016
(87) International Publication No :WO 2017/001385
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)BERTHIER Damien
2)LEON Geraldine
3)VERHOVNIK Glenn

(57) Abstract :
The invention relates to microcapsules coated by a particular mixture of copolymers which demonstrate a high rate of deposition when applied on a substrate. The mixture of copolymers comprises a first cationic copolymer comprising acrylamidopropyltrimonium chloride and a second cationic copolymer. Those microcapsules can be used in several industries in particular in perfumery and rinse off applications. Perfuming compositions and perfumed consumer products comprising these microcapsules are also objects of the invention.

No. of Pages : 29 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043127 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : THROTTLING DEVICE AND REFRIGERATION CYCLE

(51) International classification :F25B41/06,F16K17/30
(31) Priority Document No :2015174512
(32) Priority Date :04/09/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/070858
Filing Date :14/07/2016
(87) International Publication No :WO 2017/038270
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)TOYAMA Yuichiro
3)DENDA Hiroki
4)ARAI Yoshihisa
5)YOKOTA Junichi

(57) Abstract :
A throttling device (10) for maintaining the minimum gap between a needle valve (4) and a valve port (21) which is the initial aperture before starting to increase valve aperture and also preventing the needle valve (4) from intruding into the valve port (21). To this end the throttling device (10) is equipped with a valve seat (2) in which a valve port (21) for connecting a primary chamber (11) and a secondary chamber (12) is formed a needle valve (4) the needle part (43) of which is inserted into the valve port (21) a guide part (3) for guiding the sliding shaft (41) of the needle valve (4) and a coil spring (6) for biasing the needle valve (4) in the valve closing direction. The guide part (3) and the coil spring (6) are positioned on the primary chamber (11) side. The position of the needle valve (4) in the valve closing direction is restricted by a stopper part (13) in a manner such that the minimum gap between the needle valve (4) and the valve port (21) is maintained. Furthermore the needle valve (4) is not seated on the valve seat (2).

No. of Pages : 15 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043131 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SCREW COMPRESSOR AND MACHINE BODY THEREOF

(51) International classification :F04C18/16,F04C29/04,F04C29/12
(31) Priority Document No :201510585999.5
(32) Priority Date :15/09/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/082363
Filing Date :17/05/2016
(87) International Publication No :WO 2017/045411
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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4)LIU Hua
5)BI Yushi
6)PENG Yanhai
7)LIN Shuru
8)XU Kang
9)MA Bin
10)MENG Qiangjun
11)ZHAO Zhaorui
12)CHEN Wenqing
13)XING Ziwen

(57) Abstract :
A screw compressor and a machine body thereof. The machine body comprises a shell (1) and the shell (1) is provided with an air suction port (11) and an exhaust end face (12). A rotor cavity and a sliding valve cavity (14) are formed in the shell (1). The shell (1) is further provided with a cooling cavity (15) around the rotor cavity. The cooling cavity (15) is communicated with the air suction port (11). The cooling cavity (15) is further provided with an air inlet and the air inlet is communicated with the rotor cavity. After a refrigerant enters the air suction port (11) the refrigerant enters the cooling cavity (15) first and then enters the rotor cavity through the air inlet. By means of such a structural design the refrigerant taking in air flows in the cooling cavity (15); the temperature of the refrigerant sucking air is relatively low and the temperature of the outer wall of the rotor cavity is relatively high so that the rotor cavity can be fully cooled with the flowing of the refrigerant and an exhaust temperature can be prevented from being too high. Besides due to the flowing of the refrigerant noise and vibration generated by the rotor cavity can be fully absorbed and noise of the whole compressor is further lowered.

No. of Pages : 5 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043134 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : LARGE SURFACE LAMINATING SYSTEM AND METHOD

(51) International classification :B29C63/02,B32B37/06,B32B37/00
(31) Priority Document No :15170912.8
(32) Priority Date :05/06/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/062417
Filing Date :01/06/2016
(87) International Publication No :WO 2016/193326
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
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2)PEROTTI Daniele
3)BROUWERS Bouke Jan
4)DE BOER Jan

(57) Abstract :
There is provided a laminating system (30) comprising a laminating module (200) and a transportation module (100) wherein the transportation module (100) is arranged to automatically drive the laminating module (200) over a surface (10) to be laminated. Here the surface (10) to be laminated is large and maintained substantially stationary. The transportation module (100) includes a retaining means and a drive means. The retaining means resists movement of the laminating module (200) relative to the surface (10) except when the laminating module is driven by the drive means. The laminating module (200) includes an unwind unit (210) adapted to receive a roll of laminate (20). The laminate (20) comprises an adhesive film and first release layer. The unwind unit (210) is adapted to allow the laminate to be unwound from the roll. A first release layer discard unit is provided. The first release layer discard unit is adapted to remove the first release layer from the laminate. The laminating module (200) includes a first pressing unit (240). The first pressing unit (240) is adapted to press the film onto the surface (10). Here the retaining means is adapted to resist a pressing force applied by the first pressing unit (240) and acting to move the laminating module (200) away from the surface. As the transportation module (100) automatically drives the laminating module (200) over the surface the pressing unit (240) presses the film to the surface.

No. of Pages : 15 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/12/2017

(21) Application No.201717043315 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SYSTEMS AND METHODS FOR EXTENDING CREDIT TO SMALL/MEDIUM SIZED ENTERPRISES

(51) International classification :G06Q20/24
(31) Priority Document No :14/735763
(32) Priority Date :10/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/034034
Filing Date :25/05/2016
(87) International Publication No :WO 2016/200609
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)BHAGAT Deepankar
2)MCCARTHY Michael Denis
3)EKSELIUS Erik Lukas
4)SAVOYE Mark N.

(57) Abstract :
A credit account is established for a merchant. A variable credit limit is set for the credit account. An indication is received that the merchant has accepted a payment account transaction to be charged to a customer s payment account. A transaction amount may be associated with the payment account transaction. The indication may also indicate that the payment account transaction has been authorized by an issuer of the customer s payment account. There may be a response in real time to the indication by instantaneously increasing the variable credit limit for the merchant s credit account by an amount that corresponds to the transaction amount.

No. of Pages : 20 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/12/2017

(21) Application No.201717043316 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD AND SYSTEM FOR DYNAMIC LINKING OF OFFERS TO TRANSACTION ACCOUNTS

(51) International classification :G06Q30/02
(31) Priority Document No :14/744696
(32) Priority Date :19/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/032992
Filing Date :18/05/2016
(87) International Publication No :WO 2016/204918
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)CELORIO MARTINEZ Jose luis
2)NARAYANAN Sheila

(57) Abstract :
A method for linking a transaction account to an offer includes: storing a plurality of account profiles each profile including data related to a transaction account including an account identifier; receiving offer data from an entity the data including data related to an offer for the purchase of goods or services; storing an offer data entry the data entry including the offer data; generating an offer identifier associated with the offer data; transmitting the offer identifier to the entity; receiving an offer acceptance notification the notification including a specific account identifier and the offer identifier; identifying a specific account profile that includes the specific account identifier; and updating at least one of the specific account profile and the offer data entry to indicate a linkage of the related transaction account to the offer data.

No. of Pages : 22 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/12/2017

(21) Application No.201717043317 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SYSTEMS AND METHODS FOR USE IN AUTHENTICATING INDIVIDUALS IN CONNECTION WITH PROVIDING ACCESS TO THE INDIVIDUALS

(51) International classification :G06F21/32,G06F21/34
(31) Priority Document No :62/190284
(32) Priority Date :09/07/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/041511
Filing Date :08/07/2016
(87) International Publication No :WO 2017/008013
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)JANGI Arvind

(57) Abstract :
Systems devices and methods are directed toward authenticating users to provide access to the users. A portable communication device suitable for use in authenticating a user includes a memory including a reference biometric for a user a biometric reader and a processor coupled to the memory and biometric reader. The processor is configured to among other operations compare a biometric of the user as captured at the biometric reader to the reference biometric stored in the memory. When the captured biometric matches the reference biometric the processor is configured to authenticate the user and transmit an authentication signal to thereby provide access to the user. In various aspects the authentication signal includes an identifier associated with the user whereby other devices are able to recognize the user and authenticate the user based on the authentication signal generally without the user being separately authenticated at the other devices.

No. of Pages : 22 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/12/2017

(21) Application No.201717043318 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD AND SYSTEM FOR FRAUD CONTROL BASED ON GEOLOCATION

(51) International classification :G06Q20/40
(31) Priority Document No :14/755262
(32) Priority Date :30/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/034033
Filing Date :25/05/2016
(87) International Publication No :WO 2017/003591
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
A method for fraud control of a transaction account based on geolocation includes: storing in an account database an account profile including data related to a transaction account including a first profile rule associated with a first geographic area and a second profile rule associated with a second geographic area different from the first; receiving an authorization request for a first transaction involving a first payment card the request including a first geographic location; receiving an authorization request for a second transaction involving a second payment card the request including a second geographic location; determining validation for each authorization request wherein each is determined to be valid if the geographic location is in a geographic area corresponding to the first geographic area or the second geographic area; and transmitting the determination of validation for each authorization request to a payment network for processing of the associated payment transaction.

No. of Pages : 22 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043483 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : THROTTLING DEVICE AND REFRIGERATION CYCLE

(51) International classification :F25B41/06,F16K17/30
(31) Priority Document No :2015174513
(32) Priority Date :04/09/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/070859
Filing Date :14/07/2016
(87) International Publication No :WO 2017/038271
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)TOYAMA Yuichiro
3)DENDA Hiroki
4)ARAI Yoshihisa
5)YOKOTA Junichi

(57) Abstract :
A throttling device (10) capable of achieving stable operation by preventing foreign matter from adhering to a coil spring (6) and also capable of preventing an unusual noise from occurring by reducing coil spring (6) vibrations caused by the flow of a coolant. To this end the throttling device (10) is equipped with a valve seat (2) in which a valve port (21) for connecting a primary chamber (11) and a secondary chamber (12) is formed a needle valve (4) the needle part (43) of which is inserted into the valve port (21) a guide part (3) for guiding the sliding shaft (41) of the needle valve (4) and a coil spring (6) for biasing the needle valve (4) in the valve closing direction. The guide part (3) and the coil spring (6) are positioned on the primary chamber (11) side. The coil spring (6) is covered by a stopper part (14). The gap between the stopper part (14) and a main body case (1) functions as a main body channel (10a) for delivering a coolant from the primary chamber (11) to the valve port (21).

No. of Pages : 25 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043484 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DRILL BIT AND PRODUCTION METHOD

(51) International classification :B23B51/02,B21H3/10,B23P15/32
(31) Priority Document No :15172463.0
(32) Priority Date :17/06/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/063565
Filing Date :14/06/2016
(87) International Publication No :WO 2016/202768
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)PETERS Carsten
3)SCHROEDER Florian

(57) Abstract :
A drill bit (1) has along a drill bit axis (6) a drilling head (2) a multi start helix (3) made of two or more helical coils (12) and an insertion end (4). The helix (3) has a helix slope (19) and a pitch (20) in a delivery region (15). In an outlet region (17) of the helix (3) said outlet region being directed towards the insertion end (4) the helical coils (12) merge continuously within a first portion (26) from orientation in alignment with the helix slope (19) into orientation parallel to the drill bit axis (6). A length (30) of the portion (26) is at least quarter the pitch (20) of the delivery region (15). The helical coils (12) in a second portion (27) are oriented parallel to the drill bit axis (6).

No. of Pages : 11 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043487 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SAND MOULDING MACHINE AND METHOD OF PRODUCING SAND MOULD PARTS

(51) International classification :B22C11/10,B22C19/04
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/IB2015/054235
Filing Date :04/06/2015
(87) International Publication No :WO 2016/193790
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)BAY Christoffer
3)JOHANSEN Jrn
4)DAM Christian
5)HAGEMANN Flemming Floro

(57) Abstract :
The moulding machine includes a moulding chamber having at least one chamber end wall provided with a pattern plate adapted to form a pattern in a mould part and associated with a reference pattern block positioned in fixed relationship to a pattern of said pattern plate and adapted to form a reference pattern in an external face of a mould part. The reference pattern block includes a face having a tangent varying in a longitudinal direction of the moulding chamber and being adapted to form a corresponding reference pattern in the sand mould part. A non contact detection system (87) detects the position of a number of different points (P1 P2) distributed over the pattern face of the reference pattern in the longitudinal direction of the sand mould part and the tangent (T1 T2) in the longitudinal direction of the sand mould part is different between at least two of said points.

No. of Pages : 55 No. of Claims : 88

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043492 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : RADIATION CURABLE POLYURETHANE BASED BINDER DISPERSION

(51) International classification	:C09D11/03,C09D11/30,C09D11/102
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:PCT/US2015/057800 :28/10/2015
(87) International Publication No	:WO 2017/074349
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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3)ABELOVSKI Benjamin
4)SARKISIAN George

(57) Abstract :
A radiation curable polyurethane based binder dispersion includes water and a radiation curable polyurethane dispersed in the water. The polyurethane is formed from: a polyisocyanate; a polyol having a chain with two hydroxyl functional groups at one end of the chain and no hydroxyl groups at an opposed end of the chain and having a number average molecular weight ranging from about 500 to about 5 000; an acrylate or methacrylate the acrylate or methacrylate having at least one hydroxyl functional group and having an acrylate functional group or a methacrylate functional group; an alcohol or a diol or an amine having a number average molecular weight less than 600; and a sulfonate or sulfonic acid having one or two amino functional groups.

No. of Pages : 48 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/12/2017

(21) Application No.201717043319 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : MULTI MODE PAYMENT SYSTEMS AND METHODS

(51) International classification :G06Q20/32
(31) Priority Document No :62/195446
(32) Priority Date :22/07/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/043544
Filing Date :22/07/2016
(87) International Publication No :WO 2017/015556
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)SHAH Nishith

(57) Abstract :
Systems methods apparatus and computer program code are provided to receive payment card and mobile identity information from a mobile device associated with a user determine account and mobile device eligibility and capability and in the case where the mobile device is NFC capable triggering a tokenization process to generate a tokenization record associated with the payment card storing the payment card information associated with the user securely and transmitting card reference information associated with at least one of (i) the tokenization record and (ii) the stored payment card information to the mobile device for use in transactions.

No. of Pages : 13 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/12/2017

(21) Application No.201717043321 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD FOR PRODUCING THIOEPOXY BASED OPTICAL MATERIAL AND POLYMERIC COMPOSITION FOR THIOEPOXY BASED OPTICAL MATERIAL

(51) International classification :G02B1/04,C08G18/38,C08L63/00
(31) Priority Document No :1020150062518
(32) Priority Date :04/05/2015
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2016/004728
Filing Date :04/05/2016
(87) International Publication No :WO 2016/178522
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)JANG Dong Gyu
2)ROH Soo Gyun

(57) Abstract :
The present invention relates to a method for producing a thioepoxy based optical material and a polymeric composition for a thioepoxy based optical material and in particular to a production method which can obtain a thioepoxy based optical material having good color being capable of inhibiting polymerization imbalance and having good thermal resistance and to a polymeric composition therefor. The present invention provides a method for producing a thioepoxy based optical material comprising a step of obtaining a bis(2 mercaptoethyl) sulfide compound in the form of a synthetic product comprising less than 3% by weight of at least one of 2 2 [2 (2 mercaptoethylthio)ethoxy] ethanol and 1 2 5 trithiepane. Also the present invention provides a polymeric composition for a thioepoxy based optical material comprising the bis (2 mercaptoethyl) sulfide compound in the form of a synthetic product and a thioepoxy compound. According to the present invention it is possible to obtain a high quality of thioepoxy based optical material which has good thermal resistance and of which coloration and polymerization imbalance are suppressed by a simple and easy method.

No. of Pages : 37 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043332 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SERIES INDUCTION DC MOTOR

(51) International classification :H02K21/24,H02K16/04
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2015/065701
Filing Date :20/05/2015
(87) International Publication No :WO 2016/185620
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)NISHIMURA Masayuki

(57) Abstract :
Provided is a DC motor which rotates a rotor having permanent magnets (3) that have been magnetized. A housing (1) of the motor can be made thin as a result of the motor having a configuration such that fixed armatures (2) around which coils are wound sandwich both sides in the rotation shaft (4) direction of the rotor which is a combination of at least two permanent magnets (3). Further it is theoretically possible to add in series and in an alternating manner the permanent magnet rotor (3) of the same structure and the fixed armatures (2) in the shaft extension direction of the tip of the fixed armatures (2) and thus it becomes possible to obtain an even greater rotational force. In the case of claim 2 the motor has a configuration in which at a predetermined position parallel with the rotation shaft (4) fixed permanent magnet (8) N S poles are disposed on the left and right sides of the rotor having a structure in which arranged with the rotation shaft (4) in the center are three armatures (10) formed by winding a coil around an iron rod and due to this configuration the motor rotates due to the application of current through a brush (12). The motor is such that rotation is smooth because rotation is induced from the left and right sides of the armatures by using the permanent magnets (8) and the housing can be made thin.

No. of Pages : 5 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043136 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SYSTEM AND METHOD FOR USING PER APPLICATION PROFILES IN A COMPUTING DEVICE

(51) International classification	:G06F21/62,H04W12/04,H04W12/08
(31) Priority Document No	:14/733859
(32) Priority Date	:08/06/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/036271 :08/06/2016
(87) International Publication No	:WO 2016/200842
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)NATH Suman Kumar
3)OLUWAFEMI Temitope
4)ROESNER Franziska
5)KOHNO Tadayoshi

(57) Abstract :
Systems and methods for creating and managing per application profiles are disclosed. A method may include receiving input designating at least a first profile policy and a second profile policy. At least a first application profile and a second application profile may be created based on the received first profile policy and the second profile policy. An application of the plurality of applications may be associated with both the first application profile and the second application profile. A first storage partition and a second storage partition may be created within a storage space of the computing device. The storage space may be associated with the application. The first storage partition may store application data while the application is running under the first application profile. The second storage partition may store application data while the application is running under the second application profile.

No. of Pages : 26 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043137 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : LIMITED ACCESS FUNCTIONALITY ACCESSIBLE AT LOGIN SCREEN

(51) International classification :G06F21/62
(31) Priority Document No :14/733608
(32) Priority Date :08/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/035944
Filing Date :06/06/2016
(87) International Publication No :WO 2016/200708
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
Techniques and technologies for providing limited access functionality accessible at a login screen (or lock screen) of a device are described. In at least some embodiments a system includes a user interface operatively coupled to a processing component; and one or more instructions stored on a memory that when executed by the processing component are configured to: (a) generate a login portion displayed on the user interface the login portion configured to receive at least one user access credential to determine whether to provide access to one or more authorized access functionalities; and (b) generate a limited access functionality access portion displayed on the user interface concurrently with the login portion the limited access functionality access portion configured to provide access to at least one limited access functionality without requiring receipt of the at least one user access credential.

No. of Pages : 30 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043139 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : AIRCRAFT WING SYSTEM

(51) International classification :B64C9/24
(31) Priority Document No :1510687.5
(32) Priority Date :18/06/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2016/051816
Filing Date :17/06/2016
(87) International Publication No :WO 2016/203256
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
An aircraft wing system and method comprising: an aircraft wing (102) including upper and lower surfaces and a leading edge between the upper and lower surfaces; a fairing (200) coupled to the leading edge; and actuation means configured to move the fairing (200) relative to the aircraft wing (102) between a stowed position a first deployed position and a second deployed position. The stowed position is when the fairing (200) is in contact with the aircraft wing (102) and serves as a continuation of the aircraft wing (102). The first deployed position is when the fairing (200) is in contact with the aircraft wing (102) and located below the stowed position. The second deployed position is when the fairing (200) is spaced apart from the leading edge to create a gap (402 500) between the fairing (200) and the leading edge.

No. of Pages : 16 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043141 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : INHIBITOR OF THE MUTATED ISOCITRATE DEHYDROGENASE IDH1 R132H

(51) International classification	:C07D235/30,A61K31/4184,A61P35/00
(31) Priority Document No	:15178419.6
(32) Priority Date	:27/07/2015
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2016/067477 :22/07/2016
(87) International Publication No	:WO 2017/016992
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(57) Abstract :
The present invention relates to the adduct (2E) but 2 enedioic acid 3 (2 {[4 (trifluoromethoxy)phenyl]amino} 1 [(1R 5R) 3 3 5 trimethylcyclohexyl] 1H benzimidazol yl)propanoic acid (1:4) methods for preparing this adduct pharmaceutical compositions comprising this adduct and also the use of this adduct for preparing a medicament for the treatment of a disease.

No. of Pages : 24 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043556 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : VEGFR 2 TARGETING DNA VACCINE FOR COMBINATION THERAPY

(51) International classification :A61K39/00,A61K39/39
(31) Priority Document No :15001803.4
(32) Priority Date :18/06/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/001004
Filing Date :16/06/2016
(87) International Publication No :WO 2016/202459
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
The present invention relates to an attenuated strain of Salmonella comprising at least one copy of a DNA molecule comprising an expression cassette encoding a VEGF receptor protein for use in the treatment of cancer wherein the treatment further comprises the administration of at least one further anti cancer agent. The present invention further relates to a pharmaceutical composition comprising an attenuated strain of Salmonella comprising at least one copy of a DNA molecule comprising an expression cassette encoding a VEGF receptor protein wherein the pharmaceutical composition further comprises at least one further attenuated strain of Salmonella comprising at least one copy of a further DNA molecule comprising a further expression cassette encoding a tumor antigen or a tumor stroma antigen.

No. of Pages : 46 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043557 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : CONTAINER WASHING AND DETERGENT FOR USE THEREOF

(51) International classification :C11D11/00,C11D3/04,C11D3/20
(31) Priority Document No :62/158032
(32) Priority Date :07/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/030146
Filing Date :29/04/2016
(87) International Publication No :WO 2016/179009
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)WATKINSON Walter John
3)BASAR Petr
4)SELLE Christian

(57) Abstract :
The presently disclosed subject matter is directed a method of cleaning a container said method comprising: a. providing a container; b. cleaning the container with an acidic detergent composition at 30 60C for 1 15 minutes wherein the detergent composition having based on the total weight of the composition about 1 60 weight percent of an acid about 1 60 weight percent of a solvent and and about 1 10 weight percent of a nonionic surfactant; c. rinsing the container with water; d. cleaning the container with caustic solution at 30 60C for 0.5 15 minutes; and e. rinsing the container with potable water. The method is used to clean and/or disinfect a wide variety of products (such as bottles) in the food dairy beverage brewery and soft drink industries.

No. of Pages : 26 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043558 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PRODUCTION LINE FOR THE PRODUCTION OF MEDICINAL PRODUCTS AND PRODUCTION PLANT COMPRISING SUCH A PRODUCTION LINE

(51) International classification :A61J3/06,A61J3/08,B29C47/00
(31) Priority Document No :15 55783
(32) Priority Date :23/06/2015
(33) Name of priority country :France
(86) International Application No :PCT/EP2016/064539
Filing Date :23/06/2016
(87) International Publication No :WO 2016/207279
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)BRUGGEMAN Donatien
3)MAYER Hans

(57) Abstract :
This production line (12) designed for the production of medicinal products containing at least one active ingredient comprises an extruder (20) for producing an extrudate from the active ingredient and from at least one excipient intended to form a matrix for encapsulating the active ingredient and a member (24) for cooling the extrudate as it leaves the extruder (20). The extruder (20) comprises a barrel (30) and at least two parallel screws (32) housed inside the barrel (30) and intermeshing with one another to knead the or each active ingredient into the or each excipient. The barrel (30) is oriented substantially vertically and the footprint of the production line (12) is less than 0.5 m2.

No. of Pages : 10 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043561 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SYNTHESIS OF ORGANIC PEROXYDES USING AN OSCILLATORY FLOW MIXING REACTOR

(51) International classification :B01J19/24,C07C407/00
(31) Priority Document No :1560186
(32) Priority Date :26/10/2015
(33) Name of priority country :France
(86) International Application No :PCT/EP2016/075834
Filing Date :26/10/2016
(87) International Publication No :WO 2017/072190
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)HUB Serge

(57) Abstract :
The present invention concerns a method and an apparatus(10 20) for a continuous preparation of organic peroxides with the reactor comprising at least one flow channel (1 1a 1b) configured as a reaction zone; an inlet system (2) in fluid communication with a first end of the at least one flow channel and configured for introducing two or more substances or a combination of substances into the at least one flow channel; an outlet system (3) in fluid communication with a second end of the at least one flow channel the second end being located downstream of the first end and the outlet system being configured for extracting a reaction product present at the second end; an oscillatory system (4 5) configured for superimposing an oscillatory flow on the flow of substances passing through the at least one flow channel the oscillatory being effected in at least a section of the at least one flow channel; and a controller configured to implement the method by controlling the inlet system to introduce according to a first time characteristic at least two substances or a combination of substances into the at least one flow channel the oscillatory system to superimpose an oscillatory flow on at least a part of the flow of substances passing through the at least one flow channel and the outlet system to extract on an ongoing basis the reaction product formed in the flow channel from the substances introduced such that the output mass flow rate corresponding to the sum of the input mass flow rates.

No. of Pages : 29 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043565 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ROLLED STAINLESS STEEL OBJECT AND MANUFACTURING METHOD THEREFOR

(51) International classification :B21H8/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/IB2015/054390
Filing Date :10/06/2015
(87) International Publication No :WO 2016/198915
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)DAMASSE Jean Michel
3)HAEGELI Franoise

(57) Abstract :
The invention relates to a rolled stainless steel object characterized in that the surface thereof has a raised and indented pattern comprising a random juxtaposition of at least two types of polygons (4). Each of said polygons (4) has at least three sides a surface area of between 1 and 9 mm2 and a difference between its smallest and largest dimension of between 0.5 and 3 mm. Each polygon (4) is made up of substantially parallel rectilinear scratches (5) that have a depth of from 5 to 30 m and are separated by ridge lines (6) have axes that are from 0.1 to 0.3 mm from each other and a Fourier transform spectral analysis of which scratches carried out on a square of at least 100 mm2 shows that they have an isotropy of at least 40% between the rolling direction and the sideways direction and two adjacent preferred angular orientations of which scratches from among the three main preferred angular orientations thereof are spaced apart by a minimum of 20 and a maximum of 60.

No. of Pages : 9 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043568 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : INFORMATION PROCESSING DEVICE AND INFORMATION PROCESSING METHOD

(51) International classification	:H04N21/235,H04N21/435,H04N21/8543
(31) Priority Document No	:2015119362
(32) Priority Date	:12/06/2015
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2016/065867 :30/05/2016
(87) International Publication No	:WO 2016/199609
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
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2)YAMAGISHI Yasuaki

(57) Abstract :
The present invention relates to an information processing device and an information processing method which enable configuring an AdaptationSet that does not include Representations. A file generation device configures a first AdaptationSet which includes multiple Representations that correspond to an encoded stream of a prescribed bit rate and a second AdaptationSet which does not include Representations. This invention can be applied for example to a file generation device in an information processing system which delivers to a video playback terminal an encoded stream of mosaic images as images of video content in a manner conforming to MPEG DASH.

No. of Pages : 61 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043578 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : HEATING GLAZING WITH THINNED OUTER SHEET OF GLASS AND HEATING LAYER WITH FLOW SEPARATION LINES

(51) International classification :B32B17/10,B64C1/14,H05B3/86
(31) Priority Document No :1556269
(32) Priority Date :02/07/2015
(33) Name of priority country :France
(86) International Application No :PCT/FR2016/051652
Filing Date :30/06/2016
(87) International Publication No :WO 2017/001792
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)TONDU Thomas
2)CHAUSSADE Pierre
3)LEGOIS Vincent

(57) Abstract :
The invention relates to: laminated glazing (1) including a first structural ply (4) attached to a first sheet of glass (2) of 0.5 to 1.5 mm in thickness by means of a first adhesive interlayer (3) said first sheet of glass (2) making up a first outer surface (21) of the laminated glazing (1) the surface of said first sheet of glass (2) directed toward said first adhesive interlayer (3) supporting a first conductive heating layer (11) of 2 angstroms of 500 nm in thickness and said first conductive heating layer (11) having flow separation lines of 0.05 to 0.2 mm in thickness spaced 8 to 20 mm apart; and the application of this glazing as aircraft or helicopter cockpit glazing.

No. of Pages : 8 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043581 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SHOWERHEAD SHOWERHEAD FLUID CONCENTRATOR AND METHOD

(51) International classification :B05B3/02,B05B1/18,B05B3/04
(31) Priority Document No :62/157334
(32) Priority Date :05/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/030830
Filing Date :04/05/2016
(87) International Publication No :WO 2016/179316
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)IRWIN Jere F.

(57) Abstract :
A showerhead is provided having a housing a perforate partition and a nozzle body. The housing has a fluid inlet and a fluid outlet. The perforate partition is provided in the housing between the inlet and the outlet and has at least one peripheral fluid passage communicating with the fluid inlet. Each peripheral fluid passage communicates at a downstream end with an inwardly extending peripheral slot and each slot communicates at a downstream end with a mixing cavity. The nozzle body is carried by the housing downstream of the mixing cavity and has a compression port at an upstream end and an outlet port at a downstream end in fluid communication with the compression port. A method is also provided.

No. of Pages : 32 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043583 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : CLEANING APPLIANCE

(51) International classification :A61C17/02,A46B11/00
(31) Priority Document No :1508364.5
(32) Priority Date :15/05/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2016/051150
Filing Date :25/04/2016
(87) International Publication No :WO 2016/185167
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)COURTNEY Stephen
3)STICKNEY Timothy
4)TWEEDIE Robert
5)MIGHALL Scott

(57) Abstract :
A dental cleaning appliance (10) includes a handle a fluid reservoir (34) for storing a working fluid and a fluid delivery system for receiving working fluid from the fluid reservoir (34) and for delivering the working fluid to the teeth of a user. The fluid reservoir is delimited by a wall (132) and a movable member which is moveable relative to the wall (132) to vary the volume of the fluid reservoir (34). An expansion chamber (148) is located adjacent to the moveable member. The volume of the fluid reservoir (34) decreases and the volume of the expansion chamber (148) increases as fluid is supplied to the fluid delivery system during use of the appliance.

No. of Pages : 61 No. of Claims : 51

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043589 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : CURING OVEN FOR CROSSLINKING A CONTINUOUS MAT OF INORGANIC OR PLANT FIBRES

(51) International classification :F27B9/10,B29C35/06,D04H1/645
(31) Priority Document No :1555612
(32) Priority Date :19/06/2015
(33) Name of priority country :France
(86) International Application No :PCT/FR2016/051477
Filing Date :17/06/2016
(87) International Publication No :WO 2016/203170
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)BAUDOUIN Bernard
2)NGUYEN Christine

(57) Abstract :
Curing oven for crosslinking a continuous mat (12) of inorganic or plant fibres comprising a plurality of heating chambers (20) through which said mat of fibres (12) passes in succession said oven being characterized in that at least one of said chambers further comprises between the exterior insulating jacket (49) of the oven and the central compartment (40) of said chamber an integrated hot gas recirculation and heating device comprising: at least one radial turbine (50) mounted horizontally on the upper wall (45) or the lower wall (46) of the central compartment (40) its axis of rotation arranged vertically said turbine drawing in hot gas along said axis through a gas outlet orifice (48) of the central compartment (40) after the gas has passed through the mat (12) and discharging it radially toward curing means (51 52) means (51 52) for recirculating the hot gas leaving the radial turbine (50) as far as an inlet orifice (47) via which the gas enters the compartment (40) said recirculation means being arranged at least in part on at least one lateral wall (43 44) of the compartment at least one means (53) of heating the gas circulating in said chamber.

No. of Pages : 20 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043591 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD FOR SELECTIVELY MANUFACTURING ANTIBODY DRUG CONJUGATE

(51) International classification :C07K16/00,A61K31/40,A61K31/4745
(31) Priority Document No:2015129692
(32) Priority Date :29/06/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/069068
Filing Date :28/06/2016
(87) International Publication No :WO 2017/002776
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)SAKURAI Ken
3)OKAJIMA Daisuke

(57) Abstract :
A method for manufacturing an antibody drug conjugate composition comprising (i) a step for reacting an antibody with a reducing agent in a buffer solution to reduce the interchain disulfides and (ii) a step for reacting a drug linker intermediate with the antibody having a thiol group obtained in step (i) the manufacturing method being characterized in that: the reaction temperature in step (i) is 10C to 10C; the average number of coupled drugs in the manufactured antibody drug conjugate composition is 3.5 to 4.5; and the proportion of antibody drug conjugates in which four drug linkers are coupled to a heavy light interchain thiol is 50% or higher. An antibody drug conjugate composition in which the average number of coupled drugs is 3.5 to 4.5 and the proportion of antibody drug conjugates in which four drug linkers are coupled to a heavy light interchain thiol is 50% or higher.

No. of Pages : 139 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043601 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PORTABLE REFRIGERATOR AND METHOD OF USING

(51) International classification :F25D11/00
(31) Priority Document No :62/161173
(32) Priority Date :13/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2016/000790
Filing Date :14/05/2016
(87) International Publication No :WO 2016/181223
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)PAYEA Keith B.
3)MCCREA James

(57) Abstract :
A portable refrigeration system for use in transport of medicines or other valuable temperature sensitive materials is disclosed. The system can use GPS positioning technology to provide absolute global location along with internet connection through a cellular modem on board which allows for communication to the cloud of temperature and transit data during device use. The refrigerator can be powered by a rechargeable battery back that may be recharged through connection to AC mains supply or connection to the photovoltaic panel included with the device. The insulated container can be held at a constant temperature through the use of vacuum insulated panel construction. The device can be cooled through the use of thermoelectric cooling modules coupled to the insulated chamber and paired with a heat exchanger with heat pipes and a system fan. The device can be operated either through the included graphical user interface display via touch or buttons or it may be accessed and controlled by a remote computer through the cloud via a cellular connection.

No. of Pages : 19 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/11/2017

(21) Application No.201717039825 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : INTELLIGENT FILTER CONSTRUCTION FOR ELECTRICAL APPLIANCES, IN PARTICULAR DRYING/WASHING-DRYING MACHINES, METHOD FOR MAKING THE CONSTRUCTION, AND METHOD FOR DETECTING IN REAL TIME A PARTIAL OR TOTAL CLOGGING OF THE CONSTRUCTION AND A VALUE OF RESIDUAL MOISTURE FOR OPTIMIZING THE OPERATING CYCLE OF THE APPLIANCE

(51) International classification :B01D46/00,B01D46/44
(31) Priority Document No :MI2015A000681
(32) Priority Date :14/05/2015
(33) Name of priority country :Italy
(86) International Application No :PCT/IB2016/000640
Filing Date :13/05/2016
(87) International Publication No :WO 2016/181210
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)DEBANDI Paolo
3)LUCIGNANO Carmine
4)MUZYCZUK Anna Maria

(57) Abstract :
An intelligent filter construction for household appliances, in particular for drying/washing-drying machines, for separating solid particles from liquid or gaseous fluids, comprises a synthetic monofilament precision fabric material, of a weft and warp type, with which is integrally associated a capacitive sensor adapted to measure in real time values of a moisture in an air flow passing through the fabric material thereby optimizing the household appliance operating cycle.

No. of Pages : 11 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/11/2017

(21) Application No.201717039826 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : HERMOLUMINESCENT AND SUPERPARAMAGNETIC COMPOSITE PARTICLE AND MARKING COMPRIS - ING SAME

(51) International classification	:C09K9/00,C01G19/02,C01G49/08
(31) Priority Document No	:PCT/EP2015/063759
(32) Priority Date	:18/06/2015
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2016/063762 :15/06/2016
(87) International Publication No	:WO 2016/202862
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(57) Abstract :
Disclosed is a composite particle for use in a marking that is suitable for identification/authentication purposes. The particle comprises at least one superparamagnetic portion and at least one thermoluminescent portion coated with an thermoisolating portion. Optionally also a thermoconductive portion between the superparamagnetic and thermoluminscent portions.

No. of Pages : 25 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201718021757 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : MOTOR-ACTUATED HANDHELD PRESSING UNIT AND A METHOD FOR OPERATING THE SAME

(51) International classification :B21D39/04
(31) Priority Document No :102007023068.2
(32) Priority Date :16/05/2007
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2008/056033
Filing Date :16/05/2008
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :7361/DELNP/2009
Filed on :13/11/2009

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(72)**Name of Inventor :**
1)EGBER TFRENKEN

(57) Abstract :
Motor-actuated handheld pressing unit, with a fixed part and a moving part, the moving part being moved in relation to the fixed part by a hydraulic piston that runs in a hydraulic cylinder and is movable back into a starting position by means of a return spring, characterized in that, a pressure sensor which detects the pressure of the hydraulic medium in the hydraulic cylinder is provided, and in that the pressure is measured at a time interval of less than one second.

No. of Pages : 39 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2017

(21) Application No.201718022075 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : A METHOD FOR GENERATING A DATA PROFILE FOR ONE OF MORE BIOMARKERS

(51) International classification :G06F 19/24
(31) Priority Document No :0800981.3
(32) Priority Date :18/01/2008
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2009/000106
Filing Date :16/01/2009
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :5070/DELNP/2010
Filed on :13/07/2010

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2)OWEN, Richard, Harley, Grenville
3)CORRIGAN, Joseph, Peter
4)NEUDECK, Thomas
5)SCUDAMORE, Andrew, Peter
6)HOURMAND, Yannick, Pierre, Louis

(57) Abstract :
The present invention relates to a method for generating a data profile for one of more biomarkers emanating from the wall of a blood vessel, which method comprises analysing a plurality of blood samples from a bloodstream that has been mixed substantially across the radial extent of the blood vessel to include blood present in the boundary layer at the blood vessel wall, the blood samples being taken at respective locations along a length of the blood vessel, the analysis including the steps of: measuring a concentration level of a biomarker in each blood sample; determining a first concentration correction factor for each respective blood sample to correct for differences in sample volume and dilution between different blood samples; determining a second concentration correction factor to correct for a measured background concentration level for the biomarker present in general circulation within the bloodstream; for each blood sample, applying a respective first and the second concentration correction factor to the measured concentration level of the biomarker in each blood sample to determine a corrected concentration level of the biomarker; and, generating a data profile of corrected concentration levels for the biomarker along the length of the blood vessel. Figure 1

No. of Pages : 48 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017

(21) Application No.201718022303 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : A CUTTER BLADE FOR A DEBURRING APPARATUS

(51) International classification :B26D7/08,
(31) Priority Document No :NA
(32) Priority Date : -
(33) Name of priority country :
(86) International Application No :PCT/JP2007/075193
Filing Date :27/12/2007
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :4556/DELNP/2010
Filed on :24/06/2010

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(72)**Name of Inventor :**
1)NORIO TANAKA

(57) Abstract :
A cutter blade (10, 30, 40, 50, 60, 70) for a deburring apparatus (1) for cutting out burr of a work that has a cutting edge portion (10A, 30A, 40A, 50A, 60A, 70A) corresponding to the root of burr; and a copying portion (10B, 30B, 40B, 50B, 60B, 70B) which corresponds to a face portion of the work and does not constitute a cutting edge, wherein the tip position of the cutting edge (10A1, 30A1) of the cutting edge portion is located at the same position as a copying face constituting the copying portion or located to be farther away from the work than the copying face; and wherein a smoothing portion (10A2, 30A2, 70B1, 70B2, 70B3) for smoothing a portion deburred by the cutting edge portion is provided at a rear side of the cutting edge portion in a feeding direction of the cutter blade, characterized in that a lower face (10C1) of the cutting edge portion which is located at a rear side of the smoothing portion in the feeding direction is configured to be separated form the work by a predetermined angle O. Fig. 1

No. of Pages : 62 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/09/2017

(21) Application No.201718032676 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHODS AND SYSTEMS OF USING EXOSOMES FOR DETERMINING PHENOTYPES

(51) International classification :C12Q1/68
(31) Priority Document No :61/114,045
(32) Priority Date :12/11/2008
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2009/006095
Filing Date :12/11/2009
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :3508/DELNP/2011
Filed on :11/05/2011

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2)POSTE, George
3)KLASS, Michael

(57) Abstract :
Exosomes can be used for detecting biomarkers for diagnostic, therapy-related or prognostic methods to identify phenotypes, such as a condition or disease, for example, the stage or progression of a disease. Cell-of-origin exosomes can be used in profiling of physiological states or determining phenotypes. Biomarkers or markers from cell-of-origin specific exosomes can be used to determine treatment regimens for diseases, conditions, disease stages, and stages of a condition, and can also be used to determine treatment efficacy. Markers from cell-of-origin specific exosomes can also be used to identify conditions of diseases of unknown origin.

No. of Pages : 319 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/09/2017

(21) Application No.201718032788 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : LOCK FOR SECURING WEAR PARTS TO EARTH-WORKING EQUIPMENT

(51) International classification :A01B39/20
(31) Priority Document No :60/814,670
(32) Priority Date :16/06/2006
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2007/013953
Filing Date :13/06/2007
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :9650/DELNP/2008
Filed on :13/06/2007

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(57) Abstract :
A lock for securing a wear part to earth-working equipment that is foldable between a retaining position to hold the wear part to the equipment and a release position that permits removal of the lock and release of the wear part from the equipment. The lock includes a retainer for releasably holding the lock in the retaining position. The retainer may comprise a threaded wedge received into a complementary threaded passage.

No. of Pages : 32 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/10/2017

(21) Application No.201718037400 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : HERBICIDAL COMPOSITIONS CONTAINING BENZOYLPYRAZOLE COMPOUNDS

(51) International classification :A01N63/00
(31) Priority Document No :2008-316203
(32) Priority Date :11/12/2008
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2009/071004
Filing Date :10/12/2009
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :4381/DELNP/2011
Filed on :09/06/2011

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2)NAGAYAMA, Souichiro
3)SANO, Makiko

(57) Abstract :
Many herbicidal compositions have been developed and used, but there are many types of weeds to be controlled, and their development lasts for a long period of time. Accordingly, it has been desired to develop a herbicidal composition having a wider herbicidal spectrum and having a highly active and long-lasting herbicidal activity. The present invention provides a herbicidal composition which comprises as active ingredients (a) a herbicidal benzoylpyrazole compound represented by the formula (I) or its salt: wherein R1 is alkyl or cycloalkyl, R2 is a hydrogen atom or alkyl, R3 is alkyl, R4 is alkyl, haloalkyl or the like, R5 is a hydrogen atom, alkyl or the like, R6 is haloalkyl, halogen or the like, and A is alkylene substituted by alkyl, and (b) other herbicidal compound.

No. of Pages : 82 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201718037786 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : CROSS-SPECIES-SPECIFIC BISPECIFIC BINDERS

(51) International classification :C07K16/30
(31) Priority Document No :07006990.1
(32) Priority Date :03/04/2007
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2008/002663
Filing Date :03/04/2008
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :7030/DELNP/2009
Filed on :02/11/2009

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1)KUFER, Peter
2)RAUM, Tobias
3)KISCHEL, Roman
4)LUTTERBSE, Ralf
5)HOFFMANN, Patrick
6)KLINGER, Matthias
7)RAU, Doris
8)MANGOLD, Susanne

(57) Abstract :
The present invention relates to a polypeptide comprising a first human binding domain capable of binding to an epitope of human and non-chimpanzee primate CD3 (epsilon) chain and a second binding domain capable of binding to EGFR, Her2/neu or IgE of a human and/or a non-chimpanzee primate as well as to a process for the production of the mentioned polypeptide. The invention further relates to nucleic acids encoding for the polypeptide, to vectors comprising the same and to host cells comprising the vector. In another aspect, the invention provides for a pharmaceutical composition comprising the mentioned polypeptide and medical uses of the polypeptide.

No. of Pages : 283 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/11/2017

(21) Application No.201718039660 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : CATHETER PUMP FOR CIRCULATORY SUPPORT

(51) International classification :A61M1/12
(31) Priority Document No :0801459-9
(32) Priority Date :23/06/2008
(33) Name of priority country :Sweden
(86) International Application No :PCT/SE2009/000318
Filing Date :22/06/2009
(87) International Publication No :WO/2009/157840
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :7249/DELNP/2010
Filed on :13/10/2010

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)REITAN, –yvind
2)EPPLE, Klaus

(57) Abstract :
A catheter pump intended to be inserted in the circulatory system of a mammal, for example for assisting the heart. The catheter pump comprises: a hollow catheter (2); a drive cable (1) arranged in a lumen (6) of the catheter (2); a sheath (3) surrounding the hollow catheter (2); a drive shaft (5) connected to a distal end of the drive cable (1) to be rotated by the drive cable; a propeller (4) arranged at the drive shaft; and a cage (11) surrounding the propeller. The propeller and the cage are moveable from a folded position, wherein the catheter pump has a small cross-sectional dimension of about 3.3 mm to an unfolded position wherein the unfolded cage surrounds the unfolded propeller and the size of the cage is about 19.5 mm. The drive shaft comprises a distal bearing (24) and a proximal bearing (25). A purge system is arranged for passing fluid in a lumen (7) along the hollow catheter to the proximal bearing, for purging and lubrication of the proximal bearing. The fluid is returned outside the drive wire. A portion of the fluid is passed into channels (22) for passing fluid from the proximal bearing to the distal bearing, for purging and lubrication of the distal bearing.

No. of Pages : 39 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037580 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : POLYPEPTIDES TARGETING HIV FUSION

(51) International classification :C07K14/78,A61K38/00
(31) Priority Document No :62/152271
(32) Priority Date :24/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/027424
Filing Date :14/04/2016
(87) International Publication No :WO 2016/171980
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)KRYSTAL Mark R.
2)WENSEL David L.
3)DAVIS Jonathan

(57) Abstract :
The invention is directed to polypeptides comprising a CD4 binding moiety a gp41 binding moiety a HIV fusion peptide inhibitor moiety and combinations thereof. More specifically the present invention relates to polypeptides comprising a fibronectin based scaffold domain protein that binds CD4 a fibronectin based scaffold domain protein that binds the N17 domain of gp41 and a HIV fusion peptide inhibitor or combinations thereof. The invention also relates to the use of the innovative proteins in therapeutic applications to treat HIV.

No. of Pages : 86 No. of Claims : 52

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037581 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PROPPANT HAVING NON UNIFORM ELECTRICALLY CONDUCTIVE COATINGS AND METHODS FOR MAKING AND USING SAME

(51) International classification :C09K8/80
(31) Priority Document No :62/148422
(32) Priority Date :16/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/027917
Filing Date :15/04/2016
(87) International Publication No :WO 2016/168719
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)CANNAN Chad
2)BARTEL Lewis
3)ROPER Todd

(57) Abstract :
Electrically conductive proppant particles having non uniform electrically conductive coatings are disclosed. The non uniform electrically conductive coatings can have a thickness of at least about 10 nm formed on an outer surface of a sintered substantially round and spherical particle wherein less than 95% of the outer surface of the sintered substantially round and spherical particle is coated with the electrically conductive material. Methods for making and using such electrically conductive proppant particles having non uniform electrically conductive coatings are also disclosed.

No. of Pages : 44 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/10/2017

(21) Application No.201717037584 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : 2 THIOPYRIMIDINONES

(51) International classification :C07D239/56,A61K31/505,A61P9/00
(31) Priority Document No :62/157067
(32) Priority Date :05/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2016/052279
Filing Date :21/04/2016
(87) International Publication No :WO 2016/178113
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)PFIZER INC.
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(72)**Name of Inventor :**
1)RUGGERI Roger

(57) Abstract :
Myeloperoxidase inhibitor pharmaceutical compositions containing the inhibitor and the use of the inhibitor to treat for example cardiovascular conditions.

No. of Pages : 42 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/10/2015

(21) Application No.2989/DEL/2015 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : HAIR GROWTH STIMULANT AND PREPARATION METHOD THEREOF

(51) International classification :A61K
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)Deltahex Innovation Pvt. Ltd
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(72)**Name of Inventor :**
1)Sajal Halder

(57) Abstract :
The present invention provides a novel compound of Formula-I, process for preparation of the same, composition comprising of the same and use of these compounds for prevention of hair fall and restoration of hair growth cycle.

No. of Pages : 46 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/06/2017

(21) Application No.201714020168 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SURFACE TREATMENT METHOD AND SURFACE TREATMENT DEVICE

(51) International classification :C25D17/00
(31) Priority Document No :2016-121911
(32) Priority Date :20/06/2016
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)Hiroyuki INOUE
2)Kazuomi YAMANISHI
3)Shinnichi HIRAMATSU
4)Izuru YAMAMOTO

(57) Abstract :
There is provided a surface treatment method in which a processing gas (G2) is brought in contact with a heated processing object made of steel (P), an element in the processing gas (G2) is solid-solutionized, and thus a surface treatment is performed on the processing object (P). The processing object (P) is heated to a heating temperature (Tl) in a vicinity of a processing temperature (T3) at which the surface treatment is performed by heating an atmosphere in which the processing object (P) is disposed. The surface treatment is performed by bringing the processing gas in contact with a surface of the processing object (P) while the processing object (P) which is heated is directly heated to the processing temperature (T3). SELECTED DRAWING: FIG 3

No. of Pages : 36 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/06/2017

(21) Application No.201714020476 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : LIGHT SOURCE MODULE, ASSEMBLY AND LIGHTING AND/OR SIGNALING APPARATUS

(51) International classification :F21Y101/00
(31) Priority Document No :201610412935.X
(32) Priority Date :13/06/2016
(33) Name of priority country :China
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)YANG, Pingwu
2)ZHOU, Haiqing
3)CHEN, Si
4)FAN, Lei

(57) Abstract :
The present disclosure provides a light source module and a light source assembly. The light source module includes: a light source unit; an optical element arranged in an optical path of a light emitted from the light source unit and arranged to deviate the light emitted from the light source unit; and a bracket on which the light source unit and the optical element are mounted, the bracket has at least one pair of fitting portions, and each pair of fitting portions includes a first fitting portion and a second fitting portion that have shapes matched with each other. The present disclosure also provides a lighting and/or signaling apparatus comprising the above light source module or the light source assembly.

No. of Pages : 20 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/06/2017

(21) Application No.201714020513 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PHARMACEUTICAL COMPOSITION FOR DECREASING THE SIDE EFFECTS OF CANCER DRUG, AND MANUFACTURING METHOD AND USES THEREOF

(51) International classification :A61P
(31) Priority Document No :105118779
(32) Priority Date :15/06/2016
(33) Name of priority country :Taiwan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)KUO, Dai-Ming

(57) Abstract :
The present invention provides a pharmaceutical composition comprising a mushroom, a rhizome, a fruit, a leaf, a flower, an alga, an energy-rich liquid, a salt-rich liquid, an assist agent and an anti-oxide agent. Said pharmaceutical composition has ability to protect liver, improve autoimmunity, reduce pain caused by cancer, protect an organ from the side-effects caused by chemical cancer drugs and increase the functions of chemical cancer drugs.

No. of Pages : 40 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201718043425 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : A METHOD AND APPARATUS FOR DELIVERY OF DIGITAL TELEVISION AND INTERACTIVE BROADBAND SERVICE

(51) International classification :G06Q30/02,
(31) Priority Document No :11/713,383
(32) Priority Date :02/03/2007
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2007/023249
Filing Date :05/11/2007
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :6343/DELNP/2009
Filed on :05/10/2009

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(72)**Name of Inventor :**
1)WILLIAM J. ROUHANA, JR

(57) Abstract :
A method for delivery of digital television and interactive broadband service using the same portion of the digital broadcast spectrum, the method comprising the steps of: broadcasting a digital television signal to a given broadcast area: (a) in a first frequency band within a portion of the digital broadcast spectrum and delivering interactive broadband service within at least a portion of the same broadcast area covered by the broadcast digital television signal in a second frequency band within the same portion of the digital broadcast spectrum occupied by the digital television signal; or (b) in a frequency band within one or more licensed portions of the digital broadcast spectrum and delivering interactive broadband service within at least a portion of the same broadcast area covered by the broadcast digital television signal, in a frequency band within an unlicensed portion of the digital broadcast spectrum; or (c) within a portion of the digital broadcast spectrum and delivering interactive broadband service within at least a portion of the same broadcast area covered by the broadcast digital television signal in the same portion of the digital broadcast spectrum occupied by the digital television signal, wherein the step of broadcasting a digital television signal and the step of delivering interactive broadband service occur simultaneously.

No. of Pages : 54 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/11/2017

(21) Application No.201715039554 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD OF ACQUISITION AND PROCESSING OF INTAKE PRESSURE SIGNAL IN INTERNAL COMBUSTION ENGINE WITHOUT INTAKE MANIFOLD

(51) International classification :F01K15/00
(31) Priority Document No :07425411.1
(32) Priority Date :05/07/2007
(33) Name of priority country :EPO
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :1598/DEL/2008
Filed on :03/07/2008

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2)LORIS LAMBERTINI
3)FRANCESCO ALUNNI
4)MATTEO DOMENICO ALBERTAZZI
5)MARCO MONTAGUTI

(57) Abstract :
Method of acquisition and processing of an intake pressure signal in an internal combustion engine (1) without an intake manifold, the internal combustion engine (1) including at least one cylinder (2) that receives fresh air through an intake port (3), which is controlled by a butterfly valve (7) and is provided with a pressure sensor (9) connected to an electronic control unit (8); to determine the atmospheric pressure when the internal combustion engine (1) is running and the butterfly valve (7) is not completely open the following steps are performed: measuring, via the pressure sensor (9) the instantaneous induction pressure at a plurality of different crank angl.es distributed in a measurement window (W); determining a compensation factor dependent on the engine speed and the position of the butterfly valve (7); and determining the atmospheric pressure by applying the compensation factor to the mean of the instantaneous induction pressures measured in the measurement window (W).

No. of Pages : 17 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/04/2016

(21) Application No.201611015147 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : FUNGICIDAL MIXTURE COMPRISING MANCOZEB

(51) International classification :A01N43/40
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)MOHAN JITENDRA

(57) Abstract :
The invention herein relates to a synergistic fungicidal composition comprising agrochemically effective amounts of dithiocarbamate and penconazole and to a process for preparing said fungicidal composition in the form of a dry flowable (DF) formulation by mixing said composition with suitable adjuvants or excipients.

No. of Pages : 32 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/04/2017

(21) Application No.201714014803 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : INFUSION CANNULA-BASED IOP SENSOR

(51) International classification :A61B3/16
(31) Priority Document No :15/139,799
(32) Priority Date :27/04/2016
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)KASHANI, Pooria Sharif

(57) Abstract :
An ophthalmic surgical system enabling pressure measurements proximal to the eye may include an illumination probe having a probe tip configured for insertion through an incision in an eye of a patient. The probe tip may include a distal end of an optical fiber, wherein the distal end of the optical fiber includes a first reflective surface and a second reflective surface. The first and second reflective surfaces being separated by a cavity, wherein the second reflective surface is provided by a partially transparent wall forming an exterior surface of the distal end of the optical fiber.

No. of Pages : 36 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/04/2017

(21) Application No.201714014920 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : BACKPLANE SUBSTRATE AND ORGANIC LIGHT EMITTING DIODE DISPLAY USING THE SAME

(51) International classification	:H01L
(31) Priority Document No	:10-2016-0053476
(32) Priority Date	:29/04/2016
(33) Name of priority country	:Republic of Korea
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)OH, Kum-Mi
2)EOM, Hye-Seon

(57) Abstract :
Disclosed are a backplane substrate which may secure sufficient storage capacitance even when using small sub-pixels in a structure having very high resolution, and an organic light emitting diode display using the same. The backplane substrate includes storage capacitors including a first storage electrode, a second storage electrode partially overlapping the first storage electrode, a second storage connection electrode overlapping the first and second storage electrodes and connected to the second storage electrode at a first node, and a first storage connection electrode overlapping the second storage connection electrode m1d connected to the first storage electrode at a second node at which the first and second storage electrodes do not overlap each other, in a storage capacitor region defined by intersecting a scan line, a first voltage line and a data line in each subpixel.

No. of Pages : 59 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/11/2017

(21) Application No.201718039862 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : THERMO-KINETIC MIXING FOR PHARMACEUTICAL APPLICATIONS

(51) International classification :A61K9/20
(31) Priority Document No :60/957,044
(32) Priority Date :21/08/2007
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2008/073913
Filing Date :21/08/2008
(87) International Publication No :WO/2009/026461
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :1989/DELNP/2010
Filed on :19/03/2010

(71)**Name of Applicant :**
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2)Dispersol Technologies, LLC
(72)**Name of Inventor :**
1)BROUGH, Chris
2)MCGINITY, James, W.
3)MILLER, Dave, A.
4)DINUNZIO, James, C.
5)WILLIAMS, Robert, O., III

(57) Abstract :
Compositions and methods for making a pharmaceutical dosage form include making a pharmaceutical composition that includes one or more active pharmaceutical ingredients (API) with one or more pharmaceutically acceptable excipients by thermokinetic compounding into a composite. Compositions and methods of preprocessing a composite comprising one or more APIs with one or more excipients include thermokinetic compounding, comprising thermokinetic processing the APIs with the excipients into a composite, wherein the composite can be further processed by conventional methods known in the art, such as hot melt extrusion, melt granulation, compression molding, tablet compression, capsule filling, film-coating, or injection molding.

No. of Pages : 69 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037761 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : OPTIMISED METHOD FOR DECONTAMINATING THE STARCH USED AS A RAW MATERIAL FOR OBTAINING GLUCOSE POLYMERS INTENDED FOR PERITONEAL DIALYSIS

(51) International classification :C08B30/04,A61K31/718,C08B30/18
(31) Priority Document No :1555077
(32) Priority Date :04/06/2015
(33) Name of priority country :France
(86) International Application No :PCT/FR2016/051325
Filing Date :03/06/2016
(87) International Publication No :WO 2016/193634
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)DUPONT Thierry
3)ALLAIN Fabrice
4)CARPENTIER Mathieu
5)HACINE GHERBI Hla
6)DENYS Agn¨s

(57) Abstract :
The present invention concerns a method for decontaminating the starches used as a raw material for the preparation of glucose polymers intended for peritoneal dialysis the method comprising the following steps: preparing a Waxy corn starch placing the Waxy starch in suspension at a concentration of between 20 and 40% dry matter in a process water at a pH of between approximately 5 and approximately 6 in particular approximately 5.5 treating the starch suspension with a peracetic acid solution at a concentration equal to or between 100 and 500 ppm preferably 300 ppm dewatering the starch then dissolving in demineralised water adjusted to a pH of between approximately 5 and approximately 6 in particular approximately 5.5 and at a concentration of between 20 and 40% dry matter increasing the temperature to 107 °C then adding an alpha amylase for 15 minutes optionally treating with an enzymatic preparation having detergent and clarification properties filtering the suspension on a bed of diatoms treating with an active carbon having a very high adsorption capacity of pharmaceutical quality and of microporous porosity treating with a second active carbon of mesoporous porosity optionally passing over a macroporous adsorbent polymer resin having a porosity greater than 100 angstroms optionally continuous 5000 Da ultrafiltration safety filtration through a sterile filter having a porosity of 0.22 µm.

No. of Pages : 28 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/10/2017

(21) Application No.201717037762 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DEVICE FOR HANDLING AT LEAST ONE HOSE AND A FUEL DISPENSING UNIT HAVING SUCH A DEVICE

(51) International classification :B67D7/38,B67D7/40
(31) Priority Document No :15504707
(32) Priority Date :21/04/2015
(33) Name of priority country :Sweden
(86) International Application No :PCT/EP2016/058768
Filing Date :20/04/2016
(87) International Publication No :WO 2016/169988
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)LARSSON Bengt I.
2)OHLIN Nina
3)SANCHEZ MOLINERO David

(57) Abstract :
Device (2; 2 ; 2) for handling at least one hose a fuel dispensing unit (1) comprising a hollow frame element (7; 7 ; 7) and having a first outer end and a second outer end opposite to said first outer end a first guiding element (10; 11; 14; 15; 10 ; 11 14 ; 15 ; 10; 11; 20; 21; 22; 24; 25; 29; 30; 31) arranged in said frame element an elastic element (9; 13; 9 ; 13 ; 9; 13; 23; 28) extending horizontally in said frame element (7; 7 ; 7) from a first fastening point to a second fastening point said elastic element (9; 13; 9 ; 13 ; 9; 13; 23; 28) being guided by said first guiding element (10; 11; 14; 15; 10 ; 11 ; 14 ; 15 ; 10; 11; 20; 21; 22; 24; 25; 29; 30; 31) and a first hose guiding means being arranged adjacent to first end of said frame element (7; 7 ; 7) and adapted to guide said at least one hose (3; 3 ; 3). The first fastening point is positioned on said first hose guiding means (12; 16; 12 ; 16 ; 17 ; 19 ; 12; 16; 17; 19; 26; 27; 32; 33) such that said first hose guiding means (12; 16; 12 ; 16 ; 17 ; 19 ; 12; 16; 17; 19; 26; 27; 32; 33) is movable away from said frame element (7; 7 ; 7) allowing said at least one hose (3; 3 ; 3) to be pulled from an idle position to an operating position.

No. of Pages : 16 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043358 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DEVICE FOR EVAPORATIVE DELIVERY OF VOLATILE SUBSTANCE

(51) International classification :A61L9/12,A01M1/20
(31) Priority Document No :62/163069
(32) Priority Date :18/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/033034
Filing Date :18/05/2016
(87) International Publication No :WO 2016/187274
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)PARRINELLO Luciano M.

(57) Abstract :
The invention is directed to a device for evaporative delivery of volatile substances. The device includes (a) a reservoir portion containing a liquid volatile substance the reservoir having an open cavity with a peripheral portion; (b) a microporous membrane having a first and second surface positioned over the reservoir said membrane being affixed to the peripheral portion of the reservoir and wherein the second surface of the membrane contacts the liquid volatile substance the microporous membrane further including a barrier coating layer over the first surface of the microporous membrane; and (c) a removable cap layer having a first surface and a second surface wherein an adhesive layer is interposed between the first surface of the microporous membrane and the second surface of the cap layer such that the microporous vapor permeable membrane and the liquid volatile substance are substantially sealed beneath the cap layer.

No. of Pages : 29 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201717043397 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : AN ASSEMBLY COMPRISING AN OSTOMY DEVICE AND A PACKAGE FOR THE OSTOMY DEVICE

(51) International classification :A61F5/445,A61J1/00
(31) Priority Document No :PA 2015 70350
(32) Priority Date :04/06/2015
(33) Name of priority country :Denmark
(86) International Application No :PCT/DK2016/050163
Filing Date :03/06/2016
(87) International Publication No :WO 2016/192738
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)ISRAELSON Dorrit Diana

(57) Abstract :
An assembly (100) for an ostomy device (104) comprises a package (102). The package (102) comprises at least a first and a second package portion (106 108) which are interconnected in such a way that the package (102) is in a closed state when the first and second package portions (106 108) are in a first mutual position and such that the package (102) is in an open state when the first and second package portions (106 108) are in a second mutual position. The assembly further comprises a release liner (110) which at least partially covers the adhesive front surface of the ostomy device (104) at least in the closed state of the package. At least a portion of the release liner (110) is attached to the package (102) or formed integrally therewith.

No. of Pages : 8 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/11/2015

(21) Application No.2842/DEL/2015 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : AN IMPROVED PROCESS FOR SPREADING WATER BASED ADHESIVE IN TYRE RETREADING AND REPAIRING •

(51) International classification :B29D
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)UNIPATCH RUBBER LTD.
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(72)**Name of Inventor :**
1)Amlesh Roy

(57) Abstract :
The present invention relates to a process for spreading water based adhesive in tyre retreading. More particularly the present invention relates to a process for spreading water based adhesive via using spray gun process in tyre retreading.

No. of Pages : 30 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/11/2017

(21) Application No.201717040289 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : STERILE APPARATUS FOR RAPID COOLING OF HOT WATER •

(51) International classification :F28D15/00,F28F27/00,G05D23/00
(31) Priority Document No :238731
(32) Priority Date :10/05/2015
(33) Name of priority country :Israel
(86) International Application No :PCT/IL2016/050446
Filing Date :01/05/2016
(87) International Publication No :WO 2016/181379
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)ROSENBLOOM Mely
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(72)**Name of Inventor :**
1)ROSENBLUM Reut
2)VAN DIJK Yedidya Yochai

(57) Abstract :
An apparatus for cooling liquids comprises an external tank and several internal cooling flasks. The external tank is shaped like a closed tank with a top opening. The internal cooling flasks are designed to be set inside the external tank in such a way that very narrow spaces are formed between the external walls of each cooling flask and the adjacent flasks thus forming an internal cooling space in a way that enables the user to pour of hot water into the internal cooling space and the coolant in the cooling flasks adsorbs the heat of said hot water.

No. of Pages : 8 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/11/2017

(21) Application No.201717040300 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : MANUFACTURING METHOD FOR DECORATIVE CONSTRUCTION PLATE

(51) International classification :B05D3/08,B05D1/26,B05D7/24
(31) Priority Document No :2015108849
(32) Priority Date :28/05/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/086520
Filing Date :28/12/2015
(87) International Publication No :WO 2016/189770
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)SATOU Masaki
2)SUZUKI Seiju
3)HIRAKU Masaru
4)SUGITA Shuichi

(57) Abstract :
The purpose of the present invention is to proviae a manufacturing method ior a decorative construction plate with good design, wherein when inkjet printing using an active light curing-type ink i s performed on a metal siding material (1), the uni - form wetting extendibility o f the ink can be recognized. 0 achieve the above purpose, the present invention provides a manufacturing method for a decorative construction plate that includes performing inkjet printing using an active light curing-type ink on the metal siding material (1) following flame treatment thereof under specified conditions.

No. of Pages : 36 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717040029 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : ANTI PHYTOPATHOGENIC COMPOSITIONS

(51) International classification :A01N63/02,C12N1/20
(31) Priority Document No :62/154246
(32) Priority Date :29/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IL2016/050438
Filing Date :26/04/2016
(87) International Publication No :WO 2016/174673
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)ZCHORI FEIN Einat
2)NAOR Vered
3)IASUR KRUH Lilach
4)ZEHAVI Tirza
5)MOZES DAUBE Netta

(57) Abstract :
The present invention relates to an isolated bacterium and composition comprising same having anti pathogenic activity. The invention further relates to compounds derived from said bacterium or analogs thereof and methods of using same for treating or reducing the symptoms of a pathogen including but not limited to a phytopathogen.

No. of Pages : 53 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717040030 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD AND SYSTEM FOR OPTIMIZING EXECUTION OF USER COMMANDS IN RELATION TO POWER MANAGEMENT

(51) International classification :G01R21/00
(31) Priority Document No :14/693757
(32) Priority Date :22/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/029048
Filing Date :22/04/2016
(87) International Publication No :WO 2016/172630
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)SCHAEFER George Edward L.

(57) Abstract :
A computer implemented method and system for optimizing user experience are disclosed. The method and system comprise determining a power profile of a device; determining historical behavior of at least one user and using a criterion based on power profile for checking the historical behavior of the at least one user such that if the determined power profile is equal to a first predetermined profile the device establishes a connection when the at least one user initiates a remote application to issue a command but before the command is issued; if the determined power profile is equal to a second predetermined profile the device establishes a connection based on the historical behavior of the at least one user; and if the determined power profile of the device is equal to a third predetermined profile the device establishes a connection only when the at least one user issues a command.

No. of Pages : 31 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717040041 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHODS RELATED TO VALVE ACTUATORS HAVING MOTORS WITH PEEK INSULATED WINDINGS

(51) International classification :H02K3/34,F16K31/04,G21C9/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2015/025457
Filing Date :10/04/2015
(87) International Publication No :WO 2016/164051
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)SOCHOR Nathan J.
2)BREEDING David
3)RAMSEY Kyle

(57) Abstract :
A method of operating a nuclear reactor includes operating a valve actuator to open and close a valve in fluid communication with a nuclear reactor fluid control system. The valve actuator includes a motor having windings of magnet wire. The magnet wire includes a layer of insulating material disposed over a conductor. The layer of insulating material comprises polyetheretherketone (PEEK) and has a thickness between about 0.025 mm and about 0.381 mm. A method of replacing a valve actuator motor with such a motor having windings formed of PEEK insulated magnet wire is also disclosed. A method of coupling a valve actuator with such a motor having windings formed of PEEK insulated magnet wire to a valve is also disclosed.

No. of Pages : 11 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201717040042 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PREPARATION OF RHODIUM(III)-2-ETHYLHEXANOATE

(51) International classification	:C07C45/50,C07C51/41,C07C53/128
(31) Priority Document No	:15175105.4
(32) Priority Date	:02/07/2015
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2016/065466 :01/07/2016
(87) International Publication No	:WO 2017/001647
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)DOPPIU Angelino
2)EMRICH Birgit
3)KARCH Ralf
4)RIVAS NASS Andreas
5)WOERNER Eileen

(57) Abstract :
The present invention provides a method for preparing rhodium (III) 2-ethylhexanoate solutions which supplies the reaction product with higher space yield, as well as lower sodium and chloride ion content. An aqueous solution of an alkali salt of 2-ethylhexanoate is thereby initially converted with a rhodium (III) precursor. The rhodium (III) precursor is selected from rhodium (III) chloride solution, rhodium (III) chloride hydrate, and rhodium (III) nitrate. The mixture is heated for several hours. After cooling to room temperature, the rhodium (III) 2-ethylhexanoate formed is extracted from the aqueous solution with an alcohol that is immiscible in water or a carboxylic acid that is immiscible in water, and optionally washed with aqueous mineral acid. The rhodium (III) 2-ethylhexanoate solution obtainable in this way may be used directly as catalyst in hydroformylation reactions.

No. of Pages : 21 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017

(21) Application No.201717022332 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SLIDING BOLT LATCH AND USE THEREOF

(51) International classification :E05B15/00,E05C1/08
(31) Priority Document No :62/104770
(32) Priority Date :18/01/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2016/050232
Filing Date :18/01/2016
(87) International Publication No :WO 2016/113722
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)BRAZ Alik Alexander

(57) Abstract :
A sliding bolt latch as disclosed herein is convenient to use and more reliable than counterpart door locking mechanisms of the prior art. A user may open and close a door with only one hand but the present mechanism requires both a rotational movement and a translational movement of elements against a biasing force. Such requirement makes opening doors much more difficult for livestock confined to spaces by the closed doors. Also the biasing of elements into the locking state makes embodiments of the invention less likely to unlock inadvertently in the presence of ambient vibrations.

No. of Pages : 14 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2017

(21) Application No.201717022333 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SERVICE IMPLEMENTATION

(51) International classification :G06Q30/02
(31) Priority Document No :201510068080.9
(32) Priority Date :09/02/2015
(33) Name of priority country :China
(86) International Application No :PCT/US2016/017009
Filing Date :08/02/2016
(87) International Publication No :WO 2016/130480
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)SHAO Pu
2)ZHU Yanchun

(57) Abstract :
A method including when a first extraction request that includes a primary password and is initiated by a first user is received acquiring an object set corresponding to the primary password and binding the first user to the object set; generating a secondary password corresponding to the object set and returning a request response including the secondary password to the first user so that the first user displays the secondary password to another user; and when a second extraction request that includes the secondary password and is initiated by a second user is received distributing the object set to the first user according to a processing result of the second extraction request. The technical solution of the present disclosure implement service processing based on multiple levels of passwords.

No. of Pages : 15 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/06/2016
(21) Application No.201611021704 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHODS AND SYSTEMS FOR MANAGING LOCATION BASED ALERT MESSAGES

(51) International classification	:H04N 21/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)Srinivasa Rao Polu

(57) Abstract :
A method and a system for managing alert messages in wireless communication network are provided. The method receives a broadcast alert intimation for sending alert messages to one or more communication devices in a predefined alert area. The method then identifies at least one wireless communication network facilitating communication in the predefined alert area. Further, the method selects one or more channels for delivery of the alert messages to the one or more communication devices based on at least one of network type and network capabilities of the at least one communication network, alert scenario associated with the predefined alert area, and broadcast software application associated with the one or more communication devices. Thereafter, the method sends the alert message to the one or more communication devices utilizing the one or more selected channels.

No. of Pages : 49 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/06/2016

(21) Application No.201611021796 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD AND DEVICE FOR DATA SHARING

(51) International classification :G06Q30/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)KUMAR, Mohit
2)CHAWLA, Gagan

(57) Abstract :
The invention in general relates to data sharing, and in particular to a method of data sharing between two devices, and a device thereof. A command pertaining to the data sharing between said two devices is received and at least one of said two devices is recommended about reducing a distance between said two devices to increase a data transfer rate of the data sharing. Further, a receiving device from amongst said two devices is provided an option of selecting or prioritizing files to be received in the data sharing. Furthermore, a transmitting device from amongst said two devices is provided single window graphical user interface at least for (a) selecting files to be sent in the data sharing, (b) selecting a mode of the data sharing, and (c) providing an integrated list of available receiving devices for different modes of the data sharing.

No. of Pages : 26 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2017

(21) Application No.201717038066 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PREDICTING RESPONSE TO ALVOCIDIB BY MITOCHONDRIAL PROFILING

(51) International classification :G01N33/574
(31) Priority Document No :62/150138
(32) Priority Date :20/04/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/028443
Filing Date :20/04/2016
(87) International Publication No :WO 2016/172214
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)WARNER Steven L.
2)BEARSS David J.

(57) Abstract :
The present disclosure provides diagnostic methods useful for predicting a patient s response to alvocidib and guiding a physician decision to administer alvocidib to the patient.

No. of Pages : 59 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2017

(21) Application No.201717038067 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SHAVING RAZOR CARTRIDGE

(51) International classification :B26B21/40,B26B21/56,B26B21/22
(31) Priority Document No :62/160819
(32) Priority Date :13/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/032067
Filing Date :12/05/2016
(87) International Publication No :WO 2016/183305
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)OCONNOR William Thomas
2)JOLLEY William Owen
3)BRIDGES Kelly Daniel

(57) Abstract :
A shaving razor cartridge 10 with a housing 12 having a guard 14 and a cap 18. A pair of laterally spaced apart blade stabilizers 88 90 are on the housing. A primary blade member 22 is positioned between the guard and the cap. A blade retention member 42 44 is mounted to a top surface of the housing. The primary blade member has a cutting edge 32 constrained between the blade retention member and the pair of laterally spaced apart blade stabilizers.

No. of Pages : 11 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2017

(21) Application No.201717038069 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD FOR CLOSING CARTRIDGES SUPPORTING STRUCTURE FOR SUPPORTING CARTRIDGE CLOSURES AND TRANSPORT OR PACKAGING CONTAINER

(51) International classification :A61M5/00,B65D77/04,B65B3/00
(31) Priority Document No :1590/MUM/2015
(32) Priority Date :17/04/2015
(33) Name of priority country :India
(86) International Application No :PCT/IN2016/000099
Filing Date :18/04/2016
(87) International Publication No :WO 2016/166769
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)ANIL NARAYAN NARVEKAR
2)PRATUL PRAKASH POTDAR

(57) Abstract :
In a method for closing a plurality of medical cartridges (5) a closure nest for supporting a plurality of closures is used comprising a planar supporting plate having a plurality of receptacles having a plurality of tubular receptacles (61) and retaining structures for reliably accommodating the closures (200). In the method the plurality of medical cartridges (5) is supported in a corresponding cartridge nest. The closure nest is disposed above the cartridge nest so that the receptacles of the closure nest are precisely aligned with the receptacles of the cartridge nest. The closures (200) are then pushed downward out of the receptacles of the closure nest and into the cartridges (5) while the cartridges are supported by the cartridge nest. The closure nest can be directly fed on existing filling and stoppering machine set ups for processing sealed prefillable syringe barrels basically without the necessity of changing the set up.

No. of Pages : 31 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/11/2016

(21) Application No.201614040258 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SYSTEM AND METHOD FOR CASH CURRENCY MANAGEMENT

(51) International classification :G07F19/00
(31) Priority Document No :62/354,026
(32) Priority Date :23/06/2016
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)NELABHATLA, Swathi

(57) Abstract :
The present disclosure relates to system and method for cash currency management. In an aspect, a user can be registered on a coin platform to electronically receive coin currency from a merchant in a user coin account. A financial institution can be deployed to receive credits for financial transactions from the merchant and update the credited amount in a user coin account.

No. of Pages : 52 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043611 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : WIND TURBINE ROTOR BLADE

(51) International classification :F03D80/40
(31) Priority Document No :10 2015 112 643.5
(32) Priority Date :31/07/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2016/068286
Filing Date :01/08/2016
(87) International Publication No :WO 2017/021350
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)PAWIS Torsten
2)STRICKMANN Golo

(57) Abstract :
The invention relates to a wind turbine rotor blade (200) comprising a rotor blade root region (200a) a rotor blade tip region (200b) a pressure side (200c) a suction side (200d) at least one fin (210 211 212) which extends along a longitudinal direction (L) of the rotor blade (200) and at least one deflecting unit (221 222) between an end of the at least one fin (211 212) and the rotor blade tip region (200b). The at least one deflecting unit (221 222) is designed to deflect an air flow traveling along the at least one fin (211 212). Furthermore at least one fin bead (300) is provided which is arranged in the region of the at least one fin (210 211 212) in order to reduce turbulence of the air during the deflection.

No. of Pages : 6 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201717043612 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PESTICIDALLY ACTIVE TETRACYCLIC DERIVATIVES WITH SULFUR CONTAINING SUBSTITUENTS

(51) International classification	:C07D471/04,A01N43/90,C07D491/04
(31) Priority Document No	:15174759.9
(32) Priority Date	:01/07/2015
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2016/064778 :27/06/2016
(87) International Publication No	:WO 2017/001311
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)JUNG Pierre Joseph Marcel
2)EDMUNDS Andrew
3)MUEHLEBACH Michel

(57) Abstract :
Compounds of formula (I) wherein the substituents are as defined in claim 1 and the agrochemically acceptable salts stereoisomers enantiomers tautomers and N oxides of those compounds can be used as insecticides and can be prepared in a manner known per se.

No. of Pages : 95 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/06/2016

(21) Application No.201619022037 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : APPLICATION OF BETA ZEOLITE AS MULTI-TOXIN AND PESTICIDE BINDER IN ANIMAL FEED

(51) International classification :A23K50/10
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2015/017270
Filing Date :24/02/2015
(87) International Publication No :WO/2015/130664
(61) Patent of Addition to Application Number :201617021983
Filed on :24/02/2015
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)BALAKRISHNAN, Umesh
2)MOORTHY, Rajendra

(57) Abstract :
The present invention relates to the application of beta zeolite in either a NH4+ or H+ form to animal feed as a toxin binder, wherein the beta zeolite is effective at binding pesticides commonly present in animal feed.

No. of Pages : 33 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/05/2017
(21) Application No.201714016581 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD FOR PRODUCING A SIDE-GUSSETED BAG AND FLAT, UNFILLED SIDE-GUSSETED BAG

(51) International classification :B65D33/06
(31) Priority Document No :16 170 007.5
(32) Priority Date :17/05/2016
(33) Name of priority country :EUROPEAN UNION
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)Dipl.-Ing. Jens Ksters
2)Detlef Stppelmann
3)Alfons Kruse

(57) Abstract :
The invention relates to a method for producing a side-gusseted bag in a longitudina5 l method. According to the invention, it is provided that an incision (16) extending in a transverse direction is produced in the bag film (13) for each side-gusseted bag in such a way that, in the case of a subsequently formed side-gusseted tube (14), the incision (16) extends over both side gussets (2a, 2b) and a first front wall (1a) which is situated between the side gussets (2a, 2b). Proceeding from the incision (16), the first front wall (1a), together with the corresponding parts of the side gussets (2a, 2b), is folded back, on which a separate film section (11) is placed and fastened in the folded-open region. It is also provided that the folded-over section is folded back in such a way that all connecting seams of the separate film section (11) extend in parallel to each other in the transverse direction. Fig. 3f.

No. of Pages : 29 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/05/2017

(21) Application No.201714016719 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD AND DEVICE FOR CUTTING OFF AN ELECTRIC CURRENT WITH DYNAMIC MAGNETIC BLOW-OUT

(51) International classification :H01H9/44
(31) Priority Document No :16382267.9
(32) Priority Date :10/06/2016
(33) Name of priority country :EPO
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)ANDALUZ SORL • , Jos scar

(57) Abstract :
The invention relates to a method and a device for cutting off electri5 c current. The device comprises at least one fixed contact and at least one moving contact that can move between a closed position and an open position, and at least one permanent magnet mounted together with the moving contact, such that the permanent magnet and the moving contact 10 are able to move at the same time. The magnetic field of the magnet interferes with the area where the arc occurs and moves with the moving contact along its path, so with a small number of magnets, arc quenching capacity increases. The method of the invention comprises moving a permanent magnet through the area where an electrical arc occurs 15 between a moving contact and a fixed contact, such that the generated magnetic field runs through at least part of the area where the arc occurs.

No. of Pages : 20 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/05/2017

(21) Application No.201714016727 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : MAGNETIC PHASE TRANSITION EXPLOITATION FOR ENHANCEMENT OF ELECTROMAGNETS

(51) International classification :H02K
(31) Priority Document No :1608685.2
(32) Priority Date :17/05/2016
(33) Name of priority country :U.K.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)Thales Holdings UK Plc,
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(72)**Name of Inventor :**
1)ROBERTS, Sasha
2)BOND, Andrew

(57) Abstract :
An electromagnet can be used to provide a controlled magnetic field, for example for the purpose of minesweeping. The electromagnet is constructed of a material which has a Curie temperature, such that the electromagnet can be stored at a temperature above the Curie temperature, but deployed below the Curie temperature in use.

No. of Pages : 27 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/05/2017

(21) Application No.201714016886 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METHOD FOR MAKING A SPUNBONDED HIGH LOFT NONWOVEN WEB

(51) International classification :D04H3/11
(31) Priority Document No :16 170 169.3
(32) Priority Date :18/05/2016
(33) Name of priority country :EPO
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)Fibertex Personal Care A/S
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(72)**Name of Inventor :**
1)Morten Rise Hansen
2)Thomas Broch
3)Sebastian Sommer

(57) Abstract :
As Attached

No. of Pages : 27 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043142 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PUMP HAVING AN ANTI LOSS MEMBER

(51) International classification :F04D29/044,F04D29/20
(31) Priority Document No :1555370
(32) Priority Date :12/06/2015
(33) Name of priority country :France
(86) International Application No :PCT/EP2016/063340
Filing Date :10/06/2016
(87) International Publication No :WO 2016/198629
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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Address of Applicant :Tour AREVA 1 Place Jean Millier 92400 Courbevoie France
(72)**Name of Inventor :**
1)FOULON Jrmie
2)MAZUY Louis
3)BOLZAN Julien

(57) Abstract :
The pump (1) comprises: a drive shaft (3); a pump impeller (5) comprising a hub (31) having an orifice (39); a connection (33) of the pump impeller (5) to the shaft (3) comprising a connecting member (41) having a second end part (45) in the orifice (39) the connection (33) also comprising a support member (47) connected to the second end part (45) of the connecting member (41) and bearing against a face of the hub (31) that is remote from the drive shaft (3) the connection (33) comprising a plurality of ancillary connecting members (59) each of which secures the pump impeller (5) to the drive shaft (3). The pump (1) also comprises an anti loss member (60) that is connected to the connecting member (41) and is interposed between the drive shaft (3) and the hub (31) having a shape chosen so as not to be able to pass through the orifice (39) in the event of the connecting member (41) breaking.

No. of Pages : 9 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043143 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : DYNAMO ELECTRIC MACHINE FOR INTERNAL COMBUSTION ENGINE AND STATOR OF SAID MACHINE

(51) International classification :H02K3/50,H02K3/52
(31) Priority Document No :2015114905
(32) Priority Date :05/06/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/002561
Filing Date :27/05/2016
(87) International Publication No :WO 2016/194347
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)KURATANI Yoshinori
2)KANEMITSU Kentaro
3)MIZUMOTO Yuichi
4)IWASAKI Tatsuya
5)DOMYO Masahisa

(57) Abstract :
Provided is a dynamo electric machine for an internal combustion engine it being possible for said machine to be connected to a coil end part by projection welding. A stator 31 of the dynamo electric machine for an internal combustion engine has a terminal 51 secured to an insulator 35. The terminal 51 includes a plurality of connection parts 52. The connection parts 52 have ridges 55 extending along the axial direction of the stator 31. The insulator 35 has holding parts 47 48 for holding a plurality of coil end parts 37. The plurality of coil end parts 37 are disposed so as to span the space between the holding parts 47 48 and are bent in an L shape. The plurality of coil end parts 37 are provisionally fixed in a preliminary manner so as to contact the connection parts 52. The plurality of coil end parts 37 and the ridges 55 are connected by projection welding. Because the terminal 51 has the plurality of connection parts 52 the terminal 51 electrically connects the plurality of coil end parts 37. Fig. 4 is the selected drawing.

No. of Pages : 33 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/12/2017

(21) Application No.201717043155 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : LIQUID STORAGE CONTAINER

(51) International classification :B41J2/175
(31) Priority Document No :201510416012.7
(32) Priority Date :15/07/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/088870
Filing Date :06/07/2016
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI
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2)MIAO, ZHIQIANG
3)GU, YULIN
4)LIU, LIACHUN
5)MA, NINGFANG
6)LIAN, HAOMIN

(57) Abstract :
A liquid storage container is provided to address a problem of difficult connection owing to a fixedly installed connection port of a conventional liquid storage container. The liquid storage container comprises: a container (2) open at one side and a first lid (1). The container and inside of the lid form a cavity chamber. An open side of the first lid (1) and the open side of the container (2) are rotatably and sealedly connected. The liquid storage container (2) further comprises a first pipe (7) and a second pipe (8) configured to communicate the cavity chamber and outside. The first pipe (7) is arranged at the first lid (1). The second pipe (8) is arranged at the container (2). The liquid storage container has improved compatibility with various volume adjustment. In addition, by arranging the first pipe (7) at the first lid (1) and enabling the first pipe (7) to rotate with the first lid (1), the positions of the first pipe (7) and the second pipe (8) in relation to the container (2) can be adjusted, so as to satisfy different needs of installation types.

No. of Pages : 16 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/08/2016

(21) Application No.201614028336 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : SANITARY NAPKIN

(51) International classification	:A61F 13/47
(31) Priority Document No	:105119868
(32) Priority Date	:24/06/2016
(33) Name of priority country	:Taiwan
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)CHIEN, YUAN-CHENG

(57) Abstract :
A sanitary napkin (3) includes a main pad body (4) having an absorbent body (43), and a flow-guide unit (5) including two flow-guide members (51) having bottom ends connected to a top surface of the absorbent body (43), and a pull piece (52) connected to top ends of the flow-guide members (51). Each flow-guide member (51) includes a plurality of flow-guide sections (511) foldably connected to each other, and a plurality of outer junction sections (513) each formed between outer ends of two adjacent ones of the flow-guide sections (511). The pull piece (51) is pulled to move the flow-guide sections (511) relative to the absorbent body (43) from a folded position, in which the flow-guide sections (511) are stacked one upon the other, to an extended position, in which the outer junction sections (513) of the flow-guide members (51) are configured to contact the buttocks (62) of a user.

No. of Pages : 39 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/05/2017

(21) Application No.201714018120 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : REVERSAL BINDING AGENTS FOR ANTI-FACTOR XI/XIA ANTIBODIES AND USES THEREOF

(51) International classification :A61K
(31) Priority Document No :62/341574
(32) Priority Date :25/05/2016
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
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2)Yasser KHDER
3)Alexander Wolfgang KOCH

(57) Abstract :
The present disclosure relates to reversal agents, which specifically bind to anti-Factor XI and/or anti-Factor XIa antibodies, and reverse one or more anticoagulant effects of the anti- Factor XI and/or anti-Factor XIa antibodies, as well as to methods of use thereof, such as methods for reversing anticoagulant effects of such anti-Factor XI and/or anti-Factor XIa antibodies, and to related methods for managing bleeding or bleeding risks.

No. of Pages : 374 No. of Claims : 71

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/05/2017

(21) Application No.201714018123 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : POWER SUPPLY WITH POWER FACTOR CORRECTION AND OUTPUT-REFERENCED ENERGY RESERVOIR

(51) International classification :H02M3/28
(31) Priority Document No :15/179,125
(32) Priority Date :10/06/2016
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)David Michael Hugh Matthews
3)Balu Balakrishnan

(57) Abstract :
An ac-dc power supply includes a dc-dc converter coupled to an input of the ac-dc power supply. The input of the ac-dc power supply is coupled to receive an ac input voltage and an ac input current. The dc-dc converter includes a regulated output and a reservoir output. A controller is coupled to receive sense signals from the dc-dc converter. The controller is coupled to control the dc-dc converter to regulate the regulated output in response to the sense signals. The controller is further coupled to control a waveform of the ac input current to have a substantially same shape as a waveform of the ac input voltage. A regulator circuit is coupled to the regulated output and the reservoir output. The controller is coupled to the regulator circuit to control a transfer of energy from the reservoir output to the regulated output through the regulator circuit.

No. of Pages : 52 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/05/2017

(21) Application No.201714018434 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : INTRAOCULAR LENS DELIVERY DEVICE WITH TELESCOPING PLUNGER

(51) International classification :F01K15/00
(31) Priority Document No :62/354278
(32) Priority Date :24/06/2016
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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Address of Applicant :Lichtstrasse 35, CH-4056 Basel, Switzerland Switzerland
(72)**Name of Inventor :**
1)Asif Fayyaz
2)Chris Belisle
3)Jian Liu
4)Kyle Brown

(57) Abstract :
An intraocular lens (IOL) insertion apparatus may include a hand piece body having a distal tip, an IOL folding chamber, and IOL a dwell position, and a telescoping plunger having a first plunger portion and a second plunger portion. The first plunger portion and second plunger portion may be arranged to simultaneously advance through a first portion of a displacement of the telescoping plunger, and one of the first and second plunger portions may be arranged to advance through a second portion of the displacement of the telescoping plunger.

No. of Pages : 37 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/05/2017

(21) Application No.201714018442 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : MULTILAYER COATED MULTICOLOR YARN AND MANUFACTURING METHOD THEREOF

(51) International classification	:D02G3/34
(31) Priority Document No	:10-2016-0069055
(32) Priority Date	:02/06/2016
(33) Name of priority country	:Republic of Korea
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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Address of Applicant :25, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 16677, Republic of Korea Republic of Korea
(72)**Name of Inventor :**
1)KIM, Sung Jin
2)LEE, Young Chul
3)JO, Dal Rae

(57) Abstract :
AS ATTACHED

No. of Pages : 21 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/03/2016

(21) Application No.201611010114 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : BATTERY DISCONNECT SWITCH

(51) International classification	:H02J7/00, H01L27/088, H02H7/18
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)Shwetaank Sharma
2)Aurangzeb
3)Arvind Singh

(57) Abstract :
The present disclosure relates to a battery disconnect switch for a vehicle. More specifically, the present disclosure relates to a rotary switch to turn ON/OFF a high ampere battery power from the vehicle electrical system.

No. of Pages : 21 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/03/2016

(21) Application No.201611010156 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : A CEILING FAN WITH MOVABLE BLADES.

(51) International classification	:F04D29/34	(71)**Name of Applicant :**
(31) Priority Document No	:NA	**1)NARENDER KUMAR**
(32) Priority Date	:NA	Address of Applicant :HOUSE NO.373, BLOCK-I, SHIV RAM PARK, NANGLOI, NEW DELHI-110041 Delhi India
(33) Name of priority country	:NA	(72)**Name of Inventor :**
(86) International Application No	:NA	**1)NARENDER KUMAR**
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
This invention relates to a ceiling fan with movable blades comprising a hub housing connected to a plurality of blades, wherein the hub housing accommodates a motor for fan in connection with a motor unit for positioning the blades at various angles. It is associated with the following advantageous features:- - Not complicated in design - Larger volume of air flow - Ease in variation of blade angle - Efficient.

No. of Pages : 15 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/06/2017

(21) Application No.201714021458 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : COMPOSITE STRUCTURAL WALL AND METHOD OF CONSTRUCTION THEREOF

(51) International classification :E04B
(31) Priority Document No :10201605306W
(32) Priority Date :28/06/2016
(33) Name of priority country :Singapore
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
The present invention relates to pre-cast wall panels and methods to join the wall panels to construct composite structural walls. The wall panel comprises a panel body, at least one guide protruding from at least one groove formed in the panel body. The composite wall is constructed by arranging a first wall panel adjacent to a second wall panel, wherein the at least one guide of the first and second wall panel are overlapped to form a channel; inserting a linking rod into the channel; dispensing grout into a gap between the first and the second wall panel; and curing the grout to join the first and the second wall panel to form the composite structural wall. The wall panel may be part of a prefabricated construction module.

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(54) Title of the invention : NON-PNEUMATIC TIRE

(51) International classification :B60R16/04
(31) Priority Document No :62/355,409
(32) Priority Date :28/06/2016
(33) Name of priority country :U.S.A.
(86) International Application No :NA
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(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
A structurally supported tire includes a ground contacting annular tread portion, an annular shear band and at least one spoke disk connected to the shear band, wherein the spoke disk has at least one spoke, wherein the spoke extends between an outer ring and an inner ring in a first parabolic curve. The spoke disk may mrther includes a second spoke having a second parabolic curve different from the first curve, and overlapping with the first spoke.

No. of Pages : 37 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/06/2017

(21) Application No.201714021628 A
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(54) Title of the invention : ELEVATOR CONTROL SYSTEM

(51) International classification :F01K15/00
(31) Priority Document No :2016-123412
(32) Priority Date :22/06/2016
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)Sayumi Kimura

(57) Abstract :
According to one embodiment, an elevator control system includes a hall call accepting module, a car response module, a door opening time calculator and a door opening/closing controller. The hall call accepting module is configured to accept an input of a hall call generated from a mobile terminal. The car response module is configured to urge a car to respond to a registered floor of the hall call having the input accepted. The door opening time calculator is configured to calculate a door opening time indicating a time to maintain a state of the car after a door of the car is closed, based on number of hall calls having the input accepted. The door opening/closing controller is configured to control opening/closing of the door of the car, based on the calculated door opening time.

No. of Pages : 24 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2017

(21) Application No.201714021738 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : PERFORATOR CAP, IN PARTICULAR FOR A FLEXIBLE TUBE

(51) International classification	:B65D 59/00
(31) Priority Document No	:1655898
(32) Priority Date	:23/06/2016
(33) Name of priority country	:France
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
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(62) Divisional to Application Number	:NA
Filing Date	:NA

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2)FRITSCH, Franck

(57) Abstract :
A cap (1) configured to close a container comprising a neck (3), said cap (1) comprising: - at least one protruding element (15) configured to cooperate with a slot (17) situated on said neck (3) such that the cap (1) goes from a first position to a second position, - at least one opening (21) situated on an upper wall (13) of said cap (1), said opening(s) (21) being aligned with the protruding elements (15) of said cap (1), - a sealing element (23) configured to impart sealing between the cap (1) and the neck (3), said sealing element (23) being radially offset relative to said protruding element (15). Figure 3

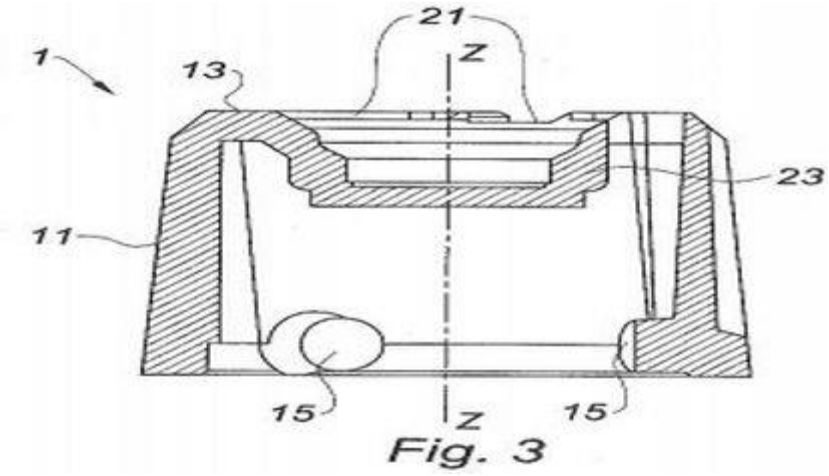

Fig. 3

No. of Pages : 17 No. of Claims : 14

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(21) Application No.201717043602 A
(43) Publication Date : 29/12/2017

(54) Title of the invention : METAL POWDER METHOD FOR PRODUCING MULTILAYER SHAPED STRUCTURE AND MULTILAYER SHAPED STRUCTURE

(51) International classification :B22F1/00,B22F3/105,B22F3/16
(31) Priority Document No :2015097974
(32) Priority Date :13/05/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/063712
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(87) International Publication No :WO 2016/181924
(61) Patent of Addition to Application Number :NA
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4)NAKAMOTO Takayuki
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(57) Abstract :
A metal powder for multilayer structure shaping. This metal powder contains at least one of chromium and silicon in an amount of from 0.10% by mass to 1.00% by mass (inclusive) so that the total amount of the chromium and silicon is 1.00% by mass or less with the balance made up of copper.

No. of Pages : 25 No. of Claims : 9

CONTINUED TO PART- 2