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

Any additional information

Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

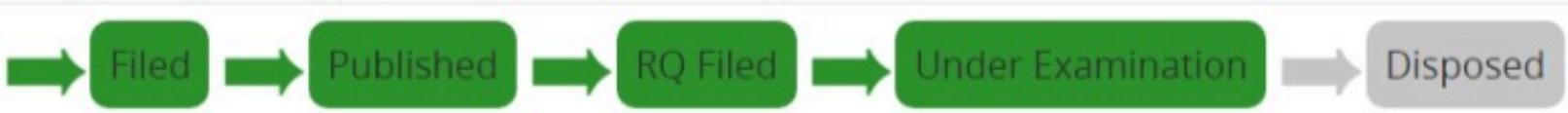
सत्यमेव जयते

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

Application Details	
APPLICATION NUMBER	202021008481
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	28/02/2020
APPLICANT NAME	**Marwadi University**
TITLE OF INVENTION	DESIGN AND WORKING OF A SAWTOOTH METASURFACE SOLAR ABSORBER BASED ON GRAPHENE MONOLAYER SHEET.
FIELD OF INVENTION	PHYSICS
E-MAIL (As Per Record)	naresh.jadeja@marwadieducation.edu.in
ADDITIONAL-EMAIL (As Per Record)	kirankumar.parmar@marwadieducation.edu.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	16/02/2022
PUBLICATION DATE (U/S 11A)	03/09/2021

Application Status	
APPLICATION STATUS	**FER Issued, Reply not Filed**

View Documents



In case of any discrepancy in status, kindly contact ipo-helpdesk@nic.in

THE PATENT OFFICE KOLKATA - 700 091

सत्यमेव जयते

ORIGINAL

No. 80295

भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

CERTIFICATE OF REGISTRATION OF DESIGN

Design No. 319978-001
Date 25/07/2019
Reciprocity Date*
Country

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 14-03 in respect of the application of such design to MICROSTRIP ANTENNA in the name of 1.MARWADI UNIVERSITY, RAJKOT-MORBI ROAD, AT & PO : GAURIDAD, RAJKOT 360 003, GUJARAT, INDIA. 2. YOGESHWAR KOSTA, RAJKOT-MORBI ROAD, AT & PO : GAURIDAD, RAJKOT 360 003, GUJARAT, INDIA. 3. SHOBHIT K. PATEL, RAJKOT-MORBI ROAD, AT & PO : GAURIDAD, RAJKOT 360 003, GUJARAT, INDIA. 4. SUNIL P. LAVADIYA, RAJKOT-MORBI ROAD, AT & PO : GAURIDAD, RAJKOT 360 003, GUJARAT, INDIA. , ET AL.

in pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

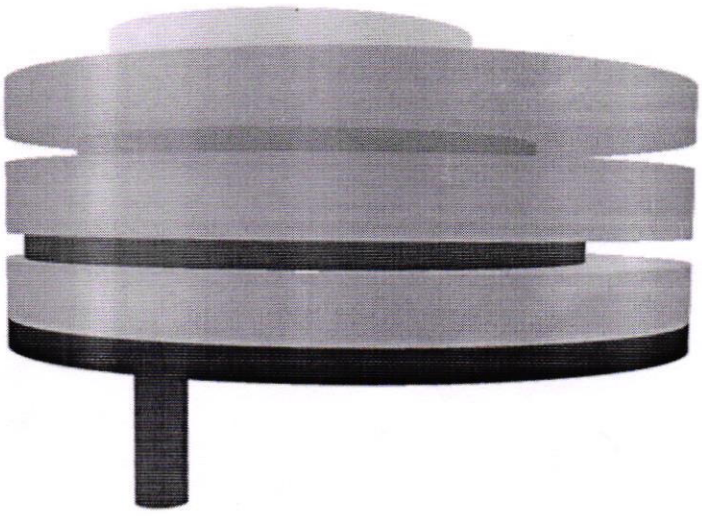
Controller General of Patents, Designs and Trade Marks

*The reciprocity date (if any) which has been allowed and the name of the country.
Copyright in the design will subsist for ten years from the date of Registration, and may underthe terms of the Act and Rules, be extended for a further period of five years.
This Certificate is not for use in legal proceedings or for obtaining registration abroad

MARWADI UNIVERSITY,
RAJKOT-MORBI ROAD, AT & PO : GAURIDAD,
RAJKOT 360 003, GUJARAT, INDIA.

Date of Issue 26/08/2019 11:18:07

Marwadi University
Yogeshwar Kosta
Shobhit K. Patel
Sunil P. Lavadiya
Medhavi Kosta



FRONT VIEW

We Claim that:

The novelty resides in the shape and configuration particularly in the portion **(A), (B),** in Sheet 3, **(C), (D), (E)** in Sheet 4, (G), (I) in Sheet 5 and (F), (H), of sheet 6 the "**MICROSTRIP ANTENNA"** as illustrated

No claim is made by virtue of this registration in respect of any mechanical or other action of any mechanism whatever or in respect of any mode or principle of construction of the Article

No claim is made by virtue of this registration to any right to the exclusive use of the words, letters, numbers, Color, or trademarks appearing in the representation.

Dated : 22 July 2019

For, (Applicant)
Marwadi University

Naresh Dilawarsinh Jadeja | Registrar

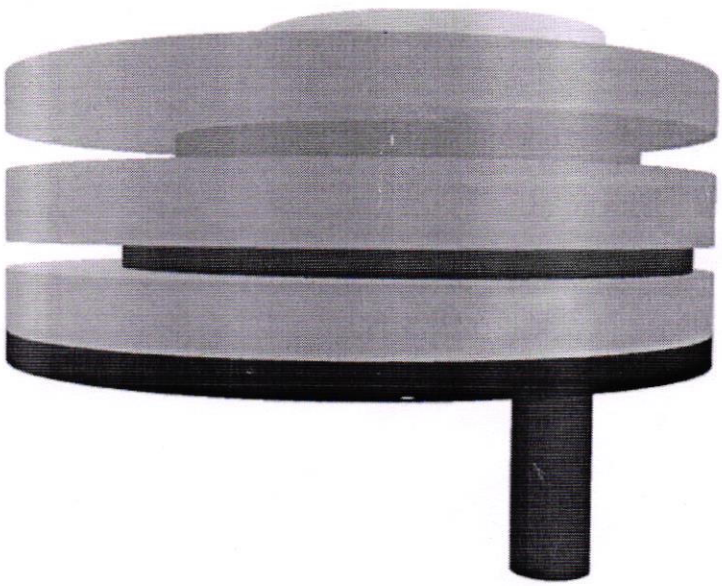
Yogeshwar Kosta

Shobhit K. Patel

Sunil P. Lavadiya

Medhavi Kosta

Marwadi University
Yogeshwar Kosta
Shobhit K. Patel
Sunil P. Lavadiya
Medhavi Kosta



REAR VIEW

We Claim that:

The novelty resides in the shape and configuration particularly in the portion **(A), (B),** in Sheet 3, **(C), (D), (E)** in Sheet 4, (G), (I) in Sheet 5 and (F), (H), of sheet 6 the "**MICROSTRIP ANTENNA"** as illustrated

No claim is made by virtue of this registration in respect of any mechanical or other action of any mechanism whatever or in respect of any mode or principle of construction of the Article

No claim is made by virtue of this registration to any right to the exclusive use of the words, letters, numbers, Color, or trademarks appearing in the representation.

Dated : 22 July 2019

For, (Applicant)
Marwadi University

Naresh Dilawarsinh Jadeja | Registrar

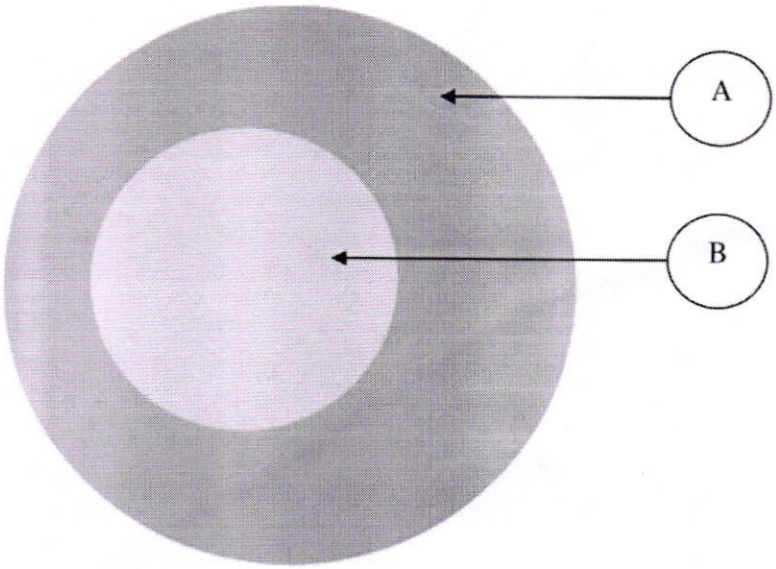
Yogeshwar Kosta

Shobhit K. Patel

Sunil P. Lavadiya

Medhavi Kosta

Marwadi University
Yogeshwar Kosta
Shobhit K. Patel
Sunil P. Lavadiya
Medhavi Kosta



TOP VIEW

We Claim that:

The novelty resides in the shape and configuration particularly in the portion **(A), (B),** in Sheet 3, **(C), (D), (E)** in Sheet 4, (G), (I) in Sheet 5 and (F), (H), of sheet 6 the "**MICROSTRIP ANTENNA"** as illustrated

No claim is made by virtue of this registration in respect of any mechanical or other action of any mechanism whatever or in respect of any mode or principle of construction of the Article

No claim is made by virtue of this registration to any right to the exclusive use of the words, letters, numbers, Color, or trademarks appearing in the representation.

Dated : 22 July 2019

For, (Applicant)
Marwadi University

Naresh Dilavarsinh Jadeja | Registrar

Yogeshwar Kosta

Shobhit K. Patel

Sunil P. Lavadiya

Medhavi Kosta

319978-001

25 JUL 2019

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Yogeshwar Kosta
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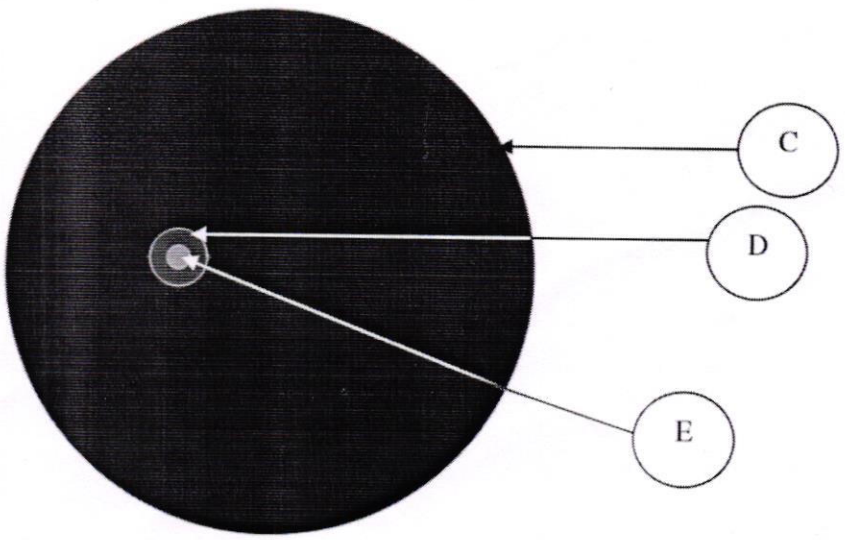
Sunil P. Lavadiya
Medhavi Kosta



BOTTOM VIEW

We Claim that:

The novelty resides in the shape and configuration particularly in the portion **(A), (B),** in Sheet 3, **(C), (D), (E)** in Sheet 4, (G), (I) in Sheet 5 and (F), (H), of sheet 6 the '**MICROSTRIP ANTENNA"** as illustrated

No claim is made by virtue of this registration in respect of any mechanical or other action of any mechanism whatever or in respect of any mode or principle of construction of the Article

No claim is made by virtue of this registration to any right to the exclusive use of the words, letters, numbers, Color, or trademarks appearing in the representation.

Dated : 22 JULY 2019

For, (Applicant)
Marwadi University

Naresh Dhawarsinh Jadeja | Registrar

Yogeshwar Kosta

Shobhit K. Patel

Sunil P. Lavadiya

Medhavi Kosta

319978-001

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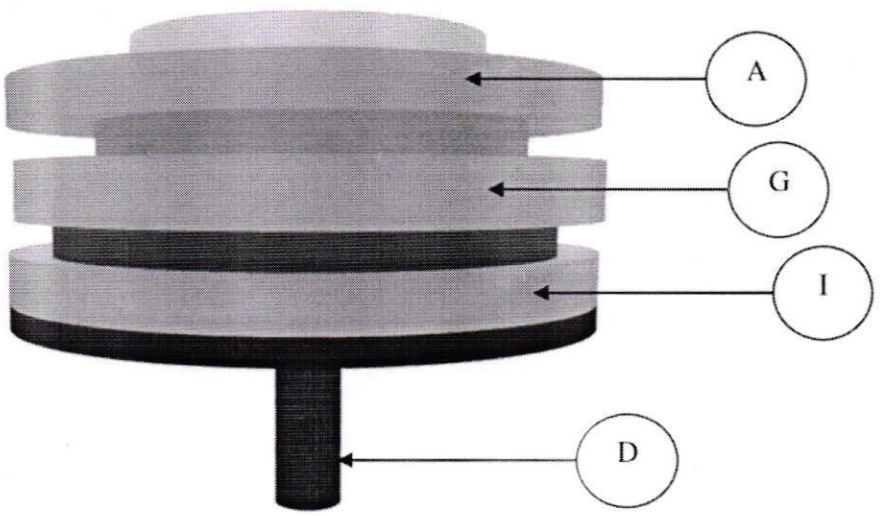
Sunil P. Lavadiya
Medhavi Kosta



LEFT VIEW

We Claim that:

The novelty resides in the shape and configuration particularly in the portion **(A), (B),** in Sheet 3, **(C), (D), (E)** in Sheet 4, (G), (I) in Sheet 5 and (F), (H), of sheet 6 the '**MICROSTRIP ANTENNA**" as illustrated

No claim is made by virtue of this registration in respect of any mechanical or other action of any mechanism whatever or in respect of any mode or principle of construction of the Article

No claim is made by virtue of this registration to any right to the exclusive use of the words, letters, numbers, Color, or trademarks appearing in the representation.

Dated : 22 July 2019

For, (Applicant)
Marwadi University

Naresh Dhawarsinh Jadeja | Registrar

Yogeshwar Kosta

Shobhit K. Patel

Sunil P. Lavadiya

Medhavi Kosta

319978-001

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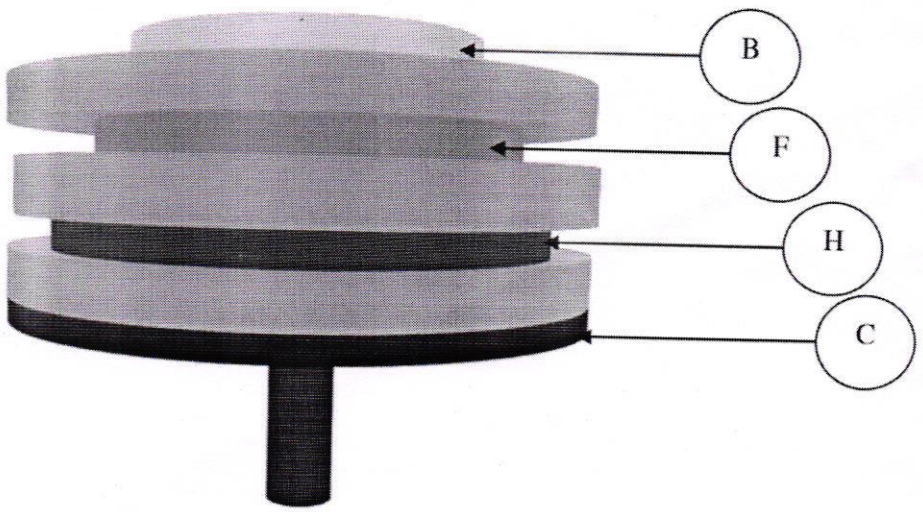
Sunil P. Lavadiya
Medhavi Kosta



RIGHT VIEW

We Claim that:

The novelty resides in the shape and configuration particularly in the portion **(A), (B),** in Sheet 3, **(C), (D), (E)** in Sheet 4, (G), (I) in Sheet 5 and (F), (H), of sheet 6 the "**MICROSTRIP ANTENNA"** as illustrated

No claim is made by virtue of this registration in respect of any mechanical or other action of any mechanism whatever or in respect of any mode or principle of construction of the Article

No claim is made by virtue of this registration to any right to the exclusive use of the words, letters, numbers, Color, or trademarks appearing in the representation.

Dated : 22 JULY 2019

For, (Applicant)
Marwadi University

Naresh Dilawarsinh Jadeja | Registrar

Yogeshwar Kosta

S.K. Patel.
Shobhit K. Patel

Sunil P. Lavadiya

Medhavi Kosta

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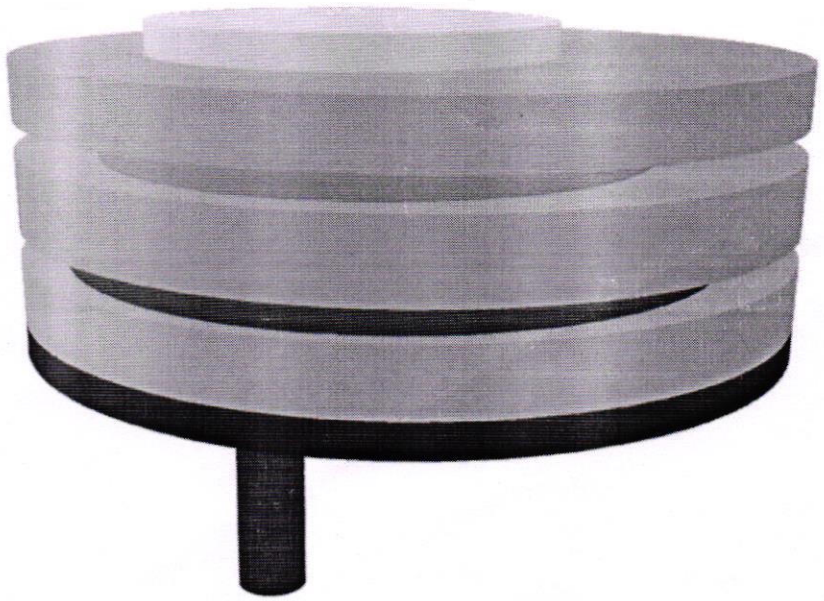
Sunil P. Lavadiya
Medhavi Kosta



PERSPECTIVE VIEW

We Claim that:

The novelty resides in the shape and configuration particularly in the portion **(A), (B),** in Sheet 3, **(C), (D), (E)** in Sheet 4, (G), (I) in Sheet 5 and (F), (H), of sheet 6 the '**MICROSTRIP ANTENNA"** as illustrated

No claim is made by virtue of this registration in respect of any mechanical or other action of any mechanism whatever or in respect of any mode or principle of construction of the Article

No claim is made by virtue of this registration to any right to the exclusive use of the words, letters, numbers, Color, or trademarks appearing in the representation.

Dated : 22 JULY 2019

For, (Applicant)
Marwadi University

Naresh Dhawarsinh Jadeja | Registrar

Yogeshwar Kosta

S.K.Patel.

Shobhit K. Patel

Sunil P. Lavadiya

Medhavi Kosta

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25 JUL 2019

Copyright Office
Government of India

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Register of Copyrights

Dated : 16/09/2019

1.	Registration Number	:	**SW-12825/2019**
2.	Name, address and nationality of the applicant	:	AMIT V SATA , SHUBH LAXMI, 4 OLD PAPAIYA VADI, NEAR DOSHI HOSPITAL, RAJKOT-360004 INDIAN
3.	Nature of the applicant's interest in the copyright of the work	:	AUTHOR
4.	Class and description of the work	:	COMPUTER SOFTWARE WORK
5.	Title of the work	:	OPTITOOL
6.	Language of the work	:	C#
7.	Name, address and nationality of the author and if the author is deceased, date of his decease	:	AMIT V SATA , SHUBH LAXMI, 4 OLD PAPAIYA VADI, NEAR DOSHI HOSPITAL, RAJKOT-360004 INDIAN
8.	Whether the work is published or unpublished	:	UNPUBLISHED
9.	Year and country of first publication and name, address and nationality of the publisher	:	N.A.
10.	Years and countries of subsequent publications, if any, and names, addresses and nationalities of the publishers	:	N.A.
11.	Names, addresses and nationalities of the owners of various rights comprising the copyright in the work and the extent of rights held by each, together with particulars of assignments and licences, if any	:	AMIT V SATA , SHUBH LAXMI, 4 OLD PAPAIYA VADI, NEAR DOSHI HOSPITAL, RAJKOT-360004 INDIAN
12.	Names, addresses and nationalities of other persons, if any, authorised to assign or licence of rights comprising the copyright	:	AMIT V SATA , SHUBH LAXMI, 4 OLD PAPAIYA VADI, NEAR DOSHI HOSPITAL, RAJKOT-360004 INDIAN
13.	If the work is an 'Artistic work', the location of the original work, including name, address and nationality of the person in possession of the work. (In the case of an architectural work, the year of completion of the work should also be shown).	:	N.A.
14.	If the work is an 'Artistic work' which is used or capable of being used in relation to any goods or services, the application should include a certification from the Registrar of Trade Marks in terms of the provision to Sub-Section (i) of Section 45 of the Copyright Act, 1957	:	N.A.
15.	If the work is an 'Artistic work', whether it is registered under the Designs Act 2000 if yes give details.	:	N.A.
16.	If the work is an 'Artistic work', capable of being registered as a design under the Designs Act 2000.whether it has been applied to an article though an industrial process and ,if yes ,the number of times it is reproduced.	:	N.A.
17.	Remarks, if any	:	

Diary Number : 10234/2019-CO/SW
Date of Application : 02/07/2019
Date of Receipt : 02/07/2019

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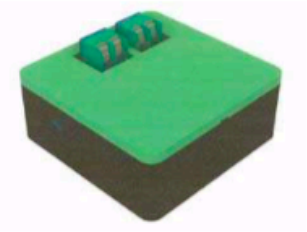
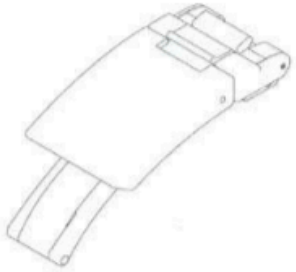
DESIGN NUMBER	349855-001	
CLASS	15-01	
1.**UDHYOG 4.0 LLP, PLOT NO G207/1, LODHIKA GIDC, KALAWAD ROAD METODA (LODHIKA) RAJKOT 360021,GUJARAT-INDIA** 2. **DR. AMIT SATA, PLOT NO G207/1, LODHIKA GIDC KALAWAD ROAD, METODA (LODHIKA)** 3. **PINAL KANTESARIYA, PLOT NO G207/1, LODHIKA GIDC KALAWAD ROAD, METODA (LODHIKA)** 4. **PHILIP GAJERA, PLOT NO G207/1, LODHIKA GIDC KALAWAD ROAD, METODA (LODHIKA)** , ET AL.		
DATE OF REGISTRATION	20/09/2021	
TITLE	IOT ENABLED TEMPERATURE MONITORING DEVICE FOR MELTING FURNACE	
PRIORITY NA		

DESIGN NUMBER	349875-001	
CLASS	10-07	
MONTRES TUDOR SA, 3, RUE FRANÇOIS DUSSAUD, 1211 GENÈVE 26, SWITZERLAND		
DATE OF REGISTRATION	21/09/2021	
TITLE	CLASP FOR WATCH BRACELETS	
PRIORITY		

PRIORITY NUMBER	DATE	COUNTRY
145879	26/03/2021	SWITZERLAND

DESIGN NUMBER	349876-001	
CLASS	10-07	
ROLEX SA, RUE FRANÇOIS -DUSSAUD 3-5-7, 1211 GENÉVE 26, SWITZERLAND		
DATE OF REGISTRATION	21/09/2021	
TITLE	WATCH CASE	
PRIORITY		

PRIORITY NUMBER	DATE	COUNTRY
145883	30/03/2021	SWITZERLAND

CONTINUED FROM PART- 1

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/04/2019

(21) Application No.201917015393 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : INHALER AND METHODS OF USE THEREOF

(51) International classification :A61M15/00A61M11/00
(31) Priority Document No :62/406858
(32) Priority Date :11/10/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/055958
Filing Date :10/10/2017
(87) International Publication No :WO 2018/071429
(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)MICRODOSE THERAPEUTX, INC.
Address of Applicant :7 Graphics Drive Ewing, NJ 08628 U.S.A.
(72)**Name of Inventor :**
1)AKOUKA, Henri
2)LEONARD, Robert
3)KIRKPATRICK, Alan, D., Jr.
4)YOCH, Travis
5)POLCIN, Ryan

(57) Abstract :
A medicament delivery device may include a blister disposed about a blister axis. A dosing chamber may be configured to receive medicament from the blister and the dosing chamber may be disposed about a chamber axis. A transducer may confront the dosing chamber. The transducer may be configured to aerosolize the medicament when the transducer is activated. The chamber axis may be transverse to the blister axis when the blister is in a dosing position.

No. of Pages : 121 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/04/2019

(21) Application No.201917015398 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METAL SHEET WITH TAILORED PROPERTIES

(51) International classification :C21D9/677C21D9/573
(31) Priority Document No :62/408853
(32) Priority Date :17/10/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/056539
Filing Date :13/10/2017
(87) International Publication No :WO 2018/075353
(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)NOVELIS INC.
Address of Applicant :3560 Lenox Road, Suite 2000 Atlanta, Georgia 30326 U.S.A.
(72)**Name of Inventor :**
1)BASSI, Corrado
2)HOFMANN, Vinzenz
3)SIMON, Jrg

(57) Abstract :
Moving metal strips can be heat treated with any number or combination of dimensionally variable tempers across widths lengths or thicknesses of a metal strip. To provide dimensionally variable heat treatment an apparatus can include one or more heating units suitable to increase the temperature of a metal strip moving proximate the apparatus to a heat treatment temperature. The apparatus can also include one or more cooling units positioned near the heating units to absorb heat and cool the metal strip to minimize the amount of heat transferred from a first region of the metal strip that is to be treated to a second region of the metal strip that is not to be treated.

No. of Pages : 55 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/04/2019
(21) Application No.201917015399 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : COATINGS FOR INCREASING NEAR-INFRARED DETECTION DISTANCES

(51) International classification :G01S17/93B32B33/00C09D5/33
(31) Priority Document No :62/414065
(32) Priority Date :28/10/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/058832
Filing Date :27/10/2017
(87) International Publication No :WO 2018/081613
(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)PPG INDUSTRIES OHIO, INC.
Address of Applicant :3800 West 143rd Street Cleveland, Ohio 44111 U.S.A.
(72)**Name of Inventor :**
1)DECKER, Eldon L.
2)HELLRING, Stuart D.
3)HOLSING, LuAnn
4)KRUSZEWSKI, Kristen M.
5)MCQUOWN, Stephen G.

(57) Abstract :
A method for increasing a detection distance of a surface of an object illuminated by near-IR electromagnetic radiation including: (a) directing near-IR electromagnetic radiation from a near-IR electromagnetic radiation source towards an object at least partially coated with a near-IR reflective coating that increases a near-IR electromagnetic radiation detection distance by at least 15% as measured at a wavelength in a near-IR range as compared to the same object coated with a color matched coating which absorbs more of the same near-IR radiation where the color matched coating has a color matched value of 1.5 or less when compared to the near-IR reflective coating; and (b) detecting reflected near-IR electromagnetic radiation reflected from the near-IR reflective coating. A system for detecting proximity of vehicles is also disclosed.

No. of Pages : 60 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/06/2019

(21) Application No.201917021831 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SYSTEM FOR EMISSION-GUIDED HIGH-ENERGY PHOTON DELIVERY

(51) International classification :A61B5/055A61B5/00A61B5/05
(31) Priority Document No :62/422404
(32) Priority Date :15/11/2016
(33) Name of priority country :U.S.A.
(86) International Application No:PCT/US2017/061848
Filing Date :15/11/2017
(87) International Publication No :WO 2018/093933
(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)REFLEXION MEDICAL, INC.
Address of Applicant :25821 Industrial Boulevard Suite 200 Hayward, California 94545 U.S.A.
(72)**Name of Inventor :**
1)HARPER, Brent
2)WIGGERS, Robert
3)LARKIN, David
4)MEER, David
5)NETT, David
6)BASSALOW, Rostem
7)OLCOTT, Peter
8)JULIAN, Chris
9)DOLAN, Brent
10)PEARCE, William Jorge

(57) Abstract :
Disclosed herein are radiation therapy systems and methods. These radiation therapy systems and methods are used for emission-guided radiation therapy, where gamma rays from markers or tracers that are localized to patient tumor regions are detected and used to direct radiation to the tumor. The radiation therapy systems described herein comprise a gantry comprising a rotatable ring coupled to a stationary frame via a rotating mechanism such that the rotatable ring rotates up to about 70 RPM, a radiation source (e.g., MV X-ray source) mounted on the rotatable ring, and one or more PET detectors mounted on the rotatable ring.

No. of Pages : 80 No. of Claims : 64

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/06/2019

(21) Application No.201917021834 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : STABILIZED REFRACTORY COMPOSITIONS

(51) International classification :B22C1/18C04B35/03C04B35/66
(31) Priority Document No :201610973754.4
(32) Priority Date :03/11/2016
(33) Name of priority country :China
(86) International Application No :PCT/US2017/060008
Filing Date :03/11/2017
(87) International Publication No :WO 2018/085700
(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)ALLIED MINERAL PRODUCTS, INC.
Address of Applicant :2700 Scioto Parkway Columbus, Ohio, 43221 U.S.A.
2)NA
3)NA
4)NA
5)NA
6)NA
(72)**Name of Inventor :**
1)PAULEY, Brian
2)KENNARD, Brittney
3)DOZA, Douglas
4)GOSKI, Dana
5)WILKERSON, Kelley

(57) Abstract :
A refractory composition including refractory aggregate, one or more matrix components, and silicate-coated set accelerator particles. The silicate-coated set accelerator particles can include one more of silicate-coated calcium hydroxide, magnesium hydroxide, calcium chloride, calcium carbonate, magnesium carbonate and calcium sulfate. Suitable silicate coatings include sodium silicate, potassium silicate, lithium silicate and mixtures thereof. A method of recovering an aged refractory composition, a settable composition and a method of manufacturing silicate-coated calcium hydroxide particles are also provided.

No. of Pages : 20 No. of Claims : 119

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/06/2019

(21) Application No.201917021843 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : MAGL INHIBITORS

(51) International classification :C07D498/08C07D471/10C07D295/205
(31) Priority Document No :62/423102
(32) Priority Date :16/11/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/061870
Filing Date :15/11/2017
(87) International Publication No :WO 2018/093949
(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)GRICE, Cheryl A.
2)BUZARD, Daniel J.
3)SHAGHAFI, Michael B.

(57) Abstract :
Provided herein are spirocyclic and fused bicyclic carbamates and pharmaceutical compositions comprising said compounds. The subject compounds and compositions are useful as modulators of MAGL. Furthermore, the subject compounds and compositions are useful for the treatment of pain.

No. of Pages : 140 No. of Claims : 53

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/06/2019

(21) Application No.201917021844 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : MAGL INHIBITORS

(51) International classification :C07D498/08C07D471/10C07D295/205
(31) Priority Document No :62/423099
(32) Priority Date :16/11/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/061868
Filing Date :15/11/2017
(87) International Publication No :WO 2018/093947
(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)GRICE, Cheryl A.
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3)SHAGHAFI, Michael B.

(57) Abstract :
Provided herein are piperazine carbamates and pharmaceutical compositions comprising said compounds. The subject compounds and compositions are useful as modulators of MAGL. Furthermore, the subject compounds and compositions are useful for the treatment of pain.

No. of Pages : 147 No. of Claims : 119

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/06/2019

(21) Application No.201917021845 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : MAGL INHIBITORS

(51) International classification :C07D498/08C07D471/10C07D295/205
(31) Priority Document No :62/423095
(32) Priority Date :16/11/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/061867
Filing Date :15/11/2017
(87) International Publication No :WO 2018/093946
(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)BUZARD, Daniel J.
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4)HERTZOG, Donald L.

(57) Abstract :
Provided herein are piperazine carbamates and pharmaceutical compositions comprising said compounds. The subject compounds and compositions are useful as modulators of MAGL. Furthermore, the subject compounds and compositions are useful for the treatment of pain.

No. of Pages : 94 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/06/2019

(21) Application No.201917021846 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SYSTEMS AND METHODS FOR RELIABLE COMMUNICATION FOR SHORT TRANSMISSION TIME INTERVAL IN LONG TERM EVOLUTION THROUGH REPETITIONS

(51) International classification :H04L1/00H04L1/08H04L1/18
(31) Priority Document No :62/427351
(32) Priority Date :29/11/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/SE2017/051172
Filing Date :27/11/2017
(87) International Publication No :WO 2018/101877
(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)WIKSTR–M, Gustav
2)DUDDA, Torsten
3)ARSHAD, Malik Wahaj
4)ANDGART, Niklas
5)ZOU, Zhenhua

(57) Abstract :
According to certain embodiments, a method by a wireless device is provided for reliable communication for short transmission time interval (TTI) through repetitions. The method includes receiving, from a network node, a configuration comprising a short TTI transmission schedule identifying a repetition factor. Based on the short TTI transmission schedule and the repetition factor, the wireless device searches for a plurality of repeated messages from the network node and combines the plurality of repeated messages.

No. of Pages : 34 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/06/2019

(21) Application No.201917021847 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ADAPTIVE MULTIPLE HARQ ENTITY DESIGN

(51) International classification :H04L1/16H04W24/02
(31) Priority Document No :PCT/CN2017/070203
(32) Priority Date :05/01/2017
(33) Name of priority country :China
(86) International Application No :PCT/SE2017/051208
Filing Date :04/12/2017
(87) International Publication No :WO 2018/128568
(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)FAN, Rui
2)LIU, Jinhua

(57) Abstract :
Systems and methods for an adaptive multiple Hybrid Automatic Repeat Request (HARQ) entity design to enable dynamic soft buffer sharing between HARQ entities are disclosed. In some embodiments, a transmitter estimates the total buffer consumption of the receiver. In response to determining that there is enough unused space in the soft buffer of the receiver for the new HARQ process of the HARQ entity, the transmitter assigns the new HARQ process of the HARQ entity for data transmission to the receiver. In this way, HARQ entity specific configurations may be enabled while increasing dynamic soft buffer sharing efficiency.

No. of Pages : 17 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/06/2019

(21) Application No.201917021850 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : NON-AQUEOUS INKJET INK COMPOSITION

(51) International classification :C09D11/36B41J2/01B41M5/00
(31) Priority Document No :2016-239116
(32) Priority Date :09/12/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/044024
Filing Date :07/12/2017
(87) International Publication No :WO 2018/105696
(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)NAKASHIMA Okinori
3)KINJYO Jun
4)MIYAKE Ryohei

(57) Abstract :
The present invention addresses the problem of providing a non-aqueous inkjet ink composition which can exhibit excellent fine print reproducibility, excellent solid filling properties and excellent anti-mottling properties when printed at a high speed onto an object having a printing surface made from a vinyl polymer, e.g., polyvinyl chloride and an ethylene-(vinyl acetate) copolymer, or the like, and which has excellent jetting stability and excellent dried coating film re-dissolvability. As the solution for the problem, a non-aqueous inkjet ink composition is provided, which comprises a pigment, a pigment dispersant and an organic solvent, wherein the organic solvent comprises a diethyleneglycol alkyl ether acetate and a diethyleneglycol dialkyl ether, the total content of the diethyleneglycol alkyl ether acetate and the diethyleneglycol dialkyl ether is 40 to 80 parts by mass in 100 parts by mass of the non-aqueous inkjet ink composition, and the diethyleneglycol alkyl ether acetate is blended with the diethyleneglycol dialkyl ether in such an amount that the following equation can be satisfied: (the diethyleneglycol alkyl ether acetate)/(the diethyleneglycol dialkyl ether) = 0.25 to 4.5.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/08/2017

(21) Application No.201711017992 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : PASSIVE AMBIENT AIR-POLLUTANT REMOVAL SYSTEM (PAARS)

(51) International classification	:B60H1/008 G01N1/2214
(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)SATINDER KAUR
2)RAKESH KUMAR

(57) Abstract :
The present invention relates to Passive Ambient Air-pollutant Removal System (PAARS) comprising of soil/media bed filtration unit with selected specific plants species capable of removing pollutants such as such as PM, CO, S02, VOCs, SOx, NOx, hydrocarbons and carcinogenic compounds from air around the filtration unit. Installed Sensors detects the concentration of the pollutants in the air to start or turn of the system depending on the pollution levels; thereby saving energy. It can be operate using renewable energy such as solar energy wind energy making it environmentally sustainable. The present invention can be used for air purification in an industrial complex, household & commercial buildings, road intersection/dividers, traffic conjunctions places where significant amount of pollutants are emitted. Fig.l

No. of Pages : 22 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/08/2017
(21) Application No.201717029368 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SYSTEM AND METHOD FOR CURING TOBACCO

(51) International classification :A24B3/10,A24B3/00,A24B3/02
(31) Priority Document No :15/387371
(32) Priority Date :21/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2017/051148
Filing Date :27/02/2017
(87) International Publication No :WO 2018/115981
(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)MAHOMED Hanif Mahomed

(57) Abstract :
A system and method for curing or drying tobacco leaves are described herein. The method includes flowing a first combustion gas generated by a first heat source through a first flue pipe provided inside a first barn to heat air inside the first barn to cure a first batch of tobacco leaves disposed inside the first barn; transferring at least a portion of the first combustion gas generated by the first heat source to a second flue pipe provided inside a second barn adjacent the first barn to heat the second barn and start curing a second batch of tobacco leaves disposed inside the second barn; and flowing second combustion gas generated by a second heat source through the second flue pipe to continue curing the second batch of tobacco leaves after the second barn is heated.

No. of Pages : 24 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/06/2018

(21) Application No.201814023810 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : COOLANT REPLENISHMENT DEVICE, COOLING CIRCULATION SYSTEM, AND ELECTRONIC DEVICE

(51) International classification :F16D65/02
(31) Priority Document No :107101633
(32) Priority Date :17/01/2018
(33) Name of priority country /region :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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1)CHOU,Chih-Sheng
2)WU, Jen-Hao

(57) Abstract :
The disclosure is related to a coolant replenishment device, a cooling circulation system and an electronic device. The electronic device includes a heat source, a circulation pipe, a pump, a heat exchanger and a coolant replenishment device. The circulation pipe has a circulation channel configured to accommodate a first coolant. The pump is disposed on the circulation pipe. The heat exchanger disposed on the circulation pipe. The coolant replenishment device includes a liquid storage tank, a push plate and a driving member. The liquid storage tank has an accommodating space configured to accommodate a second coolant. The push plate is movable toward or away from the liquid outlet. The driving member is disposed in the liquid storage tank and constantly apply a force on the push plate to push the second coolant from the accommodating place into the circulation channel through the liquid outlet.

No. of Pages : 27 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022158 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : BIOLOGICAL ACTIVE COMPONENT COLON-TARGETED COMPOSITION AND APPLICATION THEREOF

(51) International classification :A61K9/20A61K47/38A61K35/747
(31) Priority Document No :201611013848.3
(32) Priority Date :11/11/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/110074
Filing Date :09/11/2017
(87) International Publication No :WO 2018/086550
(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)ZHANG, Junshou
2)SUN, Chaonan
3)ZHANG, Hao

(57) Abstract :
A biological active component colon-targeted composition, preparations thereof and a preparation method therefor. The biological active component colon-targeted composition comprises in weight percentage: 10-99% hydroxypropyl methylcellulose, 1-60% biological active component, and 0-80% adjuvant, wherein the viscosity of hydroxypropyl methylcellulose is greater than 1,000 mPa€S. The biological active component colon-targeted composition has an improved colon-targeted effect and improves the bioavailability and in vivo activity of the biological active component.

No. of Pages : 9 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/06/2019

(21) Application No.201917021851 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD FOR PRODUCING A REAGENT TO DECREASE HYDRODYNAMIC RESISTANCE OF TURBULENT FLOW OF LIQUID HYDROCARBONS IN PIPELINES

(51) International classification :C08F2/02C08F10/14C08F4/64
(31) Priority Document No :2017118108
(32) Priority Date :24/05/2017
(33) Name of priority country :Russia
(86) International Application No :PCT/RU2017/000723
Filing Date :29/09/2017
(87) International Publication No :WO 2018/217122
(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)PALEY, Ruslan Vladimirovich
2)MALYKHIN, Igor Aleksandrovich

(57) Abstract :
The invention relates to inorganic and polymer chemistry, and more specifically to the transport of oil and petroleum products via pipelines. A method for producing a reagent to decrease hydrodynamic flow resistance of liquid hydrocarbons in pipelines comprises polymerization of alpha-olefins C6-C14 in the presence of a catalyst and a catalyst activator. Furthermore, the polymerization of alpha-olefins C6-C14 is performed in a monomer medium with the addition of 0.1 to 5 mass percent of saturated alicyclic hydrocarbon composition C8-C32 and a saturated aliphatic hydrocarbon composition C6-C18 with monomer conversion of 96.0 to 99.5 mass percent, wherein microspherical titanium trichloride is used as the catalyst, and a mixture of diethylaluminum chloride and triisobutylaluminum in a mass ratio of 1:10 to 10:1 is used as the catalyst activator. A polymer is then produced with a molecular mass of more than 107 amu with a narrow molecular mass distribution of no more than 1.5 with the specified component ratio. The polymer is then ground, thereby obtaining the commodity form of the reagent for decreasing hydrodynamic flow resistance of liquid hydrocarbons in pipelines. The technical result of the invention consists in producing a reagent that provides a decrease in the hydrodynamic resistance of the flow of liquid hydrocarbons in pipelines and, as a result, increases the throughput capacity of a pipeline and decreases the cost of transport.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/06/2019

(21) Application No.201917021852 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHODS AND SYSTEMS FOR PRODUCTION OF ELONGATED CARBON NANOFIBERS

(51) International classification :B82Y30/00B82Y40/00C01B32/158
(31) Priority Document No :62/423052
(32) Priority Date :16/11/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/061861
Filing Date :15/11/2017
(87) International Publication No :WO 2018/093942
(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)LICHT, Stuart

(57) Abstract :
A system and process for producing macro length carbon nanotubes is disclosed. A carbonate electrolyte including transition metal powder is provided between a nickel alloy anode and a nickel alloy cathode contained in a cell. The carbonate electrolyte is heated to a molten state. An electrical current is applied to the nickel alloy anode, nickel alloy cathode, and the molten carbonate electrolyte disposed between the anode and cathode. The resulting carbon nanotube growth is collected from the cathode of the cell.

No. of Pages : 19 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/06/2019
(21) Application No.201917021857 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A DEVICE FOR SECURING OF A RAILROAD CROSSING AGAINST ENTRY OF VEHICLES WHEN THE WARNING SIGNALING IS IN OPERATION

(51) International classification :E01F9/615B61L29/30
(31) Priority Document No :PV 2016-680
(32) Priority Date :01/11/2016
(33) Name of priority country :Czech Republic
(86) International Application No :PCT/CZ2017/000069
Filing Date :01/11/2017
(87) International Publication No :WO 2018/082720
(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 signaling device (125) for stopping of vehicles in front of a railroad crossing that increases safety on railroad crossings that are provided with warning signaling, which prevents entry of vehicles into a railroad crossing by means of signaling and barriers (330, 331, 333, 1010).

No. of Pages : 45 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/06/2019

(21) Application No.201917021858 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : AUTOMATIC LADDER HAVING LENGTH ADJUSTABLE BY ELECTRIC DRIVER

(51) International classification :E06C7/12E06C7/06E06C7/50
(31) Priority Document No :10-2016-0144836
(32) Priority Date :02/11/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2017/012121
Filing Date :31/10/2017
(87) International Publication No :WO 2018/084519
(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)SEO, Dong Yeong

(57) Abstract :
According to the present invention, a ladder having an adjustable length comprises: a first support including a first outer support and a first inner support inserted into the first outer support; a horizontal foothold for connecting the first supports to each other; a first gear formed at the inner side of the horizontal foothold and having a groove part formed therein; a second gear engaging with the first gear and changing the rotational direction of the first gear; a rotary bar coupled to the second gear; a third gear formed at the end of one side of the rotary bar; a screw bolt having a fourth gear, which engages with the third gear and is formed at the end thereof, formed inside the first inner support, formed in a stick type, and having threads formed on the outer side thereof; and a screw nut in which the screw bolt is formed, and to which the first inner support is coupled at the outer side thereof.

No. of Pages : 13 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2018

(21) Application No.201817046041 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : OPTICAL IMAGING LENS

(51) International classification :G02B13/00
(31) Priority Document No :201710542434.8
(32) Priority Date :05/07/2017
(33) Name of priority country :China
(86) International Application No :PCT/CN2018/072776
Filing Date :16/01/2018
(87) International Publication No :WO 2019/007030
(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)WENREN, Jianke

(57) Abstract :
An optical imaging lens, comprising sequentially along an optical axis from an object side to an image side: a first lens, a second lens, a third lens, a fourth lens, a fifth lens, a sixth lens, a seventh lens and an eighth lens, wherein the first lens, the second lens, the fifth lens, the seventh lens, and the eighth lens can respectively have a positive or negative focal power. The combined focal power of the third lens and the fourth lens is a positive focal power. The sixth lens can have a positive focal power. The effective focal length f of the optical imaging lens and the combined focal length f34 of the third lens and the fourth lens satisfy $0.5 \leq f / f34 < 1.0$.

No. of Pages : 71 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917021982 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ELECTRO-DEPOSITED DIAMOND DRESSER FOR FORMING SCREW-SHAPED GRINDING STONE FOR GEAR GRINDING AND METHOD OF MANUFACTURING SAME

(51) International classification :B24B53/12B24B53/075
(31) Priority Document No :2016-223548
(32) Priority Date :16/11/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/028344
Filing Date :04/08/2017
(87) International Publication No :WO 2018/092361
(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)FUKAMI Hajime
3)SAKAKIBARA Sadao

(57) Abstract :
The electro-deposited diamond dresser is provided with: a disk-shaped wheel (2) which has tapered surfaces (21) on both sides of an outer circumferential portion thereof so as to decrease in thickness toward an outer circumferential surface; a diamond grinding stone layer (3) extending toward outer circumferential edge portions of the tapered surfaces, and having a plurality of small particle-sized diamond grinding stones plated thereon as a plated layer; a plurality of installation grooves (5) formed in the outer circumferential surface of the wheel and having two intra-groove wall surfaces which form a predetermined angle; and polygonal single-crystal diamond grinding stones (4) which have a particle size greater than the small particle-sized diamond grinding stones, and have installation crystal faces (M1, M2) forming an angle equal to the predetermined angle, wherein, when the installation crystal faces are installed on the two intra-groove surfaces (51a, 51b), the surface parallel to the outer circumferential surface of the wheel is not a cleavage surface. In each of the polygonal single-crystal diamond grinding stones, the installation crystal faces are plated as plated layers (32) on the two intra-groove wall surfaces of the installation grooves of the wheel.

No. of Pages : 35 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917021983 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : BROAD ORTHOGONAL DISTRIBUTION METALLOCENE POLYETHYLENES FOR FILMS

(51) International classification :C08F210/16C08F4/6592C08J5/18
(31) Priority Document No :62/430105
(32) Priority Date :05/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/060433
Filing Date :07/11/2017
(87) International Publication No :WO 2018/106388
(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)LUE, Ching-Tai
3)SILVA, Adriana, S.
4)LI, Dongming
5)FISCUS, David, M.

(57) Abstract :
A polyethylene useful for a film comprising ethylene derived units and within a range from 0.5 to 20 wt% of C3 to C12 α-olefin derived units, an I2 value within a range from 0.5 to 20 g/10 min, an I21 value within a range from 5 to 100 g/10 min, the polyethylene formed from a process comprising combining a bridged bis-cyclopentadienyl Group 4 metal catalyst, an unbridged bis-cyclopentadienyl Group 4 metal catalyst, and an activator with ethylene and within a range from 0.1 to 5 wt%, relative to the weight of all monomers, of a C3 to C12 α-olefin at a temperature within a range from 60 to 100°C.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917021987 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : STEVIA PLANT AND USES THEREOF

(51) International classification :A23L27/30A61K36/00
(31) Priority Document No :62/428881
(32) Priority Date :01/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/064145
Filing Date :01/12/2017
(87) International Publication No :WO 2018/102648
(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)MARKOSYAN, Avetik

(57) Abstract :
Novel Stevia rebaudiana plant cultivars, a process for preparing superior compositions comprising steviol glycosides, and the advantageous use of the compositions comprising steviol glycosides in consumables, including food and beverage products, are disclosed.

No. of Pages : 71 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917021989 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD AND ELECTRONIC DEVICE FOR PERFORMING DATA COMMUNICATION USING A FREQUENCY BAND SHARED AMONG DIFFERENT RADIO ACCESS TECHNOLOGIES

(51) International classification :H04B1/00H04B1/401H04B1/48
(31) Priority Document No :10-2016-0162364
(32) Priority Date :30/11/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2017/013964
Filing Date :30/11/2017
(87) International Publication No :WO 2018/101779
(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)PARK, Sung-Jin
2)KANG, Dae-Ho
3)KIM, Hyun-Hee
4)NAM, Chang-Won
5)PAIK, Min-Chull
6)LEE, Hyung-Yeol
7)CHO, Won-Joon
8)HWANG, Na-Young

(57) Abstract :
An electronic device is provided. The electronic device includes at least one antenna on a designated band, at least one filtering unit for filtering signals received from the at least one antenna into a plurality of bands of the designated band, at least one switching unit for outputting the signals filtered by the at least one filtering unit to a first communication unit using a first communication function and a second communication unit using a second communication function, and a processor electrically connected with the at least one switching unit, the first communication unit, and the second communication unit for controlling the at least one switching unit so that, when a signal of a first band in the designated band is output to the first communication unit, a signal of a second band in the designated band is output to the second communication unit.

No. of Pages : 30 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/11/2015

(21) Application No.10739/DELNP/2015 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : POLYESTER BASED COPOLYMER RESIN AND MOLDED PRODUCT COMPRISING THE SAME

(51) International classification :C10M 145/22
(31) Priority Document No :10-2013-0049543
(32) Priority Date :02/05/2013
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2014/003820
Filing Date :30/04/2014
(87) International Publication No :WO 2014/178631A1
(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)LIM, SEOL-HEE
2)KIM, SUNG- GI

(57) Abstract :
The present invention relates to a copolymerized polyester resin having a superior shrinkage rate and capable of thermal shrinkage at low temperatures, and a molded product using the same. The copolymerized polyester resin, according to one aspect of the present invention, comprises: a dicarboxylic acid-derived residue of a residue derived from an aromatic dicarboxylic acid; a residue derived from a predetermined 4-(hydroxymethyl) cyclohexylmethyl 4'-(hydroxymethyl) cyclohexane carboxylate; and a diol-derived residue of a residue derived from a predetermined 4,4-(oxybis(methylene)bis) cyclohexane methanol.

No. of Pages : 26 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/09/2017

(21) Application No.201717032786 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHODS AND SYSTEMS FOR DISRUPTING CALCIFIED WALLS OF BIOLOGICAL CONDUITS AND CALCIFIED LESIONS THEREIN

(51) International classification :A61B17/22,A61B17/3207
(31) Priority Document No :62/118696
(32) Priority Date :20/02/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/018618
Filing Date :19/02/2016
(87) International Publication No :WO 2016/134225
(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)KOHLER Robert E.
2)MARTINSEN Brad J.
3)YANG Michael X.
4)ZHENG Yihao
5)SHIH Albert
6)DEOKAR Rohit

(57) Abstract :
The present system is directed in various embodiments to rotational atherectomy systems and methods generally. More specifically, a method for methodically softening and otherwise disrupting calcification located within atherosclerotic plaque, lesion or occlusion and/or within the wall of a biological conduit or lumen. The softening and/or disruption of the calcification in the walls of the exemplary artery is accomplished in conjunction with abrading removal of any occlusion located on the interior surface of the exemplary artery and, therefore, located within the arterys lumen. This result is achieved by use of at least one eccentric head that, during high-speed rotation within the exemplary lumen, has been found to produce a combination of a low-frequency orbital motion comprising a force that is exerted against the lumen wall, with concomitant deflection of same, and/or a high-frequency pulsatile frequency, also with concomitant exertion of force against the lumen wall and deflection of same.

No. of Pages : 22 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/09/2017

(21) Application No.201717032917 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHODS AND DEVICES FOR DOWNLINK CONTROL CHANNEL TRANSMISSION AND DETECTION IN A WIRELESS COMMUNICATION SYSTEM

(51) International classification :H04W72/04
(31) Priority Document No :PCT/CN2016/101225
(32) Priority Date :30/09/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/100266
Filing Date :01/09/2017
(87) International Publication No :WO 2018/059189
(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)LI Shaohua
2)LIU, Jinhua
3)ZHANG, Zhan

(57) Abstract :
Embodiments of the present disclosure provide methods, devices and computer program for downlink control channel transmission and detection. According to one or more embodiments, a method implemented in a network device comprises: selecting, for a terminal device, at least one set of downlink control channel candidates from two or more sets of downlink control channel candidates. Each set of the two or more sets of the downlink control channel candidates is associated with a different communication level, each communication level corresponding to one or more of a different set of aggregation levels, a different set of transmission formats, a different target block error rate (BLER), and a different target latency. The method further comprises transmitting, to the terminal device, the selected at least one set of downlink control channel candidates.

No. of Pages : 33 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022343 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : NARROW WIDTH ADAPTERS AND CONNECTORS WITH MODULAR LATCHING ARM

(51) International classification :G02B6/38
(31) Priority Document No :62/430067
(32) Priority Date :05/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/064643
Filing Date :05/12/2017
(87) International Publication No :WO 2018/111617
(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)GNIADEK, Jeffrey
2)WONG, Kimman
3)TAKANO, Kazuyoshi
4)MA, Siu Kei

(57) Abstract :
Various embodiments disclosed herein are directed to a Network system including: a connector comprising a housing comprising a groove running widthwise on a surface of the housing; and a push-pull tab comprising a complementary groove, wherein the push-pull tab is detachably connected to the housing; and a receiver device comprising one or more ports for receiving the connector, the one or more ports having an interchangeable anchor device including a first portion and a second portion; wherein the groove is configured to receive the first portion of the interchangeable anchor device when the connector is inserted into the receiving element, and wherein the complimentary groove is configured to receive the second portion of the interchangeable anchor device when the connector is inserted into the receiving element, the push-pull tab being configured to disengage the second portion of the interchangeable anchor device from the complementary groove when the push-pull tab is moved in a direction away from the connector, thereby disengaging the first portion of the interchangeable anchor device from the grove of the connector. Other aspects are described and claimed.

No. of Pages : 35 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/06/2019

(21) Application No.201917021859 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CARBON FIBERS WHICH CAN BE PRODUCED REGENERATIVELY OR PART-REGENERATIVELY FROM CO2 USING COMBINED PRODUCTION METHODS

(51) International classification :D01F9/22C12N1/12
(31) Priority Document No :20 2016 006 700.2
(32) Priority Date :01/11/2016
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2017/001269
Filing Date :30/10/2017
(87) International Publication No :WO 2018/095559
(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)ARNOLD, Uwe
3)BRCK, Thomas
(72)**Name of Inventor :**
1)KUSE, Kolja
2)ARNOLD, Uwe
3)BRCK, Thomas

(57) Abstract :
The invention relates to carbon fibers which are produced from CO2 based on different process chains. Amongst these, there are ways to produce, from natural base materials such as algal biomass, carbon fibre base materials such as PAN from CO2, but there are also purely artificial ways to produce, by means of Fischer-Tropsch synthesis, via which carbon fibre precursors are also produced from CO2. Auxiliary products such as biodiesel and nutrients, which can generate an additional benefit, are produced according to said method.

No. of Pages : 9 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/06/2019

(21) Application No.201917021860 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD AND APPARATUS FOR MEASURING AND LOGGING THE PERFORMANCE OF A VEHICLE SUSPENSION SYSTEM

(51) International classification :G01M17/04G01B9/00G01B11/14
(31) Priority Document No :2016904491
(32) Priority Date :03/11/2016
(33) Name of priority country :Australia
(86) International Application No :PCT/AU2017/051199
Filing Date :01/11/2017
(87) International Publication No :WO 2018/081855
(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)BLANCHARD, Mark
2)CHONG, Lydia
3)SMEDLEY, Robert
4)WRIGHT, Robert

(57) Abstract :
A method for measuring and logging the performance of a wheeled vehicle suspension system by measuring the dynamic performance of at least one component of said vehicle suspension system, the method including the steps of: setting the vehicle on a pre-determined path and within a pre-determined speed range; causing the suspension of said vehicle to be displaced by a substantially predetermined amount by causing the wheels of the vehicle to roll over one or more objects of known size on said path; measuring the displacement of said at least one suspension system component relative to the sprung mass of the vehicle and/or one or more fixed objects in response to said displacement; measuring the oscillation frequency of said at least one vehicle suspension system component in response to said displacement; and determining the suspension damping characteristics relating to the at least one vehicle suspension system component using the displacement and frequency measurements.

No. of Pages : 13 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917021870 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : HEATING DEVICE COMPRISING A GLAZING SUBSTRATE COATED ON BOTH SIDES

(51) International classification :C03C17/36F24C15/04
(31) Priority Document No :1663391
(32) Priority Date :26/12/2016
(33) Name of priority country :France
(86) International Application No :PCT/FR2017/053810
Filing Date :22/12/2017
(87) International Publication No :WO 2018/122515
(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)MORIN, Camille
2)HUIGNARD, Arnaud
3)URIEN, Mathieu

(57) Abstract :
Described is a heating device having a chamber defining a cavity, said device comprising a door or wall incorporating a preferably multiple glazing, said glazing comprising at least one transparent substrate coated on both sides with a stack of thin layers, namely: - on a first side, facing the cavity, a first stack that reflects heat essentially by virtue of one or more functional layers based on indium-tin oxide; and - on the other side, facing the exterior of the device, a second stack that reflects heat essentially by virtue of one or more functional layers based on a metal chosen from gold or preferably silver.

No. of Pages : 18 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917021872 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : NOVEL TOP-COMBUSTION HOT BLAST STOVE

(51) International classification :F23D14/02F23D14/62C21B9/02
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2016/104518
Filing Date :04/11/2016
(87) International Publication No :WO 2018/082001
(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)LI, Fuchao

(57) Abstract :
A novel top-combustion hot blast stove, comprising a mixing chamber (1), a combustion chamber (2) and a regenerator chamber (3); walls of the mixing chamber (1) consist of a cone roof wall on the upper portion and a column cavity wall on the lower portion, the outside of the column cavity wall being provided with an air inlet (7), the outside of the cone roof wall being provided with a coal gas inlet (4), the column cavity wall being perpendicularly provided, for mounting a plurality of layers of air flow channels enabling the air to flow rotatably upwards, the diameter of a circumfluent cyclone formed by the air flow jetted from each layer of the air flow channel being the same; the cone roof wall is provided in a circular cone shape, for mounting a plurality of layers of coal gas flow channels enabling the coal gas to flow rotatably downwards, the diameter of a circumfluent cyclone formed by the coal gas jetted from each layer of the coal gas flow channel being different, the diameter of the circumfluent cyclone on the bottom layer being greater than the diameter of the circumfluent cyclone on the upper layer, and the speed of the coal gas jetted from the coal gas flow channels being greater than the speed of air flow jetted from the air flow channels, such that the coal gas and the air form a plurality of layers of concentric cross-mixing circumfluent cyclones with different diameters in the mixing chamber (1), and then enter the combustion chamber (2) to combust. The structure and the gas mixing manner of the mixing chamber (1) of the present apparatus enable the sufficient combustion of the coal gas, achieving energy conservation and emission reduction.

No. of Pages : 15 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917021995 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : LOW POWER AND LOW LATENCY GPU COPROCESSOR FOR PERSISTENT COMPUTING

(51) International classification :G06F9/54G06F9/38
(31) Priority Document No :15/360057
(32) Priority Date :23/11/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/062039
Filing Date :16/11/2017
(87) International Publication No :WO 2018/098012
(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, Jiasheng
2)PALTASHEV, Timour
3)LYASHEVSKY, Alexander
4)WAKELAND, Carl Kittredge
5)MANTOR, Michael J.

(57) Abstract :
Systems, apparatuses, and methods for implementing a graphics processing unit (GPU) coprocessor are disclosed. The GPU coprocessor includes a SIMD unit with the ability to self-schedule sub-wave procedures based on input data flow events. A host processor sends messages targeting the GPU coprocessor to a queue. In response to detecting a first message in the queue, the GPU coprocessor schedules a first sub- task for execution. The GPU coprocessor includes an inter-lane crossbar and intra- lane biased indexing mechanism for a vector general purpose register (VGPR) file. The VGPR file is split into two files. The first VGPR file is a larger register file with one read port and one write port. The second VGPR file is a smaller register file with multiple read ports and one write port. The second VGPR introduces the ability to co- issue more than one instruction per clock cycle.

No. of Pages : 16 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917021996 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DUAL MODE LOCAL DATA STORE

(51) International classification :G06F9/38
(31) Priority Document No :15/360205
(32) Priority Date :23/11/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/062853
Filing Date :21/11/2017
(87) International Publication No :WO 2018/098183
(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)MANTOR, Michael, J.
3)BURTON, Hans

(57) Abstract :
A system and method for efficiently processing access requests for a shared resource are described. Each of many requestors are assigned to a partition of a shared resource. When a controller determines no requestor generates an access request for an unassigned partition, the controller permits simultaneous access to the assigned partitions for active requestors. When the controller determines at least one active requestor generates an access request for an unassigned partition, the controller allows a single active requestor to gain exclusive access to the entire shared resource while stalling access for the other active requestors. The controller alternatives exclusive access among the active requestors. In various embodiments, the shared resource is a local data store in a graphics processing unit and each of the multiple requestors is a single instruction multiple data (SIMD) compute unit.

No. of Pages : 14 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917022004 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : APPARATUS AND METHOD FOR PROTECTING THE TUBE-SHEET OF A SYNGAS LOOP BOILER

(51) International classification :F28F9/02F28F9/18F28F19/06
(31) Priority Document No :17425012.6
(32) Priority Date :31/01/2017
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2018/051193
Filing Date :18/01/2018
(87) International Publication No :WO 2018/141556
(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)COLOMBO, Marco
2)SARTI, Silvio

(57) Abstract :
A syngas loop boiler (10) comprises a casing (12) that surrounds a tube bundle (14), wherein the tube bundle (14) comprises a plurality of tubes (16). One end of each of the tubes (16) is joined to a tube-sheet (18) provided with corresponding tube-sheet inlet holes (20) for inletting the syngas in the boiler (10), wherein each tube-sheet inlet hole (20) is internally provided with at least a protective sleeve (22) welded at both ends to corresponding surfaces of the tube-sheet inlet hole (20). Each tube-sheet inlet hole (20) is provided with a first respective weld overlay (24A) placed at the inlet mouth of the tube-sheet inlet hole (20), so that a first end of each protective sleeve (22) is welded to the first weld overlay (24A). Each tube-sheet inlet hole (20) is internally provided with at least a bore groove (26) that contains a respective in-bore second weld overlay (24B), so that the second end of the protective sleeve (22) is welded to the in-bore second weld overlay (24B). Each protective sleeve (22) is thus welded at both ends to respective weld overlays (24A, 24B), with the possibility of removal and re-installation without performing any post weld heat treatment.

No. of Pages : 14 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917022008 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : HERBICIDAL COMPOUNDS

(51) International classification :C07D493/04A01N43/02
(31) Priority Document No :1621626.9
(32) Priority Date :19/12/2016
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2017/082798
Filing Date :14/12/2017
(87) International Publication No :WO 2018/114584
(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)HACHISU, Shuji
3)WILLETTS, Nigel, James
4)DALE, Suzanna, Jane

(57) Abstract :
The present invention relates to compounds of Formula (I), (I) or an agronomically acceptable salt of said compounds wherein R1, R2, R3, R4, R5, R6, R7, R8, R9, R10 and G are as defined herein. The invention further relates to herbicidal 10 compositions which comprise a compound of Formula (I), to their use for controlling weeds, in particular in crops of useful plants.

No. of Pages : 63 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019
(21) Application No.201917022160 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ROTATING LOCKING MECHANISM AND VEHICLE LOCK EMPLOYING SAME, AND LOCKING CONTROL METHOD

(51) International classification :B62H5/16E05B15/00
(31) Priority Document No :201611110920.4
(32) Priority Date :06/12/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/106981
Filing Date :20/10/2017
(87) International Publication No :WO 2018/103459
(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)LI, Jichu

(57) Abstract :
A rotating locking mechanism and a vehicle lock employing same, and a locking control method; locking of a rotating output piece (1) is implemented by means of a stable triangular support structure between a first locking piece (2) and a second locking piece (3), the second locking piece (2) producing an effective constraint on the first locking piece (2) in both a locked state and in an unlocked state, thus achieving product locking and unlocking reliability. The entire locking mechanism is controlled by means of the same switch piece (4), such that the control process is more compact and effective. Incorrect locking operations during rotation of a rotating member are effectively prevented by means of the mechanical structure and the automatic control method; locking is highly reliable, use is simple and convenient, and the entire rotating locking mechanism can be sealed and fixed inside a vehicle lock housing for use in the transmission machinery of a bicycle, an electric vehicle, a motorcycle or even a lightweight automobile.

No. of Pages : 16 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022163 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD OF CONTROLLING TRAFFIC FLOWS IN A RADIO COMMUNICATIONS NETWORK, REMOTE NODE AND RADIO COMMUNICATIONS NETWORK

(51) International classification :H04L12/801H04L12/825
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2016/081804
Filing Date :19/12/2016
(87) International Publication No :WO 2018/113907
(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)IOVANNA, Paola
3)BOTTARI, Giulio
4)PONZINI, Filippo

(57) Abstract :
A method (100) of controlling traffic flows in a radio communications network, the method comprising steps of: receiving (102) at a remote node a plurality of traffic flows transmitted from a plurality of radio units; buffering (104) the traffic flows in a common buffer of the remote node; and causing (106) a control signal to be sent to a baseband unit when a fill level of the common buffer is predicted to go above a maximum fill level within a pre-set time interval, wherein the control signal is configured to cause an adjustment of a radio resource allocation of one of the plurality of radio units to cause a reduction in a data rate of the traffic flow transmitted from said radio unit.

No. of Pages : 19 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022166 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : OIL SOLUBLE SULFIDE SCAVENGERS WITH LOW SALT CORROSION AND METHODS OF MAKING AND USING THESE SCAVENGERS

(51) International classification :C07C239/10B01D53/14
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2016/065269
Filing Date :07/12/2016
(87) International Publication No :WO 2018/106221
(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)BAGARIA, Hitesh Ghanshyam
2)KAPLAN, Gregory

(57) Abstract :
Sulfide scavengers useful to reduce sulfide concentration in fluid streams and methods of using these scavengers. The scavengers comprise oil soluble reaction products of formaldehyde/N-substituted hydroxylamines and can be used to reduce, for example, H2S content in viscous hydrocarbon oil streams.

No. of Pages : 8 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022173 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : QUATERNARY CATIONIC POLYMERS

(51) International classification :C08G73/02C08L79/02A01N33/12
(31) Priority Document No :62/433903
(32) Priority Date :14/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/065873
Filing Date :12/12/2017
(87) International Publication No :WO 2018/111911
(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)ZONG, Zhengang
2)XIONG, Kun
3)CRAMM, Jeffrey, R.
4)HUANG, Xiaodong
5)MOLONEY, Jeremy
6)DHAWAN, Ashish

(57) Abstract :
A cationic polymer salt composition is provided that includes a reaction product derived from reaction of a polyamine or a polyalkyleneimine and a substituted alkyl trialkyl quaternary ammonium salt. Also provided are surfactant compositions. The compositions may also include carriers, such as water, methanol, ethanol, propanol, isopropanol, butanol, isobutanol, monoethyleneglycol, an ethyleneglycol monobutyl ether, and hexylene glycol.

No. of Pages : 69 No. of Claims : 55

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019
(21) Application No.201917022175 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SHADER WRITES TO COMPRESSED RESOURCES

(51) International classification :G06T9/00
(31) Priority Document No :15/389075
(32) Priority Date :22/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/067697
Filing Date :20/12/2017
(87) International Publication No :WO 2018/119131
(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)MIRZA, Jimshed
2)BRENNAN, Christopher J.
3)CHAN, Anthony
4)LAI, Leon

(57) Abstract :
Systems, apparatuses, and methods for 5 performing shader writes to compressed surfaces are disclosed. In one embodiment, a processor includes at least a memory and one or more shader units. In one embodiment, a shader unit of the processor is configured to receive a write request targeted to a compressed surface. The shader unit is configured to identify a first block of the compressed surface targeted by the write request. Responsive to determining the data of the write request targets less than the entirety of the first block, the first shader unit reads the first block from the cache and decompress the first block. Next, the first shader unit merges the data of the write request with the decompressed first block. Then, the shader unit compresses the merged data and writes the merged data to the cache.

No. of Pages : 12 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022344 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ANTIBODIES AND POLYPEPTIDES DIRECTED AGAINST CD127

(51) International classification :C07K16/28A61P37/00
(31) Priority Document No :16306655.8
(32) Priority Date :09/12/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/081911
Filing Date :07/12/2017
(87) International Publication No :WO 2018/104483
(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)MARY, Caroline
3)VANHOVE, Bernard
4)THEPENIER, Virginie

(57) Abstract :
The invention is in the field of antibodies useful in therapeutic and diagnostics applications targeting CD127, the alpha chain of the IL7 receptor, and provides in particular humanized monoclonal antibodies against CD127, particularly human CD127, therapeutic uses thereof, and diagnostics applications.

No. of Pages : 69 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022345 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : NEW TWIN TAIL AMINE COMPOUNDS AND THEIR ZWITTERIONIC DERIVATIVES

(51) International classification	:C07C211/14C07C291/04A01N25/30
(31) Priority Document No	:16306467.8
(32) Priority Date	:08/11/2016
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2017/078672 :08/11/2017
(87) International Publication No	:WO 2018/087188
(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)BACK, Olivier
2)COMPANY, Roberto
3)LIU, Hong
4)LEROY, Rmy
5)MARION, Philippe

(57) Abstract :
A compound of general formula (I) or (II), wherein Rn and Rm independently represent a C3-C27 aliphatic group, R1 to R4, which may be the same or different at each occurrence, represent hydrogen or a C1-C8 alkyl group, X1 and X2, which may be the same or different at each occurrence, represent a linear or branched divalent hydrocarbon radical with 1 to 24 carbon atoms which can be optionally substituted and/or interrupted by one or more heteroatoms or heteroatom containing groups, and R5 and R6, which may be the same or different at each occurrence, represent a group selected from -O-, -Alk-CH(OH)-CH2-SO3- and -Alk-CO2- wherein Alk represents an alkylene group.

No. of Pages : 51 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022347 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ANTIGEN-BINDING PROTEINS THAT ANTAGONIZE LEPTIN RECEPTOR

(51) International classification :C07K16/28A61K39/395
(31) Priority Document No :62/419062
(32) Priority Date :08/11/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/060690
Filing Date :08/11/2017
(87) International Publication No :WO 2018/089532
(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)STEVIS, Panayiotis
3)ALTAREJOS, Judith

(57) Abstract :
The present invention provides antibodies and antigen-binding fragments of antibodies that bind to leptin receptor (LEPR), and methods of using the same. According to certain embodiments, the invention includes antibodies and antigen-binding fragments of antibodies that bind LEPR and antagonize LEPR signaling. In certain embodiments, the invention includes antibodies and antigen-binding fragments of antibodies that bind LEPR in the presence or absence of leptin. In other embodiments, the invention includes antibodies and antigen-binding fragments of antibodies that exhibit partial agonism of LEPR signaling. The antibodies and antigen-binding fragments of the present invention are useful for the treatment of various conditions, including but not limited to congestive heart failure cachexia, pulmonary cachexia and cancer cachexia, autoimmune disorders such as inflammatory bowel disease, lupus erythematosus, multiple sclerosis, psoriasis, cardiovascular diseases, elevated blood pressure, neurodegenerative disorders, depression, cancer such as hepatocellular carcinoma, melanoma, breast cancer, and other diseases and disorders associated with or caused by elevated leptin signaling.

No. of Pages : 53 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022348 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : STAINLESS STEEL POWDER FOR PRODUCING DUPLEX SINTERED STAINLESS STEEL

(51) International classification :C22C33/02B22F9/08C22C38/40
(31) Priority Document No :16202574.6
(32) Priority Date :07/12/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/081234
Filing Date :01/12/2017
(87) International Publication No :WO 2018/104179
(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)BADWE, Sunil

(57) Abstract :
Embodiments of the present invention may provide a new stainless steel powder suitable for manufacturing of duplex sintered stainless steels. Embodiments of the present invention may also relate to a method for producing the stainless steel powder, the duplex sintered stainless steel as well as methods for producing the duplex sintered stainless steel.

No. of Pages : 22 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022350 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : GROUP AND METHOD FOR UNCLOGGING A FILTER OF A PUMPING GROUP FOR PUMPING DIESEL TO AN INTERNAL COMBUSTION ENGINE

(51) International classification :F02D41/06F02D41/38F02M37/22
(31) Priority Document No :102016000123942
(32) Priority Date :06/12/2016
(33) Name of priority country :Italy
(86) International Application No :PCT/EP2017/081164
Filing Date :01/12/2017
(87) International Publication No :WO 2018/104168
(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 CARLO, Pietro
2)MEDORO, Nello

(57) Abstract :
Unclogging group for unclogging a filter of a pumping group for pumping diesel to an internal combustion engine, the unclogging group comprising: - a metering unit comprising an electromagnetic head and a control valve for controlling the diesel flow; - a filter associated with the control valve made at least in part of metallic material; - a temperature sensor for measuring the ambient temperature; - a control unit coupled to the temperature sensor; - an electrical circuit controlled by the control unit for supplying electrical current to the filter; wherein the control unit is configured so once received the starting input of the pumping group it compares the temperature measured by the temperature sensor with a threshold value, and if the temperature measured by the temperature sensor is less than the threshold value the control unit commands a delay of the starting of the pumping group of a period wherein the control unit supplies electrical current to the electrical circuit connected to the filter.

No. of Pages : 12 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022176 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD AND APPARATUS FOR ACCESSING NON-VOLATILE MEMORY AS BYTE ADDRESSABLE MEMORY

(51) International classification	:G06F13/38G06F12/00G06F12/0802
(31) Priority Document No	:15/389811
(32) Priority Date	:23/12/2016
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/CA2017/051471 :06/12/2017
(87) International Publication No	:WO 2018/112604
(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)CHENG, Gongxian Jeffrey

(57) Abstract :
Described herein is a method and system for accessing a block addressable input/output (I/O) device, such as a non-volatile memory (NVM), as byte addressable memory. A front end processor connected to a Peripheral Component Interconnect Express (PCIe) switch performs as a front end interface to the block addressable I/O device to emulate byte addressability. A PCIe device, such as a graphics processing unit (GPU), can directly access the necessary bytes via the front end processor from the block addressable I/O device. The PCIe compatible devices can access data from the block I/O devices without having to go through system memory and a host processor. In an implementation, a system can include block addressable I/O, byte addressable I/O and hybrids thereof which support direct access to byte addressable memory by the host processor, GPU and any other PCIe compatible device.

No. of Pages : 17 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022178 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : PYRROLE AMIDES AS ALPHA V INTEGRIN INHIBITORS

(51) International classification :C07D471/04A61K31/4375A61P11/00
(31) Priority Document No :62/418833
(32) Priority Date :08/11/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/060392
Filing Date :07/11/2017
(87) International Publication No :WO 2018/089360
(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)MIGNONE, James

(57) Abstract :
The present invention provides compounds of Formula (I) or stereoisomers, tautomers, or pharmaceutically acceptable salts or solvates thereof, wherein all the variables are as defined herein. These compounds are inhibitors to αv-containing integrins. This invention also relates to pharmaceutical compositions comprising these compounds and methods of treating a disease, disorder, or condition associated with dysregulation of αv-containing integrins, such as pathological fibrosis, transplant rejection, cancer, osteoporosis, and inflammatory disorders, by using the compounds and pharmaceutical compositions.

No. of Pages : 104 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022179 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CYCLOBUTANE- AND AZETIDINE-CONTAINING MONO AND SPIROCYCLIC COMPOUNDS AS ALPHA V INTEGRIN INHIBITORS

(51) International classification	:C07D471/04A61K31/4375A61P11/00
(31) Priority Document No	:62/418859
(32) Priority Date	:08/11/2016
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2017/060383 :07/11/2017
(87) International Publication No	:WO 2018/089355
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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4)PIENIAZEK, Susan Nicole
5)SELVAKUMAR, Kumaravel
6)DHANUSU, Suresh
7)PANDA, Manoranjan
8)MARCIN, Lawrence R.

(57) Abstract :
The present invention provides compounds of Formula (I): or stereoisomers, tautomers, or pharmaceutically acceptable salts or solvates thereof, wherein all the variables are as defined herein. These compounds are antagonists to αv- containing integrins. This invention also relates to pharmaceutical compositions comprising these compounds and methods of treating a disease, disorder, or condition associated with dysregulation of av-containing integrins, such as pathological fibrosis, transplant rejection, cancer, osteoporosis, and inflammatory disorders, by using the compounds and pharmaceutical compositions.

No. of Pages : 353 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022180 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : INDAZOLE DERIVATIVES AS αV INTEGRIN ANTAGONISTS

(51) International classification :C07D401/14C07D471/04C07D498/04
(31) Priority Document No :62/418842
(32) Priority Date :08/11/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/060386
Filing Date :07/11/2017
(87) International Publication No :WO 2018/089357
(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)YE, Xiang-Yang
2)MORALES, Christian L.
3)HIGGINS, Mendi A.
4)MULL, Eric

(57) Abstract :
The present invention provides compounds of Formula (Ia) or (Ib): or stereoisomers, tautomers, or pharmaceutically acceptable salts or solvates thereof, wherein all the variables are as defined herein. These compounds are antagonists to αV- containing integrins. This invention also relates to pharmaceutical compositions comprising these compounds and methods of treating a disease, disorder, or condition associated with dysregulation of αV-containing integrins, such as pathological fibrosis, transplant rejection, cancer, osteoporosis, and inflammatory disorders, by using the compounds and pharmaceutical compositions.

No. of Pages : 284 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022182 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : AZOLE AMIDES AND AMINES AS ALPHA V INTEGRIN INHIBITORS

(51) International classification :C07D471/04A61K31/4375A61P11/00
(31) Priority Document No :62/418838
(32) Priority Date :08/11/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/060390
Filing Date :07/11/2017
(87) International Publication No :WO 2018/089358
(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)WANG, Wei

(57) Abstract :
The present invention provides compounds of Formula (I): (Formula (I)), or stereoisomers, tautomers, or pharmaceutically acceptable salts or solvates thereof, wherein all the variables are as defined herein. These compounds are inhibitors to αv-containing integrins. This invention also relates to pharmaceutical compositions comprising these compounds and methods of treating a disease, disorder, or condition associated with dysregulation of αv-containing integrins, such as pathological fibrosis, transplant rejection, cancer, osteoporosis, and inflammatory disorders, by using the compounds and pharmaceutical compositions.

No. of Pages : 253 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917022011 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CAMERA MODULE INCLUDING APERTURE AND ELECTRONIC DEVICE INCLUDING THE SAME

(51) International classification :G03B9/06H04N5/225G03B7/00
(31) Priority Document No :10-2016-0166855
(32) Priority Date :08/12/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2017/013956
Filing Date :30/11/2017
(87) International Publication No :WO 2018/105952
(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)LEE, Kyung Bae

(57) Abstract :
A camera module is provided. The camera module includes a lens barrel including at least one lens and a lens hole, and a variable aperture including an aperture hole area which is arranged on the lens hole formed in the lens barrel, a size of the aperture hole area being is adjustable, and an electronic device including the same.

No. of Pages : 44 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917022019 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : FILLED ELASTOMERS WITH IMPROVED THERMAL AND MECHANICAL PROPERTIES

(51) International classification :C08K9/04C08L15/00C08K3/00
(31) Priority Document No :62/421494
(32) Priority Date :14/11/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/061428
Filing Date :14/11/2017
(87) International Publication No :WO 2018/089962
(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)MOOSBRUGGER, John, C.
4)TORABIZADEH, Monavareh
5)PUTNAM, Zackary
6)HUANG, Ming, Yu
7)DONG, Yuhua

(57) Abstract :
The invention relates to elastomeric compositions containing filler particles that are predominantly two-dimensional in shape. The elastomeric compositions exhibit significantly improved thermal, chemical, and mechanical properties as compared with elastomers containing conventional fillers such as natural clay, carbon black, and carbon fiber. In addition, the elastomeric compositions of the invention exhibit improved resistance to solvent-induced swelling and to unwanted permeation of gases such as hydrogen sulfide. The invention also provides a method of forming such elastomeric compositions and methods of using such elastomeric compositions to prepare elastomeric articles with improved resistance to thermal, chemical, and mechanical stresses.

No. of Pages : 34 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917022020 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SYSTEMS AND METHODS FOR STREAMING MEDIA

(51) International classification :H04L29/06H04L29/08
(31) Priority Document No :62/426021
(32) Priority Date :23/11/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/063061
Filing Date :22/11/2017
(87) International Publication No :WO 2018/098313
(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)CHRISTMAS, Coy
2)MALPASS, Luke

(57) Abstract :
A content storage system is provided. The content storage system may include a portable content repository device comprising a processor, a storage module, and a communication module. The storage module may store content (e.g., audio, video, images, or documents) from and transmit the content to various computing devices. The communication module may include a first wireless chip configured to communicate over an 802.11 wireless channel, and a second wireless chip configured to communicate over a Bluetooth channel. A computing device may communicate with the content repository device over the Bluetooth channel and/or the 802.11 wireless channel. The computing device transmits content to the content repository device for storage in response to generating the content. The content may include an access control that can be triggered by the content repository device to at least one of lock or delete the content from the computing device.

No. of Pages : 34 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917022021 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : PACKAGE FOR DELIVERY OF ADDITIVES FOR POWDERED COMPOSITIONS

(51) International classification :B65D81/32B65D51/28B65D65/46
(31) Priority Document No :15/362403
(32) Priority Date :28/11/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/062995
Filing Date :22/11/2017
(87) International Publication No :WO 2018/098263
(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)BERNICKE-GRUSSING, Nancy L.
3)GRUSSING, Jeffrey F.
4)IMMORDINO, Salvatore C.
5)KINCAID, Tyler
6)MILLER, Charles

(57) Abstract :
A joint compound system (10) is provided including a main container (12) of base joint compound; and an additive container (28) isolated from the base joint compound and housing at least one and preferably multiple additive packages (30) constructed and arranged so that the additive packages are protected from exposure to moisture prior to their ultimate mixing with the base joint compound.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917022022 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SHOCK ABSORBER

(51) International classification :B62K25/08B60G13/14F03G7/08
(31) Priority Document No :10 2017 105 869.9
(32) Priority Date :20/03/2017
(33) Name of priority country :Germany
(86) International Application No :PCT/DE2018/100036
Filing Date :17/01/2018
(87) International Publication No :WO 2018/171827
(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)DOSHI, Pritesh

(57) Abstract :
A shock absorber for the damped cushioning of impacts, in particular for a bicycle (10), is provided, with a damper cylinder (16), a spring strut (18) guided linearly in the damper cylinder (16) to provide damping, a magnet arrangement (24) for generating a magnetic field and a coil (26) interacting with the magnet arrangement (24) for the electromagnetic induction, wherein a linear relative movement of the magnet arrangement (24) with respect to the coil (26) is coupled to a relative movement of the spring strut (18) with respect to the damper cylinder (16), wherein the magnet arrangement (24) has magnets (32) oriented with alternate poles substantially parallel to each other. By means of the magnets (32) oriented with alternate poles substantially parallel to each other, a particularly large electrical current can be induced with a coil (26), which is suitably configured for this purpose, and therefore good electrical use of energy occurring during the damping of impacts is made possible.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019
(21) Application No.201917021900 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : BURNER TIP HAVING AN AIR CHANNEL STRUCTURE AND A FUEL CHANNEL STRUCTURE FOR A BURNER, AND METHOD FOR PRODUCING SAID BURNER TIP

(51) International classification :F23R3/34F23D11/38F23D14/22
(31) Priority Document No :10 2017 200 643.9
(32) Priority Date :17/01/2017
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2018/050206
Filing Date :04/01/2018
(87) International Publication No :WO 2018/134058
(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)HOCKLEY, Carl
2)KIENER, Christoph
3)KREUTZER, Andreas
4)SALCHER, Matthias

(57) Abstract :
The invention relates to a burner tip (19) for installation in a burner (11), wherein the burner tip (19) has a surface (OF) facing a combustion chamber (BR), an air channel structure (21) leading to the surface (OF) and defining an air channel (20), and a fuel channel structure (32) leading to the surface (OF), and wherein the fuel channel structure (32) defines a fuel channel (33), which extends in a surface region (OFB) of the burner tip (19) in a first direction parallel to the surface (OF) and then extends back, at least in part, in a second direction (2R), different from the first direction (1R), in order to cool the surface region (OFB) of the burner tip (19) by a fuel flowing through the fuel channel (33) during operation of the burner tip (19).

No. of Pages : 21 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917021901 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD TO ADDITIVELY MANUFACTURE A FIBER-REINFORCED CERAMIC MATRIX COMPOSITE

(51) International classification	:C04B35/80C04B35/117C04B35/185
(31) Priority Document No	:17153083.5
(32) Priority Date	:25/01/2017
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2018/050012 :02/01/2018
(87) International Publication No	:WO 2018/137894
(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)BRANDT, Milan
2)DIETRICH, Jens
3)KELBASSA, Ingomar

(57) Abstract :
The present invention relates to a method of additively manufacturing a ceramic matrix composite material (10) comprising providing a ceramic fiber (3) and a powdery base material (2) for a ceramic matrix composite and layer-by- layer building up the ceramic matrix material (5) for the ceramic matrix composite by irradiating of a powder bed formed by the base material (2) with an energy beam (6) according to a predetermined geometry, wherein the base material (2) is remelted, solidified and adhesively joined to the ceramic fiber (3) in that parameters of the energy beam (6) are locally chosen such that in the contact region (CR) of the ceramic fiber (3) and the powder bed, the ceramic fiber (3) is only partly remelted.

No. of Pages : 20 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917021916 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : COUPLING DEVICE

(51) International classification :A61M39/26F16L37/34A61M39/10
(31) Priority Document No :1651467-1
(32) Priority Date :09/11/2016
(33) Name of priority country :Sweden
(86) International Application No :PCT/EP2017/078619
Filing Date :08/11/2017
(87) International Publication No :WO 2018/087153
(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)HEDBECK, Katarina
3)BLACKER, Christopher
4)ANDERSSON, Hanna
5)BRAKHYA, Ronny
6)AXELSSON, Robert
7)WIKSTR–M, Samuel

(57) Abstract :
A coupling device (100) for transferring a fluid is provided. The coupling device comprises a first housing (110), a tube portion (140) projecting into the first housing, and a second housing (200) displaceably arranged within the first housing. The coupling device further comprises a third housing (300) releasably connectable to the second housing and displaceably arranged within the first housing when connected to the second housing. In a first position of the second housing, the first and second channels constitute a passage which is sealed by the first and second sealing elements when the second housing and the third housing are connected. In a second position, the tube portion projects through the first and second sealing elements and into the sealed passage for enabling a transfer of fluid through the coupling device.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917021920 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SELF-ASSEMBLED POLYMERIC VESICULAR STRUCTURES WITH FUNCTIONAL MOLECULES

(51) International classification	:B01D67/00B01D69/12B01D69/14
(31) Priority Document No	:1619072.0
(32) Priority Date	:11/11/2016
(33) Name of priority country	:U.K.
(86) International Application No Filing Date	:PCT/EP2017/078888 :10/11/2017
(87) International Publication No	:WO 2018/087289
(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)SPULBER, Mariana
2)GERSTANDT, Karen

(57) Abstract :
Disclosed is a vesicle comprising polystyrene-polyacrylic acid (PS-PAA) block copolymer and an amphiphilic functional molecule. The vesicle is stable even at elevated temperatures and the amphiphilic functional molecule remains active. Also discloses is a selectively permeable membrane comprising a support layer and a selective layer incorporating the vesicles.

No. of Pages : 33 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917021924 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : GAP MEASUREMENT FOR VEHICLE CONVOYING

(51) International classification :B60W40/12B60W50/06G01S13/92
(31) Priority Document No :PCT/US2016/060167
(32) Priority Date :02/11/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/058477
Filing Date :26/10/2017
(87) International Publication No :WO 2018/085107
(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)SCHUH, Austin B.
2)ERLIEN, Stephen M.
3)PLEINES, Stephan
4)JACOBS, John L.
5)SWITKES, Joshua P.

(57) Abstract :
A variety of methods, controllers and algorithms are described for identifying the back of a particular vehicle (e.g., a platoon partner) in a set of distance measurement scenes and/or for tracking the back of such a vehicle. The described techniques can be used in conjunction with a variety of different distance measuring technologies including radar, LIDAR, camera based distance measuring units and others. The described approaches are well suited for use in vehicle platooning and/or vehicle convoying systems including tractor-trailer truck platooning applications. In another aspect, technique are described for fusing sensor data obtained from different vehicles for use in the at least partial automatic control of a particular vehicle. The described techniques are well suited for use in conjunction with a variety of different vehicle control applications including platooning, convoying and other connected driving applications including tractor-trailer truck platooning applications.

No. of Pages : 44 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022184 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : PILOT-DATA OVERLAP DESIGN FOR UPLINK TRANSMISSION

(51) International classification :H04W72/04
(31) Priority Document No :15/374065
(32) Priority Date :09/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CN2017/099204
Filing Date :26/08/2017
(87) International Publication No :WO 2018/103382
(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)CAO, Yu
2)ABDOLI, Javad
3)MA, Jianglei

(57) Abstract :
Systems and methods are provided in which uplink transmission of pilot uses time-frequency resources that overlap with time-resources for the uplink transmission of data, by the same UE or different UEs. This can result in a decrease in pilot overhead, or if longer pilot sequences are used, can result in a decrease in collision probability. In a group-based approach, UEs are organized into groups, and each group is allocated the same resources for pilot and data.

No. of Pages : 26 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022191 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CALL COLLISION RESOLUTION IN A COMMUNICATION NETWORK

(51) International classification :H04M3/42H04M3/56H04M7/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2016/082549
Filing Date :23/12/2016
(87) International Publication No:WO 2018/113992
(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)FUSCO, Antonio

(57) Abstract :
Resolving a call collision in a communication network. The method comprises, at a network node of the communication network: a) receiving a first call request message from a first user device to set up a call from the first user device to a second user device; b) checking whether the second user device has, simultaneously with the first call request sent a second call request message to set up a call from the second user device to the first user device; and c) in the affirmative, routing the first call request message and the second call request message to a conference bridge. The two call requests are bridged together in a conference call handled by the conference bridge.

No. of Pages : 21 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022192 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : POLYOLEFIN ELASTOMER COMPOSITIONS AND METHODS OF MAKING THE SAME

(51) International classification :C08L51/06C08J3/24C08F8/00
(31) Priority Document No :62/497954
(32) Priority Date :10/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/065459
Filing Date :08/12/2017
(87) International Publication No :WO 2018/107118
(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)LENHART, Robert J.
3)JI, Gending
4)HERD-SMITH, Roland

(57) Abstract :
An elastomeric article is provided that includes a composition having a silane-crosslinked polyolefin elastomer with a density less than 0.90 g/cm3. The elastomeric article can exhibit a compression set of from about 5.0 % to about 35.0 %, as measured according to ASTM D 395 (22 hrs @ 70 °C). The silane-crosslinked polyolefin elastomer can include a first polyolefin having a density less than 0.86 g/cm3, a second polyolefin having a crystallinity less than 40 %, a silane crosslinker, a grafting initiator, and a condensation catalyst.

No. of Pages : 67 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022193 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : FIRING ASSEMBLY COMPRISING A FUSE

(51) International classification :A61B17/072A61B90/00A61B17/00
(31) Priority Document No :15/385908
(32) Priority Date :21/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2017/056672
Filing Date :26/10/2017
(87) International Publication No :WO 2018/116000
(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)SHELTON, IV, Frederick E.
3)SWAYZE, Jeffrey S.
4)HENSEL, Adam D.
5)RECTOR, Jason M.
6)WANG, Bingshi
7)OVERMYER, Mark D.

(57) Abstract :
Surgical instruments are disclosed which comprise a firing assembly configured to apply a firing load to an end effector of the surgical instrument during a firing stroke. The firing assembly comprises a fuse configured to interrupt the firing stroke and/or prevent the firing load from being applied to the end effector.

No. of Pages : 104 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022194 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : FIRING ASSEMBLY COMPRISING A LOCKOUT

(51) International classification :A61B17/072
(31) Priority Document No :15/385905
(32) Priority Date :21/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2017/056670
Filing Date :26/10/2017
(87) International Publication No :WO 2018/115999
(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)RECTOR, Jason M.
4)FANELLI, Nicholas
5)ZERKLE, Jason E.
6)BAKOS, Gregory J.

(57) Abstract :
Surgical instruments are disclosed which comprise a firing assembly configured to apply a firing force to an end effector. The surgical instruments further comprise a firing force lockout configured to stop and/or prevent a firing stroke of the firing assembly.

No. of Pages : 104 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022196 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SURGICAL INSTRUMENT SYSTEM COMPRISING AN END EFFECTOR LOCKOUT AND A FIRING ASSEMBLY LOCKOUT

(51) International classification :A61B17/072A61B90/00
(31) Priority Document No :15/385907
(32) Priority Date :21/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/064492
Filing Date :04/12/2017
(87) International Publication No :WO 2018/118403
(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)BAKOS, Gregory, J.
3)HARRIS, Jason, L.

(57) Abstract :
Surgical stapling instruments are disclosed comprising a staple cartridge, a firing member, and a cartridge lockout configured to prevent the firing member from being advanced through the staple cartridge if the staple cartridge has been already spent. The stapling instruments further comprise a lockout in the shaft that responds to the cartridge lockout blocking the firing member.

No. of Pages : 104 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/06/2019

(21) Application No.201917022364 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : HIGH-CONCENTRATION FLUENSULFONE FORMULATIONS, THEIR USES AND PROCESSES OF PREPARATION

(51) International classification :A01N25/02A01N43/78A01P5/00
(31) Priority Document No :PCT/IB2016/001863
(32) Priority Date :09/12/2016
(33) Name of priority country :PCT
(86) International Application No :PCT/IB2017/001636
Filing Date :08/12/2017
(87) International Publication No :WO 2018/104787
(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)SILBERT, Gilad

(57) Abstract :
The subject invention provides stable liquid fluensulfone formulations comprising an amount of fluensulfone, an amount of a cyclic ketone, and at least one agrochemically acceptable inert additive. The subject invention also provides high-concentration formulations comprising fluensulfone and at least one agrochemically acceptable inert additive, wherein the formulation comprises an organic phase and the concentration of fluensulfone in the organic phase of the formulation is greater than 40% by weight. The subject invention also provides methods of controlling a pest using the fluensulfone formulations described herein. The present invention provides processes of preparing the fluensulfone formulations described herein.

No. of Pages : 38 No. of Claims : 83

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/06/2019

(21) Application No.201917022385 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD FOR ADJUSTING SCREEN SIZE AND ELECTRONIC DEVICE THEREFOR

(51) International classification	:G06F3/0488G06F3/0481G06F3/0484
(31) Priority Document No	:10-2016-0163681
(32) Priority Date	:02/12/2016
(33) Name of priority country	:Republic of Korea
(86) International Application No Filing Date	:PCT/KR2017/012366 :03/11/2017
(87) International Publication No	:WO 2018/101621
(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)HAN, Jonghyun
2)KO, Kwanghyun
3)LIM, Dongkyu

(57) Abstract :
Various embodiments of the present invention relate to an apparatus and method for adjusting a screen size in an electronic device. The electronic device comprises a touch screen and a processor, wherein the processor may perform control so as to: detect a touch input from a reference area set in at least a partial area of the touch screen; when it is detected that the touch input moves, activate a screen adjustment mode on the basis of a movement range of the touch input; when the touch input is maintained, adjust a screen size of the touch screen on the basis of the movement distance of the touch input; and when the touch input is released, set, as a screen size in the screen adjustment mode, the screen size at the time when the touch input is released. Other embodiments may also be possible.

No. of Pages : 41 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/06/2019

(21) Application No.201917022386 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : OPTICAL LENS ASSEMBLY AND METHOD OF FORMING IMAGE USING THE SAME

(51) International classification :G02B13/00G03B7/085G02B7/02
(31) Priority Document No :10-2016-0170414
(32) Priority Date :14/12/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2017/014709
Filing Date :14/12/2017
(87) International Publication No :WO 2018/110994
(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)SEO, Jung-pa
3)KANG, Byung-kwon

(57) Abstract :
Provided are an optical lens assembly and a method of forming an image. The optical lens assembly includes: a first lens having a convex object-side surface; a second lens having a convex object-side surface; at least one lens at an image side of the second lens; a first stop being a variable stop at an object side of the first lens; and a second stop at an image side of the first lens, wherein the second stop determines a minimum F number, and the first stop is variable to determine an F number greater than the minimum F number.

No. of Pages : 32 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/06/2019

(21) Application No.201917022390 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : USE OF A POLYMERIC MATERIAL BASED ON POLYETHERKETONEKETONES FOR REDUCING WEAR

(51) International classification :C09D171/00C08L71/00C08K3/00
(31) Priority Document No :16206488.5
(32) Priority Date :22/12/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/084493
Filing Date :22/12/2017
(87) International Publication No :WO 2018/115490
(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)BRULE, Beno®t
2)VANDRICH, Holger

(57) Abstract :
The present invention is directed to a wear and friction article, comprising on at least one of the surfaces thereof a polymeric material comprising: 20 to 100% by weight of at least one polyetherketoneketone (PEKK); 0 to 80% by weight of one or more fillers; and 0 to 20% by weight of one or more additives. It further concerns the use of such a polymeric material for reducing wear and/or friction at elevated temperature.

No. of Pages : 19 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/06/2019

(21) Application No.201917022391 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SPRAYING DEVICE

(51) International classification :B05B9/04B05B9/08B05B12/00
(31) Priority Document No :16203795.6
(32) Priority Date :13/12/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/081820
Filing Date :07/12/2017
(87) International Publication No :WO 2018/108696
(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, Walter
2)BACKHAUS, Christof
3)VORHOLZER, Jule
4)YARDIM, Burak
5)LAGONERA, Juan Carlos

(57) Abstract :
The invention relates to a device and method for applying a spraying means using a portable spraying device.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/06/2019

(21) Application No.201917022392 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : WOUND TRANSMISSION BODY STRETCHING DEVICE

(51) International classification :F16H7/08
(31) Priority Document No :2016-229375
(32) Priority Date :25/11/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/036315
Filing Date :05/10/2017
(87) International Publication No :WO 2018/096802
(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)TSUJI, Naoto
2)SEKI, Hideaki

(57) Abstract :
In the present invention a register clip (35) comprises engaging parts (35a) engaging an engagement groove, a spring part (35b), and an operation part (35c). The number of coil windings, the winding diameter, and the like of the spring part (35b) can be designed with a high degree of freedom, and the engaging parts (35a) expand centered around the spring part (35a), so the expansion resistance can be optimized.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019
(21) Application No.201917022023 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ELECTRONIC DEVICE AND METHOD FOR MANUFACTURING SAME

(51) International classification :H05K1/18H05K3/00
(31) Priority Document No :2017-034684
(32) Priority Date :27/02/2017
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/041269
Filing Date :16/11/2017
(87) International Publication No :WO 2018/154879
(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)KAWAI, Wakahiro

(57) Abstract :
This electronic device (1) is provided with: an electronic component (10) having electrodes (11, 12); a resin molding (20) in which the electronic component (10) is embedded such that the electrodes (11, 12) are exposed; a resin member (30) interposed between the resin molding (20) and the electronic component (10), and exposed from the resin molding (20); and wirings (40, 41) formed on the resin molding (20) and the resin member (30), and respectively connected to the electrodes (11, 12). As a result, disconnection of the wirings connected to the electronic component embedded in the resin molding hardly occurs.

No. of Pages : 19 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917022024 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : PRODUCING A POLYETHYLENE POLYMER

(51) International classification :C08F10/02
(31) Priority Document No :62/426840
(32) Priority Date :28/11/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/063261
Filing Date :27/11/2017
(87) International Publication No :WO 2018/098425
(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)BERNAL, Samuel
2)GOODE, Mark G.
3)ALEXANDRE, Francois
4)MATTHEWS, William A.

(57) Abstract :
The present disclosure provides for a system and method for producing a polyethylene polymer (PE) that includes measuring a melt flow index (MFI) of the PE, comparing the measured value of the MFI to a predetermined desired range for the MFI, changing a catalyst feed rate to the polymerization reactor based on the compared values of the MFI, where changes in the catalyst feed rate preemptively compensate for subsequent changes in an oxygen flow rate to the polymerization reactor that maintain a predetermined residence time and bring the MFI of the PE into the predetermined desired range for the MFI; and changing the oxygen flow rate to the polymerization reactor thereby maintaining both the predetermined residence time and bringing the MFI of the PE into the predetermined desired range for the MFI. The measuring and comparing steps are repeated to ensure the measured value of the MFI is within the predetermined desired range of the MFI at the predetermined residence time.

No. of Pages : 24 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917022028 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : COMPOSITIONS FOR THE TREATMENT OF HYPERTENSION

(51) International classification	:A61K31/41A61K31/549A61K31/4418
(31) Priority Document No	:15/352425
(32) Priority Date	:15/11/2016
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/IB2017/001524 :14/11/2017
(87) International Publication No	:WO 2018/091967
(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)THE UNIVERSITY OF SYDNEY
(72)**Name of Inventor :**
1)RODGERS, Anthony
2)CHOW, Clara

(57) Abstract :
Provided herein are pharmaceutical compositions that are useful for the treatment of hypertension comprising an angiotensin II receptor blocker, a diuretic, a calcium channel blocker, and a beta-blocker, wherein the dose of each component is below the lowest dose approved for the treatment of hypertension for the component.

No. of Pages : 52 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917022038 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : PROCESS FOR THE MANUFACTURE OF CARBOXYLIC ACIDS OR CARBOXYLIC ACID DERIVATIVES

(51) International classification :C07D231/14
(31) Priority Document No :16197609.7
(32) Priority Date :07/11/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/078259
Filing Date :06/11/2017
(87) International Publication No :WO 2018/083281
(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)JAUNZEMS, Janis

(57) Abstract :
This invention concerns a process for the manufacture of carboxylic acids or carboxylic acid derivatives and a process for the manufacture of agrochemically and pharmaceutically active compounds comprising the process for the manufacture of carboxylic acids or their derivatives. The process for the manufacture of carboxylic acids or carboxylic acid derivatives comprises the steps of: a) halogenating a compound of formula (I): R1-C(O)-CHX2, to obtain a compound of formula (II): R1-C(O)-CX2X, b) transforming the compound of formula (II) in the presence of a compound A into a compound of formula (III): R1C(O)Z, wherein Z is a residue selected from the group consisting of -OH, -O-, -NRR. The process can optionally comprise additional steps.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917022039 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SUBTILASE CYTOTOXIN B SUBUNIT MUTANT

(51) International classification :C07K14/245A61K38/48A61P35/00
(31) Priority Document No :2016904572
(32) Priority Date :09/11/2016
(33) Name of priority country :Australia
(86) International Application No :PCT/AU2017/051230
Filing Date :09/11/2017
(87) International Publication No :WO 2018/085888
(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)JENNINGS, Michael Paul
2)DAY, Christopher
3)PATON, Adrienne Webster
4)PATON, James Cleland

(57) Abstract :
A mutant subtilase cytotoxin B subunit protein is provided which can bind glycans having α2-3-linked N-glycolylneuraminic acid and glycans having α2-6-linked N-glycolylneuraminic acid. The mutant SubB protein has deletions of one or more of the amino acid sequence TTSTE and has a previously undescribed ability to bind glycans having α2-6-linked N-glycolylneuraminic acid, while not losing the ability to bind glycans having α2-3-linked N-glycolylneuraminic acid.

No. of Pages : 56 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022197 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : STAPLE FIRING MEMBER COMPRISING A MISSING CARTRIDGE AND/OR SPENT CARTRIDGE LOCKOUT

(51) International classification :A61B17/072A61B17/064
(31) Priority Document No :15/385904
(32) Priority Date :21/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2017/056668
Filing Date :26/10/2017
(87) International Publication No :WO 2018/115998
(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)BABER, Daniel L.
2)FANELLI, Nicholas
3)SHELTON, IV, Frederick E.
4)BAKOS, Gregory J.
5)HARRIS, Jason L.

(57) Abstract :
Surgical stapling instruments are disclosed comprising missing staple cartridge and/or spent cartridge lockouts. In various instances, such lockouts are positioned in a shaft of the surgical stapling instruments.

No. of Pages : 104 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022214 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ENZYMATIC PRODUCTION OF D-ALLULOSE

(51) International classification :C12N9/90C12P19/02C12P19/24
(31) Priority Document No :62/434033
(32) Priority Date :14/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/066298
Filing Date :14/12/2017
(87) International Publication No:WO 2018/112139
(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)WICHELECKI, Daniel, Joseph
2)ROGERS, Edwin, O.

(57) Abstract :
The current disclosure provides a process for enzymatically converting a saccharide into allulose. The invention also relates to a process for preparing allulose where the process involves converting fructose 6-phosphate (F6P) to allulose 6-phosphate (A6P), catalyzed by allulose 6-phosphate 3-epimerase (A6PE), and converting the A6P to allulose, catalyzed by allulose 6-phosphate phosphatase (A6PP).

No. of Pages : 25 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022215 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : IMPROVED METHOD AND DEVICE FOR USING DATABASES KEYED TO PHYSICAL ADDRESSES

(51) International classification :G06F17/30
(31) Priority Document No :15/369487
(32) Priority Date :05/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/063705
Filing Date :29/11/2017
(87) International Publication No :WO 2018/106493
(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)DENIS, David, R.

(57) Abstract :
A method for improving the targeting of communications with occupants of particular addresses by storing information in a database keyed on particular addresses and not related to the instant occupant of the address is disclosed. Further disclosed is a device which implements this method and automatically performs the method. An improved embodiment of the method and the implementing device with additional features enhancing the functionality of the method and device are also disclosed.

No. of Pages : 27 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022218 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CORROSION PROTECTION FOR AIR-COOLED CONDENSERS

(51) International classification :F28F27/00F28B11/00G06F17/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2016/068047
Filing Date :21/12/2016
(87) International Publication No :WO 2018/118045
(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)DALE, Trevor James
2)ROSSI, Anthony M.
3)TROSSBACH, Robert
4)ROBINSON, Gregory J.

(57) Abstract :
A method for establishing a corrosion protection system for an air cooled condenser is disclosed. The method includes receiving data associated with the physical properties and chemical process conditions of the air cooled condenser, utilizing a chemical process modeling component to simulate conditions of the air cooled condenser, and identifying an optimized corrosion protection system based on an evaluation of iteratively altered input variables.

No. of Pages : 25 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022219 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : GAS ANALYZING DEVICE AND GAS ANALYZING METHOD

(51) International classification :G01N1/22G01N1/00
(31) Priority Document No :2016-238143
(32) Priority Date :08/12/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/029279
Filing Date :14/08/2017
(87) International Publication No :WO 2018/105169
(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)YOSHIMURA, Tomoshi

(57) Abstract :
In order to ensure a separation ability required of an oxidation catalyst such as a non-methane cutter, and to enable a sample gas to be measured accurately, this gas analyzing device is provided with: a sample gas line L1 through which a sample gas flows; an analyzer 10 which is provided in the sample gas line L1 and which detects the concentration of a specific component contained in the sample gas; a catalyst 20 which is provided upstream of the analyzer 10 in the sample gas line L1 and which reacts with the sample gas; and a moisture concentration adjusting unit 30 which is provided upstream of the catalyst 20 in the sample gas line L1 to adjust the moisture concentration of the sample gas.

No. of Pages : 17 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019
(21) Application No.201917022222 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ELECTRONIC DEVICE AND CONTROL METHOD THEREOF

(51) International classification :G06F21/32G06F3/01G06F3/16
(31) Priority Document No :62/422684
(32) Priority Date :16/11/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/KR2017/013048
Filing Date :16/11/2017
(87) International Publication No :WO 2018/093183
(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)KANG, Hyuk
2)YOO, Jae-bong
3)HONG, Duk-ki
4)LIM, Kyung-soo

(57) Abstract :
An electronic device is disclosed. The electronic device identifies a user on the basis of: a biological signal input unit for receiving the input of a users biological signal detected through an electrode; a voice input unit for receiving the input of a voice signal; a biological signal inputted through the biological signal input unit; and a voice signal inputted through a microphone.

No. of Pages : 67 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917022040 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD FOR MAKING END COMPOUNDS FROM INTERNAL KETONES ISSUED FROM THE DECARBOXYLATIVE KETONIZATION OF FATTY ACIDS OR FATTY ACID DERIVATIVES

(51) International classification :C07C45/48C07C49/04
(31) Priority Document No :16306467.8
(32) Priority Date :08/11/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/078665
Filing Date :08/11/2017
(87) International Publication No :WO 2018/087181
(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)BACK, Olivier
2)LEROY, Rmy
3)MARION, Philippe

(57) Abstract :
Method (M) for the preparation of an end compound from an internal ketone, said method comprising: - synthesizing the internal ketone by a process (P) for the decarboxylative ketonization of a fatty acid, a fatty acid derivative or a mixture thereof in a liquid phase with a metal compound as catalyst in the substantial absence of added solvent, wherein the fatty acid, fatty acid derivative or mixture thereof is added in sequential steps, the first step taking place at a temperature sequentially at a temperature from 100°C to 270°C, - causing the internal ketone to react in accordance with a single or multiple chemical reaction scheme involving at least one reagent other than the internal ketone, wherein at least one product of the chemical reaction scheme is the end compound that is not further caused to be chemically converted into another compound.

No. of Pages : 73 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917022041 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : PROCESS FOR THE DECARBOXYLATIVE KETONIZATION OF FATTY ACIDS OR FATTY ACID DERIVATIVES

(51) International classification :C07C45/48C07C49/04
(31) Priority Document No :16306466.0
(32) Priority Date :08/11/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/078663
Filing Date :08/11/2017
(87) International Publication No :WO 2018/087179
(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)BACK, Olivier
2)LEROY, Rmy
3)MARION, Philippe

(57) Abstract :
Process (P) for the decarboxylative ketonization of fatty acids fatty acid derivatives or mixtures thereof in the liquid phase with metal compounds as catalyst wherein the fatty acids fatty acid derivatives or mixtures thereof are added sequentially. Downstream chemistry can be realized starting from internal ketonesobtained by process (P) especially in order to design and develop new surfactants.

No. of Pages : 71 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917022042 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CENTRIFUGAL CLUTCH

(51) International classification :F16D43/18
(31) Priority Document No :2016-216850
(32) Priority Date :07/11/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/034224
Filing Date :22/09/2017
(87) International Publication No :WO 2018/083908
(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)AONO Kaoru
2)YOKOMICHI Yuta
3)KINE Yuta
4)KATAOKA Makoto

(57) Abstract :
Provided is a centrifugal clutch in which tilting of a clutch weight can be prevented to prevent smooth swinging and uneven wear of a clutch shoe. A drive plate (210) swingably supports a clutch weight (230) and supports a protruding element (218) via a protruding element support pin (216). Formed in the clutch weight (230) are a first spring attachment part (231) and a second spring attachment part (234) to which two clutch springs (235) are attached, and a driven part (238) that comes into contact with the protruding element (218). The protruding element (218) and the driven part (238) are formed such that the protruding element range (TE), where the protruding element (218) and the driven part (238) come into contact, overlaps thickness-direction exertion positions (FP1, FP2) on the clutch weight (230) where the forces (F1, F2) of the clutch springs (235) are exerted on the clutch weight (230).

No. of Pages : 33 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917022044 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD AND APPARATUS FOR CONFIGURING CONTROL CHANNEL FOR NR IN WIRELESS COMMUNICATION SYSTEM

(51) International classification :H04L27/26H04L5/00H04W74/00
(31) Priority Document No :62/431366
(32) Priority Date :07/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/KR2017/014326
Filing Date :07/12/2017
(87) International Publication No :WO 2018/106043
(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)YI, Yunjung
2)HWANG, Daesung

(57) Abstract :
A method and apparatus for determining a control resource set for system information in a wireless communication system is provided. A user equipment (UE) receives a configuration of control resource set (CORESET) for remaining system information (RMSI) via a synchronization signal (SS) block from a network, and determines the control resource set for the RMSI according to the configuration. The SS block may include a physical broadcast channel (PBCH). A time and frequency location of a common search space (CSS) for the RMSI may be aligned with the SS block by at least one of time division multiplexing (TDM) or frequency division multiplexing (FDM).

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917022045 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SEROLOGIC TEST FOR THERAPY CONTROL OF HPV16 POSITIVE CARCINOMA

(51) International classification :G01N33/574C07K16/08C07K14/025
(31) Priority Document No :10 2016 124 171.7
(32) Priority Date :13/12/2016
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2017/082506
Filing Date :13/12/2017
(87) International Publication No :WO 2018/108957
(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 a method for therapy control of HPV16 positive carcino- ma, an antibody for use in the corresponding diagnostic method as well as a test for performing the method. In particular, the present invention relates to a serologic method for monitoring the development of the amount of antibodies in samples, which were taken from a patient before and after the treatment of a HPV16 positive carcinoma over a predetermined period of time. In addition, the invention provides an immunologic test in the form of a kit, with which the method according to the invention can be performed.

No. of Pages : 14 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022223 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : WIRELESS COMMUNICATION METHOD, TERMINAL DEVICE, AND NETWORK DEVICE

(51) International classification :H04W48/18H04W76/02
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2016/105436
Filing Date :11/11/2016
(87) International Publication No :WO 2018/086060
(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, Ning

(57) Abstract :
Disclosed in embodiments of the present invention are a wireless communication method, a network device, and a terminal device. The method comprises: a first device receives network slice information sent by a second device, the network slice information being used for indicating multiple network slices; the first device determines a target network slice among the multiple network slices, the target network slice comprising at least one network slice supported by the first device; and the first device performs wireless communication according to the target network slice. In the wireless communication method, the network device and the terminal device in the embodiments of the present invention, by learning about network slice information of a peer end, the condition of multiple network slices sent by the peer end can be learnt about; and accordingly, a target network slice can be better selected to perform wireless communication, so as to improve the quality of the wireless communication.

No. of Pages : 32 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019
(21) Application No.201917022226 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : COATING AGENT FOR RUBBER-COATED CYLINDER HEAD GASKETS, AND CYLINDER HEAD GASKET

(51) International classification :F02F11/00B32B15/06C09D7/40
(31) Priority Document No :2016-236475
(32) Priority Date :06/12/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/043338
Filing Date :01/12/2017
(87) International Publication No:WO 2018/105531
(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)WATANABE Tomokazu
2)KITAJIMA Nahoko
3)MORI Hideaki
4)NAKAJIMA You

(57) Abstract :
A coating agent for rubber-coated cylinder head gaskets, which is characterized in that: a lubricant and a urethane resin are contained therein; the lubricant is composed of uncalcined polytetrafluoroethylene resin particles having an average primary particle diameter of 1 μm or less; and the content of the uncalcined polytetrafluoroethylene resin particles in the solid contents is 30-80% by volume. Consequently, the present invention is able to provide: a coating agent for rubber-coated cylinder head gaskets, which is capable of forming a coating film that has excellent wear resistance at high contact pressure under high temperature conditions, and makes the adhesion of a rubber layer to the sealing surface of a cylinder block or a cylinder head less likely after use at high contact pressure under high temperature conditions; and a cylinder head gasket which is obtained using this coating agent for rubber-coated cylinder head gaskets.

No. of Pages : 21 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022233 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : MATRIX CONVERTER CONTROL METHOD AND SYSTEM

(51) International classification :H02M5/27H02M5/297H02M7/48
(31) Priority Document No :1620647.6
(32) Priority Date :05/12/2016
(33) Name of priority country :U.K.
(86) International Application No :PCT/IB2017/056588
Filing Date :24/10/2017
(87) International Publication No :WO 2018/104808
(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)SILVA JIM‰NEZ, Csar Armando
3)EMPRINGHAM, Lee
4)DE LILLO, Liliana Vittoria

(57) Abstract :
There is provided a method of generating a control strategy based on at least three switching states of a matrix converter. The at least three switching states are selected based on at least a predicted output current, associated with each switching state, and a desired output current. In particular, mathematical transformations of a desired output current as well as output currents associated with each of a plurality of switching states are used to identify appropriate switching states.

No. of Pages : 33 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022249 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : NOVEL MODULATORS OF THE 5-HYDROXYTRYPTAMINE RECEPTOR 7 AND THEIR METHOD OF USE

(51) International classification :C07D307/33C07D307/94
(31) Priority Document No :62/422344
(32) Priority Date :15/11/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/061677
Filing Date :15/11/2017
(87) International Publication No :WO 2018/093818
(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)CANNEY, Daniel J.
2)BLASS, Benjamin E.
3)BLATTNER, Kevin M.
4)PIPPIN, Douglas A.

(57) Abstract :
Pharmaceutical compositions of the invention comprise functionalized lactone derivatives having a disease-modifying action in the treatment of diseases associated with dysregulation of 5-hydroxytryptamine receptor 7 activity.

No. of Pages : 227 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022250 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : COMPOSITIONS AND METHODS FOR IDENTIFYING NUCLEIC ACID MOLECULES

(51) International classification :C12Q1/6869
(31) Priority Document No :15/372279
(32) Priority Date :07/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/064899
Filing Date :06/12/2017
(87) International Publication No :WO 2018/106798
(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)ZIMMERMANN, Bernhard
2)SWENERTON, Ryan
3)RABINOWITZ, Matthew
4)SIGURJONSSON, Styrmir
5)GEMELOS, George
6)GANGULY, Apratim
7)SETHI, Himanshu

(57) Abstract :
The present disclosure provides methods and compositions for sequencing nucleic acid molecules and identifying individual sample nucleic acid molecules using Molecular Index Tags (MITs). Furthermore, reaction mixtures, kits, and adapter libraries are provided.

No. of Pages : 91 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917022046 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : UPLINK TRANSMISSION BLANKING

(51) International classification :H04W88/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2017/070469
Filing Date :06/01/2017
(87) International Publication No :WO 2018/126447
(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)LEI, Haipeng
2)YU, Xiaodong
3)YAN, Zhi
4)LI, Hongchao

(57) Abstract :
Apparatuses, methods, and systems are disclosed for uplink transmission blanking. One apparatus (200) includes a receiver (212) that: receives (602) a first signal from a base unit, wherein the first signal is used for indicating scheduling information for a first uplink transmission; and receives (604) a third signal from the base unit. The third signal is used for determining a first one or more symbols of the first uplink transmission to be blanked. The apparatus (200) also includes a processor (202) that determines (606) the first one or more symbols of the first uplink transmission to be blanked based on the third signal. The apparatus (200) includes a transmitter (210) that transmits (608) the first uplink transmission to the base unit with the first one or more symbols blanked.

No. of Pages : 17 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917022047 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : FRATAXIN EXPRESSION CONSTRUCTS

(51) International classification :C12N15/86A61K48/00C07K14/47
(31) Priority Document No :62/419621
(32) Priority Date :09/11/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/060680
Filing Date :08/11/2017
(87) International Publication No :WO 2018/089527
(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)ROBINSON, Gregory
4)PYKETT, Mark
5)THORN, Richard
6)GRUIS, Kirsten

(57) Abstract :
The invention provides polynucleotides, vectors and viruses expressing frataxin and methods of treating Friedreichs Ataxia.

No. of Pages : 102 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917022048 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : IN-SITU CURING BIODEGRADABLE ANCHOR WITH REINFORCEMENT

(51) International classification :A61B17/00A61B17/56A61B17/58
(31) Priority Document No :62/418535
(32) Priority Date :07/11/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/060322
Filing Date :07/11/2017
(87) International Publication No :WO 2018/085807
(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)MCCARTHY, Michael, P.
3)TRAN, Minh-Tuan, Richard
4)FERREIRA, Rui, J.

(57) Abstract :
The present invention provides an anchor system for musculoskeletal applications, e.g., for anchoring tendons or ligaments to bone or anchoring two or more bone sections. The anchor system comprises a substantially solid pre-manufactured distal portion (i.e., anchor component) and a settable, biodegradable composite. The biodegradable composite is flowable at the time of delivery and is introduced into the fixation site before or after the anchor component. Both the anchor component and the biodegradable composite may be manufactured from citrate-based polymers.

No. of Pages : 15 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917022053 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : PARALLEL REACTOR SYSTEM FOR ETHYLBENZENE DEHYDROGENATION

(51) International classification :C07C5/333C07C15/46
(31) Priority Document No :62/436653
(32) Priority Date :20/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/065709
Filing Date :12/12/2017
(87) International Publication No :WO 2018/118505
(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)PELATI, Joseph, E.
2)CLARK, Jason

(57) Abstract :
A multi-stage dehydrogenation process including contacting, in a first stage, a feed stream comprising a hydrocarbon and steam with a dehydrogenation catalyst under dehydrogenation conditions to yield a first stage effluent, heating the first stage effluent, and contacting, in a second stage, the heated first stage effluent with a dehydrogenation catalyst under dehydrogenation conditions to yield a second stage effluent comprising a dehydrogenation product, wherein the first stage includes a first reactor and a second reactor arranged in parallel, and wherein the second stage includes a third reactor connected in series with the first reactor and the second reactor. A multi-stage dehydrogenation system for carrying out dehydrogenation is also provided.

No. of Pages : 33 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917022054 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A METHOD OF PREDICTING THE CRITICAL SOLVENT POWER OF A VISBROKEN RESIDUE STREAM OF INTEREST

(51) International classification :G01N33/28C10G75/00
(31) Priority Document No :62/428748
(32) Priority Date :01/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/063459
Filing Date :28/11/2017
(87) International Publication No :WO 2018/102301
(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)BALASHANMUGAM, Soban
2)RUEDA-VELASQUEZ, Rosa

(57) Abstract :
A method for predicting the critical solvent power of a visbroken residue stream of interest, CSPVisRes(OI) comprises predicting CSPVisRes(OI) from the critical percentage titrant of an atmospheric residue stream, CPTAR, the atmospheric residue stream being derived from the same crude oil as the visbroken residue stream of interest. A method for predicting the solvent power of a visbroken residue stream of interest, SPVisRes(OI), comprises predicting SPVisRes(OI) from the critical solvent power of the visbroken residue stream, CSPVisRes, and the critical percentage titrant of the visbroken residue stream, CPTVisRes. CPTVisRes is derived from the critical percentage cetane of the visbroken residue stream, CPCVisRes, which, in turn, is calculated from the P-value of the visbroken residue stream. The methods may be used to predict the stability of a fuel oil containing the visbroken residue.

No. of Pages : 30 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019
(21) Application No.201917022252 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DATA TRANSMISSION METHOD, SENDING DEVICE, RECEIVING DEVICE AND COMMUNICATION SYSTEM

(51) International classification :H03M13/11
(31) Priority Document No :201611117610.5
(32) Priority Date :07/12/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/114637
Filing Date :05/12/2017
(87) International Publication No :WO 2018/103638
(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, Chen
3)XIONG, Jie
4)ZENG, Xin
5)LIU, Xiaojian
6)WEI, Yuejun

(57) Abstract :
Disclosed are a data transmission method, sending device, receiving device and communication system. The sending device is used for sending a first transmission block, wherein the sending device acquires an encoded bit segment from a first encoded code block, the first encoded code block being obtained by means of performing, according to processing capacity of a receiving device, LDPC encoding on a first code block in the first transmission block; and the sending device sends the encoded bit segment to the receiving device. Since the processing capacity of the receiving device is taken into consideration, the storage overhead of the sending device or the receiving device can be reduced, and the complexity of encoding or decoding is reduced, thereby improving the success rate of decoding.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022253 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ERROR-RELATED INSTRUCTION PROCESSING METHOD, APPARATUS, AND SYSTEM

(51) International classification :H04L29/06H04W76/04
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2016/108095
Filing Date :30/11/2016
(87) International Publication No :WO 2018/098714
(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)YIN, Yu
2)QI, Caixia

(57) Abstract :
The present invention relates to the technical field of communications, and provides an error-related instruction processing method, apparatus, and system, used to solve the problem of abnormal service data packet transmission caused by inconsistent contexts between an access node and a user-plane network element in a next-generation mobile communication network. The method comprises: upon receiving an error-related instruction message sent by an access node and including a tunnel endpoint identifier (TEID) of the access node and an Internet Protocol (IP) address of the access node, a forwarding node sending to a first user-plane network element the error-related instruction message, wherein the error-related instruction message is used to instruct the first user-plane network element to send, upon receiving the error-related instruction message, an error notification message to a control-plane network element, and the control-plane network element processing, according to a predetermined processing policy, a context corresponding to the TEID and IP address of the access node or a context corresponding to a context identifier.

No. of Pages : 33 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022259 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SAND CORE MAKING MACHINE AND METHOD

(51) International classification :B22C1/16B22C9/12
(31) Priority Document No :16382625.8
(32) Priority Date :20/12/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/ES2017/070801
Filing Date :07/12/2017
(87) International Publication No :WO 2018/115548
(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)ORTIZ DE ELGUEA GASTIAIN, Alberto

(57) Abstract :
A sand core making machine comprises a core box (1), a blowing device for introducing a mixture of sand and an inorganic binder into the core box (1), and a hardening device (3) for introducing hot air under pressure into the core box (1), along a predetermined path, in order to harden the mixture. The hardening device (3) comprises at least one heating unit (3.1) in said path for heating the air under pressure before it reaches the core box (1). The machine (100) comprises a flowmeter (7) for measuring the air flow in the path and a flow regulator (6) for regulating the air flow, it being possible to act upon the regulator (6) depending on the reading of the flowmeter (7). Also disclosed is an associated sand core manufacturing method.

No. of Pages : 16 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022266 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : POST-TRANSCRIPTIONALLY CHEMICALLY MODIFIED DOUBLE STRAND RNAS

(51) International classification :C07F9/02C07H21/00C07H21/02
(31) Priority Document No :62/418581
(32) Priority Date :07/11/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/060110
Filing Date :06/11/2017
(87) International Publication No :WO 2018/085752
(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)CHEERLA, Sreevishnu
3)ARHANCET, Graciela, B.
4)ROZEMA, David, B.

(57) Abstract :
Described are post transcriptionally chemically modified double strand RNAs (MdsRNAs) having more than 30 base pairs. The MdsRNAs inhibit gene expression in target organisms. Also described are methods of making and using MdsRNAs.

No. of Pages : 73 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022267 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ENDOVENOUS TREATMENT DEVICE WITH FLEXIBLE GUIDEWIRE ELEMENT

(51) International classification :A61B18/24
(31) Priority Document No :1662137
(32) Priority Date :08/12/2016
(33) Name of priority country :France
(86) International Application No :PCT/EP2017/081833
Filing Date :07/12/2017
(87) International Publication No :WO 2018/104453
(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)ROCHON, Philippe

(57) Abstract :
The endovenous treatment device has a delivery system (1; 2) for delivering at least one treatment dose, which delivery system (1; 2) comprises a flexible wire element (1) for delivery of a treatment dose, for example a fibre optic, which has a distal end part (10) able to be inserted, over at least part of its length, longitudinally into a vein, and which allows at least one treatment dose to be delivered into a vein in the region of the end of said distal end part (10). It additionally comprises a drive system (4) by which the wire element (1) for dose delivery can be driven in at least a first given drive direction (R), and a guide (3) which is flexible along all or part of its length, and which allows the wire element (1) to be guided, over a portion of its length, with a proximal end part (11) and, opposite this, a distal end part (10) of the wire element (1), which are not guided by the guide (3). The device comprises a holding system (5) by which the distal end part (30) of the guide (3) can be temporarily held with respect to the body of a patient, near the insertion zone (7) of the wire element (1), and blocking means (6) which make it possible to axially block the proximal end part (31) of the guide (3), at least in the drive direction (R) of the wire element (1).

No. of Pages : 22 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022075 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SHEET ARRANGEMENT COMPRISING A COMPOSITE SHEET HAVING AN EXTENDED CAPACITIVE SWITCHING REGION

(51) International classification :H03K17/96
(31) Priority Document No :16197265.8
(32) Priority Date :04/11/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/077228
Filing Date :25/10/2017
(87) International Publication No :WO 2018/082977
(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)DROSTE, Stefan

(57) Abstract :
The invention relates to a sheet arrangement (101) comprising: a first sheet (1) and a second sheet (2), which are interconnected by means of at least one intermediate layer (3); an electro-optical functional element (4) comprising a first plate electrode (5), an electro-optical functional layer (6) and a second plate electrode (7), the functional element (4) being arranged between the first sheet (1) and the second sheet (2), and the first plate electrode (5) facing the first sheet (1) and the second plate electrode (7) facing the second sheet (2); a sensor electrode (8) arranged between the first plate electrode (5) and the first sheet (1), the sensor electrode (8) being capacitively coupled to the first plate electrode (5); and a capacitive electronic sensor system (20), which is electrically connected to the sensor electrode (8), the sensitivity of the electronic sensor system (20) being selected such that when the outer surface (IV) of the first sheet (1), above the first surface electrode (5), is touched by a human body part, such as a finger or a hand, or said human body part approaches the outer surface (IV) of the first sheet (1), above the first surface electrode (5), a switching signal is emitted.

No. of Pages : 27 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019
(21) Application No.201917022079 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD FOR CHARGING ELECTRONIC DEVICE, ELECTRONIC DEVICE, AND STORAGE MEDIUM

(51) International classification :G06F1/32H04M1/02H02J7/00
(31) Priority Document No :10-2016-0172032
(32) Priority Date :15/12/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2017/014859
Filing Date :15/12/2017
(87) International Publication No :WO 2018/111039
(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)CHOI, Dae-Han

(57) Abstract :
A method and apparatus for charging an electronic device and a storage medium are provided. The electronic device includes a rechargeable battery; a charging port; and at least one processor configured to: if a supply power amount of power supplied from an outside through the charging port is smaller than a use power amount of power used by the electronic device and a remaining amount of the battery is smaller than or equal to a reference value, switch the electronic device to a power-saving mode. Also, other embodiments may be implemented.

No. of Pages : 20 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022080 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : VIRTUAL REALITY EXPERIENCE SHARING

(51) International classification :G06Q50/10H04N21/81
(31) Priority Document No :62/442718
(32) Priority Date :05/01/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/KR2018/000279
Filing Date :05/01/2018
(87) International Publication No :WO 2018/128472
(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)DICKERSON, Andrew Joseph
2)BOUAZIZI, Imed
3)BUDAGAVI, Madhukar
4)LIM, Young-Kwon

(57) Abstract :
A UE includes a communication unit, a display, and a processor. The display configured to render a virtual reality video. The processor configured to generate metadata including information related to a trajectory of at least one viewport of the UE. The communication unit configured to transmit the metadata to share the trajectory of the at least one viewport.

No. of Pages : 18 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022081 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : AUDIO APPARATUS ADAPTABLE TO USER POSITION

(51) International classification :G06F3/01G06F3/16H04R3/00
(31) Priority Document No :15/350631
(32) Priority Date :14/11/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/KR2016/013430
Filing Date :21/11/2016
(87) International Publication No :WO 2018/088609
(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)PARK, Jee-hoon
2)LAW, David
3)VASQUEZ, Phillip
4)HAYES, Robin
5)CHOO, You-na

(57) Abstract :
An audio apparatus adaptable to a user position is provided. The audio apparatus may include a plurality of sub-modules placed at separate locations from one another, each sub-module of the plurality of sub-modules including a loudspeaker configured to generate sound and a communicator configured to perform communication. The first sub-module among the plurality of sub-modules may include a processor that processes an audio signal to be output as sound through the loudspeaker of the first sub-module, determines a users position with respect to each of the plurality of sub-modules, and changes a state of the sound being output from the loudspeaker of the first sub-module in accordance with the determined position of the user.

No. of Pages : 26 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022126 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHYLOCYSTIS AND USE THEREOF IN SELECTIVE RESOLUTION AND PREPARATION OF (S)-α-ETHYL-2-OXO-1-PYRROLIDINE ACETATE

(51) International classification :C12N1/20C12N11/14C12P17/10
(31) Priority Document No :201611106084.2
(32) Priority Date :05/12/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/102275
Filing Date :19/09/2017
(87) International Publication No :WO 2018/103409
(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)ZHANG, Likun
3)QIAN, Minfan
4)YAN, Yanbing
5)TAN, Weiping

(57) Abstract :
Disclosed are a methylocystis and the use thereof in the selective resolution and preparation of (S)-α-ethyl-2-oxo-1-pyrrolidine acetates. After cell immobilization of the enzyme-producing methylocystis, the methylocystis is applied to the biological resolution of a racemate (R,S)-α-ethyl-2-oxo-1-pyrrolidine ethyl acetate so as to prepare a highly optically pure (S)-α-ethyl-2-oxo-1-pyrrolidine ethyl acetate which is further put through a hydrolysis reaction to obtain a (S)-α-ethyl-2-oxo-1-pyrrolidine acetate. The highest conversion yield achieves more than 50.0%, the stereoselectivity is good, and the enantiomeric excess value e.e.s (%) of the (S)-α-ethyl-2-oxo-1-pyrrolidine ethyl acetate is not less than 99.5; the catalytic efficiency is high, the concentration of the racemic substrate in the resolution reaction can reach 500 g/L at most, the reaction time is no more than 15 hours, and the number of reuse times after cell immobilization is not less than 35 times, and it is simple for industrialized production. The downstream separation is simple, and it produces little environmental pollution.

No. of Pages : 24 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022269 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DISPLAY APPARATUS AND CONTROL METHOD THEREOF

(51) International classification :H04N13/04
(31) Priority Document No :10-2016-0155256
(32) Priority Date :21/11/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2017/012939
Filing Date :15/11/2017
(87) International Publication No :WO 2018/093143
(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)JEON, Han-byoul
2)KIM, Dae-wang
3)PARK, Jeong-hun
4)PARK, Han-sub
5)YUN, Jong-hee

(57) Abstract :
A display apparatus and a control method thereof are provided. The display apparatus includes a receiver, an image processor, a display and a controller. The receiver receives an image of content in the form image segments. The image processor processes the image of content received via the receiver. The display displays the processed image of content. The controller controls the image processor to display an image corresponding to one viewpoint of the image of content, and display information about a display quality of at least one image segment based on reception states of the image segments. With this, the display apparatus may provide the information about display quality for the at least one segment of the image of content, thereby allowing a user to watch the image of content while smoothly moving a viewpoint.

No. of Pages : 20 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022272 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CYLINDRICAL MONOPHASIC CAPACITOR FOR HIGH VOLTAGES

(51) International classification :H01G4/38H01G4/32
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/ES2016/070927
Filing Date :22/12/2016
(87) International Publication No :WO 2018/115539
(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)NU'EZ- BARRANCO PATI'O, Cesar

(57) Abstract :
The invention relates to a cylindrical capacitor for high voltages, which has a cylindrical geometry in a single piece, forming a cylinder that comprises four monophasic capacitors connected in series: a first capacitor (1.1) disposed in an outer circular ring of the upper part of the cylinder, a second capacitor (1.2) disposed in the outer circular ring in the lower part of the cylinder, a third capacitor (1.3) disposed in an inner ring of the lower part of the cylinder, and, lastly, a fourth capacitor (1.4) disposed in the inner ring of the upper part of the cylinder, all of these being connected in series, wherein the capacitors of the outer ring are separated from the capacitors of the inner ring by means of a sheet of insulating material (2) that projects at the top, while the lower part of said material is flush with the lower edge of the second and third capacitors (1.2, 1.3), which are joined by means of a conductive plating (3).

No. of Pages : 9 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022273 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : GLP-1/GLP-2 DUAL AGONISTS

(51) International classification :C07K14/605A61K38/26
(31) Priority Document No :PA201600756
(32) Priority Date :09/12/2016
(33) Name of priority country :Denmark
(86) International Application No :PCT/EP2017/082289
Filing Date :11/12/2017
(87) International Publication No :WO 2018/104560
(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)DUE LARSEN, Bjarne
2)GIEHM, Lise
3)EDWARDS, Alistair Vincent Gordon

(57) Abstract :
The invention relates to compounds having agonist activity at the GLP-1 (glucagon- like-peptide 1) and GLP-2 (glucagon-like peptide 2) receptors. The compounds find use, inter alia, in the prophylaxis or treatment of intestinal damage and dysfunction, regulation of body weight, and prophylaxis or treatment of metabolic dysfunction.

No. of Pages : 40 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022277 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : PREFABRICATED CONSTRUCTION MOLD PANEL

(51) International classification :E04G9/06E04G17/04
(31) Priority Document No :10-2016-0147611
(32) Priority Date :07/11/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2017/003682
Filing Date :04/04/2017
(87) International Publication No :WO 2018/084390
(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)LIM, Mi Ok

(57) Abstract :
The present invention relates to a prefabricated construction mold panel. According to the present invention, the prefabricated construction mold panel comprises: a main frame including a finishing panel for forming a finishing surface of a concrete curing space, first flange parts respectively protruding in the vertical direction from both sides of the rear surface of the finishing panel so as to form side surfaces, and a reinforcing rib protruding in the vertical direction from the center of the rear surface of the finishing panel so as to be arranged in parallel to the first flange part; second flange parts fixed to the upper and lower ends of the main frame; and a plurality of reinforcing bars arranged in the direction in which the reinforcing bars intersect with the first flange parts, and coupled by passing through the first flange parts and the reinforcing rib, wherein the reinforcing rib is detachably assembled to the rear surface of the main frame.

No. of Pages : 16 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022148 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : COMMUNICATION DEVICE AND METHOD FOR COMMUNICATION WITH A COUTERPART COMMUNICATION DEVICE

(51) International classification :H04L1/00H04L27/34H04L27/26
(31) Priority Document No :16 203 496.1
(32) Priority Date :12/12/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/082388
Filing Date :12/12/2017
(87) International Publication No :WO 2018/108886
(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)HANDTE, Thomas
2)CIOCHINA, Dana
3)LOGHIN, Nabil Sven

(57) Abstract :
A communication device and method are presented that support the use of both uniform and non-uniform constellations and provide a reasonable solution for signaling. Capability information is transmitted, said capability information indicating if non-uniform transmission constellations are supported by the mapping circuitry on the transmitter side and/or if non-uniform reception constellations are supported by the demapping circuitry on the receiver side.

No. of Pages : 31 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022149 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DISPOSABLE DIAPER

(51) International classification :A61F13/56A61F13/49
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2016/086939
Filing Date :12/12/2016
(87) International Publication No :WO 2018/109812
(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)ICHIMATA, Toshiaki
2)UEDA, Akiyuki

(57) Abstract :
A side panel (3) is joined to an outer layer composite sheet (22) and a skin-side sheet (20) disposed on the inner-surface side of the side panel (3) via a connecting adhesive layer. The connecting adhesive layer (62) joins the side panel (3) and the outer layer composite sheet (22) on the outside of the inner side edge (3c) of the side panel (3), and joins the outer layer composite sheet (22) and a surface sheet (21) on the inside of the inner side edge (3c) of the side panel (3), in the width direction of the disposable diaper. An outer-layer adhesive layer (61) has an intermittent portion (7) where no adhesive is disposed at a position overlapping the inner side edge (3c) of the side panel (3) in the thickness direction (Z) of the disposable diaper.

No. of Pages : 28 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022150 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : INTELLIGENT SYSTEMS AND METHODS FOR PROCESS AND ASSET HEALTH DIAGNOSIS, ANOMOLY DETECTION AND CONTROL IN WASTEWATER TREATMENT PLANTS OR DRINKING WATER PLANTS

(51) International classification :G01N33/18G06F17/30
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2017/105377
Filing Date :09/10/2017
(87) International Publication No :WO 2019/071384
(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)WANG, Yu
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7)TANG, Chuanyou
8)ZHU, Zhiping
9)MA, Wenchao
10)DONG, Qin
11)WANG, Sijing
12)LI, Yisong
13)LING, Jiajia

(57) Abstract :
Described herein are systems and methods of analyzing data acquired from a water plant, both historical and in real-time, making determinations about process and asset health diagnosis and anomaly detection using advanced techniques, and controlling the plant and/or providing alerts based on such determinations.

No. of Pages : 22 No. of Claims : 52

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022151 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD AND APPARATUS FOR INSTALLING AN ASSURANCE CAP ONTO A FLUID CONNECTOR USING OPTICAL AND INDUCTION SENSORS

(51) International classification :F16L37/088
(31) Priority Document No :62/432281
(32) Priority Date :09/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2017/057722
Filing Date :07/12/2017
(87) International Publication No :WO 2018/104901
(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)FREMONT, Bradley C.

(57) Abstract :
A fluid connector assembly comprises a tubular member (24), a fitting body (26) having a bore (40) for receiving the tubular member, a resilient clip (60) mounted on the body to lock the tubular member in the fitting body when the insertion end (22) of the tubular member is fully inserted into the bore in the housing, and an assurance cap (70) slidably mounted on the tubular member (24) to insure full insertion of the tubular member in the body. The assurance cap (70) defines a continuous annular body (72) with radially inward extending latch edges at an end of latch fingers configured for latching with an edge of a recessed latch groove formed in the fitting body (26) only when the tubular member is in the fully inserted position in the fitting body.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022152 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : PROCESSES FOR PURIFICATION, RECOVERY, AND CONVERSION OF CHLOROPHENOL SALTS AND PREPARATION AND RECOVERY OF PRODUCTS PREPARED THEREFROM

(51) International classification :C07C37/68C07C39/30
(31) Priority Document No :62/431205
(32) Priority Date :07/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/064424
Filing Date :04/12/2017
(87) International Publication No :WO 2018/106564
(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)DE KORT, Bruno
3)PARLOW, John, Joseph
4)STROMAN, Amy, E.
5)YANG, Junqiu

(57) Abstract :
The present invention generally relates to processes for purification, recovery, and conversion of chlorophenol salts (e.g., 2,5-dichlorophenol and salts thereof). In various aspects, the present invention is related to removing one or more impurities from chlorophenol salt-containing process streams and/or recovering chlorophenol salts from process streams for use of the recovered chlorophenol elsewhere in an integrated process. Process streams that may be treated in accordance with the present invention include those incorporating one or more chlorophenol salts in a feed mixture and also those where one or more chlorophenol salts are present in a product or by-product stream of an integrated process. For example, conversion processes of the present invention are suitable as one piece of an integrated process for producing 3,6-dichloro-2-methoxybenzoic acid (dicamba) or a salt or ester thereof or a process for producing 2,4-dichlorophenoxyacetic acid (2,4-D) or a salt or ester thereof. The present invention further relates to processes for preparation, purification, and recovery of intermediates formed in integrated processes utilizing chlorophenol salts such as 2,5-dichlorophenol as starting material, including the intermediate 3,6-dichlorosalicylic acid (3,6-DCSA) formed during preparation of dicamba from 2,5-dichlorophenol.

No. of Pages : 70 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019
(21) Application No.201917022280 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SYSTEMS AND METHODS FOR VEHICULAR POWER GENERATION

(51) International classification :B60L11/02B61C7/04B61C17/12
(31) Priority Document No :62/430697
(32) Priority Date :06/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/064212
Filing Date :01/12/2017
(87) International Publication No :WO 2018/106530
(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)SCOTT, David I.
2)SANTOS, Pedro T.

(57) Abstract :
A vehicle may include: a genset including: an engine configured to combust light fuel such as natural gas, a generator linked to the engine and configured to convert mechanical energy provided by the engine into electrical energy; one or more light fuel storage containers; one or more electrical storage devices such as batteries; a plurality of wheels; a plurality of electric motors configured to drive the plurality of wheels; a first power bus configured to electrically connect the generator of the genset, the one or more electrical storage devices, and the plurality of electric motors. Each of the one or more electrical storage devices may be disposed lower than each of the one or more light fuel storage containers with respect to a vertically extending reference axis that is perpendicular to a reference plane parallel to ground.

No. of Pages : 36 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022283 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD FOR DISTRIBUTING ORDERS

(51) International classification :G06Q30/00G06Q10/08
(31) Priority Document No :2016143436
(32) Priority Date :06/11/2016
(33) Name of priority country :Russia
(86) International Application No :PCT/RU2017/000818
Filing Date :03/11/2017
(87) International Publication No :WO 2018/084751
(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)REDKOKASHIN, Ilya Vladimirovich

(57) Abstract :
The invention relates to automatic methods for distributing orders between retail points, taking into consideration their location. In the claimed method orders are distributed automatically between retail points using a server on the basis of information received from users. Retail points are either chosen by users or are those which will have orders ready by the time the users arrive, for which purpose the location of retail points capable of fulfilling orders and the time required to prepare said orders are taken into consideration. The information received from users is in the form of information about choice of retail points and time of arrival at said points, or information predicting user travel, or information received from users about their future travel, wherein the predicted or received information about user travel includes: the location of the user, the travel path of the user, and the speed of travel of the user.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022290 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : POWER SUPPLY CIRCUIT, POWER SUPPLY DEVICE, AND CONTROL METHOD

(51) International classification :H02M7/00H02H9/00H05B37/02
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2017/103010
Filing Date :22/09/2017
(87) International Publication No :WO 2019/056320
(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)TIAN, Chen
2)ZHANG, Jialiang

(57) Abstract :
Provided are a power supply circuit (10), a power supply device, and a control method. The power supply circuit (10) comprises a primary rectification unit (11), a modulation unit (12), a transformer (13), a secondary rectification and filtering unit (14), a current feedback unit (15), and a control unit (16). A liquid-state electrolytic capacitor on a primary side is removed in the power supply circuit (10), so that the power supply circuit has a smaller size and is safer in use. In addition, the control unit (16) can determine the voltage type of an inputted alternating current, and can set a limited-current value in the current feedback unit (15) according to the voltage type of the alternating current, so that the power supply circuit (10) is more flexibly used.

No. of Pages : 41 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022296 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SPEAKER APPARATUS, ELECTRONIC APPARATUS CONNECTED THEREWITH, AND CONTROLLING METHOD THEREOF

(51) International classification :H04B5/00H04R3/00
(31) Priority Document No :10-2016-0147464
(32) Priority Date :07/11/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2017/011792
Filing Date :24/10/2017
(87) International Publication No :WO 2018/084483
(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)MIN, Kyoung Bo

(57) Abstract :
A speaker apparatus includes a first wireless communicator connected with a first source apparatus to receive a first audio signal from the first source apparatus or connected with an external speaker apparatus to transmit the first audio signal to the external speaker apparatus; a second wireless communicator configured to be connected with a second source apparatus to receive a second audio signal from the second source apparatus; and a controller configured to control the first wireless communicator and the second wireless communicator. The controller controls the first wireless communicator to switch from a reception mode to a transmission mode to transmit the second audio signal to the external speaker apparatus in response to the second wireless communicator being connected with the second source apparatus.

No. of Pages : 19 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022303 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : PISTON CROWN

(51) International classification :F02B23/06F02F3/26F02F3/28
(31) Priority Document No :1620510.6
(32) Priority Date :02/12/2016
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2017/080572
Filing Date :27/11/2017
(87) International Publication No :WO 2018/099875
(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)PAGE, Vivian
2)GOVINDARAJAN, Rukmangadhan

(57) Abstract :
The disclosure provides a piston crown for a piston mountable in a combustion cylinder of an internal combustion engine. The piston crown includes a top annular surface. Radially inside the top annular surface is a piston bowl for guiding fuel injected into the combustion cylinder. The piston bowl includes a frusto-conical lip chamfer surface at a throat of the piston bowl next to the annular surface. In diametric cross-section the lip chamfer surface has a radius of at least 30 mm, preferably 30 mm.

No. of Pages : 11 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022304 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : UPLINK INFORMATION PROCESSING METHOD AND DEVICE

(51) International classification :H04W72/04H04W72/12
(31) Priority Document No :201611118291.X
(32) Priority Date :07/12/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/115035
Filing Date :07/12/2017
(87) International Publication No :WO 2018/103702
(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)LI, Yuan
2)GUAN, Lei

(57) Abstract :
Disclosed by the embodiments of the present invention are an uplink information processing method and a device, the method comprising: a terminal device receiving first control information sent by a base station device at a first downlink transmission time interval; the terminal device determining a time domain resource according to the first control information, the time domain resource comprising at least one uplink transmission time interval, a starting time unit of the time domain resource being later than the first downlink transmission time interval, and the starting time unit being a first uplink transmission time interval in the at least one uplink transmission interval; the terminal device sending data information on an uplink data channel, the uplink data channel corresponding to the at least one uplink transmission time interval in the time domain resource. Using the embodiments of the present invention has the advantages of being able to increase the utilization rate of a time domain resource and improving processing efficiency of uplink information.

No. of Pages : 62 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022306 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD FOR PURIFYING RECLAIMED POLYPROPYLENE

(51) International classification :C08J11/08C08L23/12
(31) Priority Document No :62/436471
(32) Priority Date :20/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/066078
Filing Date :13/12/2017
(87) International Publication No :WO 2018/118575
(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)COLLIAS, Dimitris, Ioannis
3)SCHONEMANN, Hans
4)WILLIAMS, Kara

(57) Abstract :
A method for purifying a reclaimed polypropylene is provided. The method involves obtaining reclaimed polypropylene, contacting it with a first fluid solvent to produce an extracted reclaimed polypropylene then dissolving the extracted reclaimed polypropylene in a solvent to produce a first solution comprising polypropylene and suspended contaminants. The first solution is settled to produce a second solution comprising polypropylene and remaining contaminants. The second solution is purified by contacting the second solution with solid media to produce a third solution comprising purer polypropylene. Finally, the purer polypropylene is separated from the third solution.

No. of Pages : 36 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022309 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DEVICE AND METHOD FOR CONTROLLING THE THROUGHFLOW OF BLOW-MOLDING FLUID DURING THE BLOW MOLDING OF CONTAINERS

(51) International classification :B29C49/78B29C49/06B29C49/12
(31) Priority Document No :10 2016 013 635.9
(32) Priority Date :16/11/2016
(33) Name of priority country :Germany
(86) International Application No :PCT/DE2017/000366
Filing Date :06/11/2017
(87) International Publication No :WO 2018/091006
(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)BUSCH, Christian
2)MEYER, Heinz-Herrmann
3)PAULUS, Theo
4)PETITJEAN, Francis

(57) Abstract :
The invention relates to a device and a method for controlling the throughflow of blow-molding fluid during the blow molding of containers. It is the intention to provide a control device and a control method which permit a controlled or defined growth and a defined propagation of the container bubble formed by the expanding preform in the pre-blowing phase of the blow molding process without the specification of a specific setpoint value profile or of a setpoint value curve. The object is achieved by means of a control device (1) and a control method having a proportional valve (2) with a variable throughflow cross section, having an actuator for the operation of the proportional valve (2), having a means for detecting the position of the actuator, and having sensor means for detecting the valve inlet and valve outlet pressure, wherein a time (t3) for the attainment of the yield point for the preform, a container volume and a time period for the attainment of the container volume are predefinable, and, by means of a digital controller (25), during the pre-blowing phase, from the attainment of the yield point until the run duration, a calculation of control values for the operation of the actuator in order to attain the predefined container volume within the predefined time period is performed in automated cyclic fashion, and the actuator is operated in accordance with the calculated control values, wherein, in each calculation cycle, the calculation of the respectively next control value is performed taking into consideration the container volume attained prior to the respective calculation cycle and calculated on the basis of the previous actuator positions and the previous pressure profile.

No. of Pages : 34 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022310 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD FOR PURIFYING RECLAIMED POLYETHYLENE

(51) International classification :C08J11/08C08L23/06C08L23/08
(31) Priority Document No :62/436475
(32) Priority Date :20/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/066082
Filing Date :13/12/2017
(87) International Publication No :WO 2018/118578
(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)COLLIAS, Dimitris, Ioannis
3)SCHONEMANN, Hans
4)WILLIAMS, Kara

(57) Abstract :
A method for purifying a reclaimed polyethylene is provided. The method involves obtaining reclaimed polyethylene, contacting it with a first fluid solvent to produce an extracted reclaimed polyethylene then dissolving the extracted reclaimed polyethylene in a solvent to produce a first solution comprising polyethylene and suspended contaminants. The first solution is settled to produce a second solution comprising polyethylene and remaining contaminants. The second solution is purified by contacting the second solution with solid media to produce a third solution comprising purer polyethylene. Finally, the purer polyethylene is separated from the third solution.

No. of Pages : 23 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022312 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD FOR PURIFYING RECLAIMED POLYMERS

(51) International classification :C08J11/08
(31) Priority Document No :62/436480
(32) Priority Date :20/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/066085
Filing Date :13/12/2017
(87) International Publication No :WO 2018/118579
(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)COLLIAS, Dimitris, Ioannis
3)SCHONEMANN, Hans
4)WILLIAMS, Kara

(57) Abstract :
A method for purifying a reclaimed polymer is provided. The method involves obtaining reclaimed polymer, contacting it with a first fluid solvent to produce an extracted reclaimed polymer then dissolving the extracted reclaimed polymer in a solvent to produce a first solution comprising polymer and suspended contaminants. The first solution is settled to produce a second solution comprising polymer and remaining contaminants. The second solution is purified by contacting the second solution with solid media to produce a third solution comprising purer polymer. Finally, the purer polymer is separated from the third solution.

No. of Pages : 50 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022313 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : TELEPRESENCE SYSTEM

(51) International classification :H04N7/15H04N5/232
(31) Priority Document No :15/352783
(32) Priority Date :16/11/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2017/051363
Filing Date :15/11/2017
(87) International Publication No :WO 2018/090134
(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)TULI, Raja

(57) Abstract :
A system for telepresencing is provided with a user station at a remote users location and a telepresence device at a local subjects location. Distance of objects around the local subject is sensed such that a selected distance between the telepresence device and the local subject is maintained. Eye features and gazes of the local subject and the remote user are sensed. The height of the telepresence devices display is adjusted automatically such that the eye level of the local subject matches with the eye level of the users image in the display. When an intended eye contact is sensed, positions of the telepresence device, its display and a sensor hub that houses cameras and other sensors are adjusted, and a face image may be recreated at a different viewing angle to resemble an eye contact between the local subject and the remote user while preserving all other facial expressions.

No. of Pages : 17 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022315 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : MOUNTING STRUCTURE FOR MODULE IN ELECTRONIC DEVICE

(51) International classification :H04M1/02
(31) Priority Document No :10-2016-0164694
(32) Priority Date :05/12/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2017/008125
Filing Date :27/07/2017
(87) International Publication No :WO 2018/105846
(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)KANG, Han Vit
4)KIM, Jun Young
5)KIM, Moon Kyeong
6)KIM, Sang Seob
7)PARK, Jung Sik
8)JUNG, Hee Seok
9)CHO, Sung
10)SHIN, Heung Sik
11)OH, Ji Woong

(57) Abstract :
An electronic device is provided. The electronic device includes a display including a display area and a connecting area extending from one side of the display area, a flexible printed circuit board (FPCB) connected with the connecting area, and a first module mounted on a first surface of the FPCB, where the connecting area is bent such that the first module is apart from the display to face the display.

No. of Pages : 29 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022318 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CORRECTION METHOD FOR MAGNETIC RESONANCE T1-MAPPING OF VISCERAL ORGANS IN THE PRESENCE OF ELEVATED IRON AND ELEVATED FAT LEVELS, AND IN THE PRESENCE OF OFF-RESONANCE FREQUENCIES

(51) International classification :G01R33/50A61B5/055G01R33/561
(31) Priority Document No :1618750.2
(32) Priority Date :07/11/2016
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2017/053344
Filing Date :07/11/2017
(87) International Publication No :WO 2018/083504
(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)MOZES, Ferenc

(57) Abstract :
The present disclosure generally relates to medical imaging and, more particularly, relates to systems, apparatus and methods for performing processing of relaxation data obtained by magnetic resonance (MR) T1-mapping of the liver or other visceral organs in the presence of elevated iron and elevated fat levels, and in the presence of off-resonance frequencies in the MR system. The processing results in corrected values of T1 relaxation times of extracellular liquid of the mapped visceral organ that would have been measured if iron content had been at normal levels, if there had been zero fat in the mapped visceral organ and/or there had been zero off-resonance frequencies in the MR system.

No. of Pages : 50 No. of Claims : 50

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022322 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD FOR SEPARATING AND PURIFYING POLYMERS FROM RECLAIMED PRODUCT

(51) International classification :C08J11/08
(31) Priority Document No :62/436510
(32) Priority Date :20/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/066090
Filing Date :13/12/2017
(87) International Publication No :WO 2018/118580
(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)COLLIAS, Dimitris, Ioannis
3)SCHONEMANN, Hans
4)WILLIAMS, Kara

(57) Abstract :
A method for separating and purifying polymers of a reclaimed product (rP) is disclosed. The rP is contacted at an elevated temperature and pressure, with an extraction solvent to produce an extracted rP (erP). A solvent, at conditions sufficient to solubilize the first polymer, contacts the erP to produce a solution, which is purified at an elevated temperature and pressure by contacting it with a solid medium to produce a purified solution of the first polymer. The purified polymer is then separated from the purified solution, and the method steps are repeated until all polymers are separated and purified.

No. of Pages : 61 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022323 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHODS OF TREATING UPPER TRACT UROTHELIAL CARCINOMAS

(51) International classification :A61K9/127A61M25/00A61P35/00
(31) Priority Document No :62/421055
(32) Priority Date :11/11/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/061047
Filing Date :10/11/2017
(87) International Publication No :WO 2018/089759
(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)VENKATESAN, Natarajan
3)OEFELEIN, Michael, G.

(57) Abstract :
The invention relates to methods for locally delivering a chemotherapeutic agent to an upper tract urothelial carcinoma (UTUC). The methods involve placing a balloon catheter that has a working channel and a balloon into the ureter/renal pelvis via retrograde or antegrade ureteral access; inflating the catheter balloon to temporarily obstruct the ureter; infusing (instilling) a liposomal formulation that includes a chemotherapeutic agent into the working channel of the catheter; and allowing the infused liposomal formulation to dwell in the ureter and/or renal pelvis for a time sufficient to allow at least a portion of the liposomal formulation to adhere to the urothelial wall. In the methods of the invention, at least a portion of the infused chemotherapeutic-agent formulation adheres to the urothelial wall while it is instilled and dwells in the ureter and/or renal pelvis. The disclosed methods can be performed as an adjuvant therapy to other methods of treating UTUC, such as ureteroscopic ablation or resection of the tumor.

No. of Pages : 13 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022328 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD FOR PREPARING NANODIAMOND-CONTAINING THERMOPLASTIC FIBERS AND THE USE OF SUCH FIBERS IN YARNS AND FABRICS

(51) International classification :D01F1/10B82Y30/00C01B32/25
(31) Priority Document No :15/363913
(32) Priority Date :29/11/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/063386
Filing Date :28/11/2017
(87) International Publication No :WO 2018/102285
(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)AGARWAL, Dhruv
2)WANG, Yongxin

(57) Abstract :
The present disclosure relates to methods for preparing nanodiamond-containing thermoplastic fibers and filaments having diamond particles substantially uniformly distributed throughout. The process comprises melt extruding a material comprising a thermoplastic polymer and from about 0.001% to about 0.25% by weight nanosized diamond particles. The present disclosure also relates to yarns and fabrics comprising the nanodiamond-containing thermoplastic fibers or filaments, and to garments comprising these yarns and/or fabrics. Yarns and fabrics comprising nanodiamond-containing thermoplastic fibers and filaments have been found to have enhanced thermal properties, enhanced mechanical properties, and/or enhanced softness.

No. of Pages : 26 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022332 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : PLANAR MAGNETIC SEPARATOR

(51) International classification :B03C1/12B03C1/06
(31) Priority Document No :2016905260
(32) Priority Date :20/12/2016
(33) Name of priority country :Australia
(86) International Application No :PCT/AU2017/051306
Filing Date :28/11/2017
(87) International Publication No :WO 2018/112509
(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)KELSEY, Christopher George

(57) Abstract :
A separator for extracting magnetic material from an airstream of magnetic material and non-magnetic material includes a planar chamber with an inlet port, outlet port and a waste port, and a series of magnets in a plane parallel to the chamber. The magnets rotate about a common axis thereby drawing magnetic material around the chamber and towards the outlet port whilst non-magnetic material is remains in the airstream and is discharged by the waste port.

No. of Pages : 9 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022333 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : TOILET SEAT SANITIZING MACHINE FOR TRANSPORTATION VEHICLES

(51) International classification :A47K13/30E04H1/12
(31) Priority Document No :102016000132625
(32) Priority Date :30/12/2016
(33) Name of priority country :Italy
(86) International Application No :PCT/IT2017/000300
Filing Date :29/12/2017
(87) International Publication No :WO 2018/122884
(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)CASI, Nicola

(57) Abstract :
The invention is directed towards the technology of W.C. equipment on board transport vehicles to improve toilet seat hygiene. This is a machine installed in a specific technical room and behind the wall against which the toilet is installed in the bathroom in any kind of vehicle, separated by a shutter panel that opens by a pneumatic piston for the passage of the seat grouping to the machine itself. The machine is composed of a parallelepiped supporting frame to which an air-tight lid is connected which is fitted with one or more holes for visual observation of the process. On the underside of the parallelepiped structure a liquid collection tank is attached, and on top two guides to which a carriage is connected to a sliding support bracket supplied with wheels and run by an electric motor. Two brushes operate on the toilet seat, one with a vertical motion run by a pneumatic piston which also functions as a diffusor for the cleaning liquid, and the other with a circular motion operated by a motor which acts as the deep cleaner. Three jets of water with sanitizer, coming from three nozzles which are located in the inclined wall of the tank underneath, are sprayed to the underside of the seat further cleaning the underside of the seat. In the end, a nozzle sprays compressed air and dries the seat. The shutter panel opens again allowing the seat grouping to be repositioned on the toilet bowl, and then closes again at which point the bathroom becomes usable again. The following are also included for the construction of the machine: a refuse collection tank, a water tank with relative pump, an apparatus that doses sanitizer, and an electronic central control unit that controls the electric motors, pneumatic pistons, the solenoid valves, the sensors and any other component that is necessary.

No. of Pages : 7 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/04/2019

(21) Application No.201917015141 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CATHETER DEVICE FOR DELIVERING MECHANICAL WAVES

(51) International classification	:A61M25/00A61B17/00A61M25/098
(31) Priority Document No	:62/413032
(32) Priority Date	:26/10/2016
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/IB2017/056675 :26/10/2017
(87) International Publication No	:WO 2018/078568
(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)RIEL, Louis-Philippe
3)DION, Steven
4)ARLESS, Dustin
5)B‰RUB‰, Simon
6)LACASSE, Philippe

(57) Abstract :
A catheter device comprising: an internal elongated and hollow body extending between a proximal end and a distal end along a longitudinal axis the internal elongated and hollow body defining a longitudinal aperture that extends between the proximal and distal ends thereof the longitudinal aperture being shaped and sized for receiving a guide wire therein; and at least one mechanical waveguide secured to the internal elongated and hollow body and extending longitudinally along at least a portion of the internal elongated and hollow body the at least one mechanical waveguide for propagating at least one mechanical wave therealong.

No. of Pages : 43 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/04/2019

(21) Application No.201917015142 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ORAL DELIVERY VEHICLE

(51) International classification :A61K9/00A61K9/20A61K47/26
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/DK2016/050377
Filing Date :18/11/2016
(87) International Publication No:WO 2018/091048
(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)WITTORFF, Helle
2)BRUUN, Heidi Ziegler
3)BOESEN, Dorthe Schackinger

(57) Abstract :
The invention relates an oral delivery vehicle tablet the delivery vehicle tablet being formed by compression of a plurality of particles the oral delivery vehicle tablet comprising sugar alcohol(s) in an amount of 40 to 100% by weight of the delivery vehicle tablet wherein at least 10% by weight of the delivery vehicle tablet comprises a plurality of particles consisting of erythritol and wherein the delivery vehicle tablet comprises a plurality of further sugar alcohol particles in an amount of at least 10% by weight of the delivery vehicle tablet wherein said further sugar alcohol particles comprise at least one sugar alcohol and wherein said further sugar alcohols particles havea composition which is different from said particles consisting of erythritol.

No. of Pages : 37 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/04/2019

(21) Application No.201918014884 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ACTUATION AND VALVE MECHANISM

(51) International classification :F16K 31/44
(31) Priority Document No :2011901214
(32) Priority Date :01/04/2011
(33) Name of priority country :Australia
(86) International Application No :PCT/AU2012/000328
Filing Date :30/03/2012
(87) International Publication No :WO/2012/129609
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :9102/DELNP/2013
Filed on :22/10/2013

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(72)**Name of Inventor :**
1)AUGHTON, DAVID, JOHN

(57) Abstract :
The invention provides a cable drive device (10) including a linear drive member (12), and a cable drum (14) attached to a support bracket (30, 32) adapted to be affixed to a surface. The cable drum (14) has an axle (26) supported by the support bracket (30, 32) to allow rotation of the cable drum (14). The cable drum (14) has a cable (42) affixed at either end of said linear drive member (12) and tautly wrapped around the cable drum (14). The cable drum (14) is located between the ends of the linear drive member (12) to, in use, allow the linear drive member (12) to e guided through the bracket (30, 32) to move the linear drive member (12) longitudinally when the axle (26) is rotated.

No. of Pages : 54 No. of Claims : 48

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/04/2019

(21) Application No.201918014927 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CELL-REACTIVE, LONG-ACTING, OR TARGETED COMPSTATIN ANALOGS AND USES THEREOF

(51) International classification :C07K 7/00
(31) Priority Document No :61/484,836
(32) Priority Date :11/05/2011
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2012/037648
Filing Date :11/05/2012
(87) International Publication No :WO/2012/155107
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :10061/DELNP/2013
Filed on :22/11/2013

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(72)**Name of Inventor :**
1)FRANCOIS, Cedric
2)DESCHATELETS, Pascal

(57) Abstract :
In some aspects, thepresent invention provides cell-reactive compstatin analogs and compositions comprising cell-reactive compstatin analogs. In some aspects, theinvention further provides methods of using cell-reactive compstatin analogs, e.g., to inhibit complement-mediated damage to a cell, tissue, or organ. In some aspects, the invention provides long-acting compstatin analogs and compositions comprising long-acting compstatin analogs. In some aspects, the invention further provides methods of using long- acting compstatin analogs, e.g., to inhibit complement-mediated damage to a cell, tissue, or organ. In some aspects, the invention provides targeted compstatin analogs and compositions comprising targeted compstatin analogs. In some aspects, the invention further provides methods of using targeted compstatin analogs, e.g., to inhibit complement-mediated damage to a cell, tissue, or organ.

No. of Pages : 162 No. of Claims : 55

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/04/2019

(21) Application No.201918015090 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : COLOR FLAT PANEL DISPLAY SUB-PIXEL ARRANGEMENTS AND LAYOUTS FOR SUB-PIXEL RENDERING WITH INCREASED MODULATION TRANSFER FUNCTION

(51) International classification :G02F 1/1335
(31) Priority Document No :60/346,738
(32) Priority Date :07/01/2002
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2002/039864
Filing Date :13/12/2002
(87) International Publication No :WO/2003/060870
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :4569/DELNP/2005
Filed on :07/10/2005

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1)BROWN ELLIOTT, Candice, Hellen
2)CREDELLE, Thomas, Lloyd
3)HIGGINS, Michael, Francis

(57) Abstract :
Various embodiment of a sub-pixel octal grouping are disclosed. The octal grouping (120) may comprise three-color sub-pixels with one colored sub-pixel (106) comprising twice the number of positions within the octal sub-pixel grouping as the other two colored sub-pixels (102, 104). Various embodiments for performing sub-pixel rendering on the sub-pixel groupings are disclosed.

No. of Pages : 46 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/04/2019

(21) Application No.201918015267 A
(43) Publication Date : 19/07/2019

(54) Title of the invention :MULTI-VIEW CARGO SCANNER€ •

(51) International classification :H01J 35/08
(31) Priority Document No :61/296,080
(32) Priority Date :19/01/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/021758
Filing Date :19/01/2011
(87) International Publication No :WO/2011/091070
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :6341/DELNP/2012
Filed on :18/07/2012

(71)**Name of Applicant :**
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1)BENDAHAN, Joseph

(57) Abstract :
The present invention provides a multi-view X-ray inspection system. In one embodiment, a beam steering mechanism directs the electron beam from an X-ray source to multiple production targets which generate X-rays for scanning which are subsequently detected by a plurality of detectors to produce multiple image slices (views). The system is adapted for use in CT systems. In one embodiment of a CT system, the X-ray source and detectors rotate around the object covering an angle sufficient for reconstructing a CT image and then reverse to rotate around the object in the opposite direction. The inspection system, in any configuration, can be deployed inside a vehicle for use as a mobile detection system.

No. of Pages : 28 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/05/2019

(21) Application No.201918017692 A
(43) Publication Date : 19/07/2019

(54) Title of the invention :MOLTEN METAL LEAKAGE CONFINEMENT AND THERMAL OPTIMIZATION IN VESSELS USED FOR CONTAINING MOLTEN METALS€ •

(51) International classification :B22D 41/02
(31) Priority Document No :61/342,841
(32) Priority Date :19/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2011/000393
Filing Date :13/04/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :8262/DELNP/2012
Filed on :21/09/2012

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(72)**Name of Inventor :**
1)REEVES, Eric W.
2)BOORMAN, James
3)WAGSTAFF, Robert Bruce
4)WOMACK, Randal Guy

(57) Abstract :
Exemplary embodiments of the invention relate to a vessel used for containing molten metal, e.g. a trough section for conveying molten metal from one location to another. The vessel has a refractory liner made of at least two refractory liner units positioned end to end, with a joint between the units, the units each having an exterior surface and a metal-contacting interior surface. A housing at least partially surrounds the exterior surfaces of the refractory liner units with a gap present between the exterior surfaces and the housing. Molten metal confinement elements, impenetrable by molten metal, are positioned on opposite sides of the joint within the gap, at least below a horizontal level corresponding to a predetermined maximum working height of molten metal held within the vessel in use, to partition the gap into a molten metal confinement region between the elements and at least one other region that may be used to hold equipment such as electrical heaters that may be damaged by contact with molten metal. Another embodiment employs refractory liner units of different thermal conductivity to maximize heat penetration into the molten metal from heaters in the gap, but to minimize heat loss at the inlet and outlet of the vessel where the end units contact the housing.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/05/2019

(21) Application No.201918017729 A
(43) Publication Date : 19/07/2019

(54) Title of the invention :MULTI POWER SOURCED ELECTRIC VEHICLE€ •

(51) International classification :H02J 7/00
(31) Priority Document No :555128
(32) Priority Date :10/05/2007
(33) Name of priority country :New Zealand
(86) International Application No :PCT/NZ2008/000103
Filing Date :09/05/2008
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :7552/DELNP/2009
Filed on :20/11/2009

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(72)**Name of Inventor :**
1)JOHN TALBOT BOYS
2)GRANT ANTHONY COVIC

(57) Abstract :
An inductive power transfer (IPT) pad and system for the charging of electric and hybid electric vehicles. The batter of such a vehicle can be selectively coupled to a high power electrical supply for fast charging or a lower power electrical supply for charging using IPT. The batteries of the vehicles are used in a system to control the load demand in an electricity network through variations of the frequency of power supplied.

No. of Pages : 31 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/05/2019

(21) Application No.201918017771 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : BUTTIAUXELLA SP. PHYTASE VARIANTS

(51) International classification :C12N 9/16
(31) Priority Document No :61/046,324
(32) Priority Date :18/04/2008
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2009/041011
Filing Date :17/04/2009
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :6840/DELNP/2010
Filed on :17/04/2009

(71)**Name of Applicant :**
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1)KENSCH, Oliver
2)SCHULZE PELLENGAHR, Klaus
3)LEUTHNER, Birgitta
4)SHETTY, Jayarama
5)PEPSIN, Michael
6)DALSGAARD, Soren
7)FAURSCHOU ISAKSEN, Mai

(57) Abstract :
Provided herein are variants of Buttiauxella sp. phytases that may be used in industrial applications including methods for starch liquefaction, alcohol fermentations and for enhancing phosphate digestion in foods and animal feeds.

No. of Pages : 104 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/05/2019

(21) Application No.201917018123 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : REFERENCE SIGNAL MEASUREMENT METHOD AND APPARATUS

(51) International classification :H04W24/10
(31) Priority Document No :201610978479.5
(32) Priority Date :04/11/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/109379
Filing Date :03/11/2017
(87) International Publication No :WO 2018/082666
(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)LI, Xueru
2)LIU, Kunpeng
3)QU, Bingyu

(57) Abstract :
Disclosed is a channel measurement method, comprising: a base station sends first control information to a user equipment (UE), the first control information being used for indicating a measurement reference signal of the UE on one carrier, wherein the first control information comprises at least one first measurement configuration set and is used for instructing the UE to measure the measurement reference signal according to the at least one first measurement configuration set; the base station sends the measurement reference signal to the UE; the base station sends second control information to the UE, wherein the second control information comprises at least one second measurement configuration set and is used for instructing the UE to report a measurement result according to the at least one second measurement configuration set and the measurement reference signal, wherein the at least one second measurement configuration set is different from one first measurement configuration set.

No. of Pages : 41 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201918022061 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : HIGH-CARBON BIOGENIC REAGENTS AND USES THEREOF

(51) International classification :C09K 3/00
(31) Priority Document No :61/475,949
(32) Priority Date :15/04/2011
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2012/033624
Filing Date :13/04/2012
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :8965/DELNP/2013
Filed on :15/10/2013

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(72)**Name of Inventor :**
1)MENNELL, James, A.
2)DESPEN, Daniel, J.
3)FILIPS, Steve

(57) Abstract :
This invention provides processes and systems for converting biomass into high-carbon biogenic reagents that are suitable for a variety of commercial applications. Some embodiments employ pyrolysis in the presence of an inert gas to generate hot pyrolyzed solids, condensable vapors, and non-condensable gases, followed by separation of vapors and gases, and cooling of the hot pyrolyzed solids in the presence of the inert gas. Additives may be introduced during processing or combined with the reagent, or both. The biogenic reagent may include at least 70 wt%, 80 wt%, 90 wt%, 95 wt%, or more total carbon on a dry basis. The biogenic reagent may have an energy content of at least 12,000 Btu/lb, 13,000 Btu/lb, 14,000 Btu/lb, or 14,500 Btu/lb on a dry basis. The biogenic reagent may be formed into fine powders, or structural objects.

No. of Pages : 138 No. of Claims : 115

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201918022062 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SYSTEMS AND APPARATUS FOR PRODUCTION OF HIGH-CARBON BIOGENIC REAGENTS

(51) International classification :B01J 19/00
(31) Priority Document No :61/476,025
(32) Priority Date :15/04/2011
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2012/033628
Filing Date :13/04/2012
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :8969/DELNP/2013
Filed on :16/10/2013

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1)MENNELL, James A.
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(57) Abstract :
This invention provides processes and systems for converting biomass into highcarbon biogenic reagents that are suitable for a variety of commercial applications. Some embodiments employ pyrolysis in the presence of an inert gas to generate hot pyrolyzed solids, condensable vapors, and non-condensable gases, followed by separation of vapors and gases, and cooling of the hot pyrolyzed solids in the presence of the inert gas. Additives may be introduced during processing or combined with the reagent, or both. The biogenic reagent may include at least 70 wt%, 80 wt%, 90 wt%, 95 wt%, or more total carbon on a dry basis. The biogenic reagent may have an energy content of at least 12,000 Btu/lb, 13,000 Btu/lb, 14,000 Btu/lb, or 14,500 Btu/lb on a dry basis. The biogenic reagent may be formed into fine powders, or structural objects.

No. of Pages : 132 No. of Claims : 78

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019
(21) Application No.201918022206 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DE-ENTRAINMENT DEVICE FOR MASS TRANSFER COLUMN

(51) International classification :B01D 3/16
(31) Priority Document No :12/800,195
(32) Priority Date :11/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2011/056843
Filing Date :29/04/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :9714/DELNP/2012
Filed on :09/11/2012

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2)MARKUS FRIEDRICH FISCHER
3)MARK W. PILLING

(57) Abstract :
The valve cover has a guide vane extending laterally and downwardly from the central portion towards and in spaced relation to the tray deck for deflecting a majority of the vapor passing upwardly through an orifice downward towards the tray deck. A de-entrainment device with a downwardly angled deflector in vertical alignment with an orifice in the tray deck may be integrated or not with the valve cover below the tray deck.

No. of Pages : 30 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/10/2017

(21) Application No.201711035100 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : S.W. ROSE BINS

(51) International classification :A61K9/0014
(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)MEENA KAPAHI
3)DR. BENI MADHAW BAHAL

(57) Abstract :
A waste collection system having a collection system for disposal of menstrual/sanitary waste/pads having microbial growth is controlled using desiccating agents dispensed via a desiccation unit and UV Ionizing radiation unit. The collected sanitary waste is semi-automatically and hygienically sealed and packed in color coded biodegradable collection bags. The entire system is IOT enabled which has a warning feature to alert the user as well as the garbage collector for timely action.

No. of Pages : 5 No. of Claims : 6

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

(21) Application No.201714035654 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DOOR SASH STRUCTURE

(51) International classification :B60J10/79
(31) Priority Document No :2016-199898
(32) Priority Date :11/10/2016
(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)HIRATA, Yusuke

(57) Abstract :
There is provided a door sash structure. The door sash structure is disposed inside panels in a door panel structure in which a door inner panel and a door outer panel are bonded at edge parts thereof and is configured to guide up-and-down movement of a moving glass. A door sash includes one end formed with a glass run installation part, and another end formed with a first fixation part to be fixed to the door inner panel and a second fixation part to be fixed to the door outer panel. The door sash is integrally formed of resin.

No. of Pages : 17 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/12/2018

(21) Application No.201814048472 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : WIRELESS DEVICE SIM ACTIVATION WHILE ROAMING

(51) International classification :H04W4/00
(31) Priority Document No :62/617,143
(32) Priority Date :12/01/2018
(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)BALASUBRAMANIAN, Sundarraman
2)VENKATARAMAN, Vijay
3)ALI, Omar
4)MAQBOOL, Masood

(57) Abstract :
Activation or update of a subscriber identity module (SIM) via a roaming cellular wireless network by a mobile device includes the mobile device: determining a country of origin associated with a mobile network operator (MNO) for the SIM, determining a current geographic location of the mobile device, and when the current geographic location of the mobile device does not correspond to the country of origin for the MNO associated with the SIM of the eUICC, presenting an option to activate or update the SIM over a local roaming cellular wireless network. When the option is accepted, the mobile device enables a cellular data roaming capability for the mobile device, activates or updates the SIM via the local roaming cellular wireless network, and, after the SIM is activated or updated, disables the cellular data roaming capability for the mobile device.

No. of Pages : 30 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2018

(21) Application No.201814048611 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ELECTRONIC DEVICE, PROTECTION METHOD AND RELATED PRODUCT

(51) International classification :H04B1/3888
(31) Priority Document No :201810052056.X
(32) Priority Date :18/01/2018
(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

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1)Haiping ZHANG

(57) Abstract :
Disclosed are an electronic device, a protection method and a related product. The electronic device includes a sensor, a processor, a vibration motor and a headset jack. The sensor is configured to monitor whether the electronic device falls or not. The processor is configured to, in the case that the electronic device falls, determine whether the headset jack is connected with a headset plug or not. The vibration motor is configured to, in the case that the headset jack is connected with the headset plug, execute a vibration operation to rotate the electronic device by a target angle.

No. of Pages : 32 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/09/2015

(21) Application No.3110/DEL/2015 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : AIR CONDITIONING APPARATUS WITH MULTISTAGE AIR COOLING

(51) International classification :F24F
(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)RAJPUT MUKESH

(57) Abstract :
The present invention provides an air conditioning apparatus 100 which facilitates multistage air cooling utilizing a combination of vapour compression cooling and evaporative cooling. Said air conditioning apparatus 100 switches between a desert cooler mode and an air conditioning mode based on the ambient relative humidity to provide efficient cooling along with 40-50% energy saving.
FIGURE 2

No. of Pages : 28 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2017

(21) Application No.201717036888 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : PLATED STEEL WIRE WITH ZINC ALLOY PLATING LAYER HAVING MULTILAYER STRUCTURE FORMED THEREON AND METHOD FOR MANUFACTURING SAME

(51) International classification :C23C2/06,C23C2/38,C23C2/26
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/KR2017/004515
Filing Date :27/04/2017
(87) International Publication No :WO 2018/199362
(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)WANGIT Muhammad Farhan
2)ABDUL HADI Amiruddin
3)CHO Myung Hyun

(57) Abstract :
The present invention relates to a method for manufacturing a plated steel wire on which is formed a zinc alloy plating layer having a multilayer structure, the method comprising: a first plating step for galvanizing a steel wire to form a Zn-Fe alloy layer on the steel wire; and a second plating step for zinc alloy plating the galvanized steel wire obtained from the first plating step in a zinc alloy plating bath to form a zinc alloy plating layer. The present invention also relates to a plated steel wire on which is formed a zinc alloy plating layer having a multilayer structure, the plated steel wire being characterized by comprising: a steel wire; and a zinc alloy plating layer plated on the steel wire and having a multilayer structure, wherein the zinc alloy plating layer comprises a first layer including at least one structure among a Zn-Fe structure and a Zn-Fe-Al structure, a second layer including a Zn-Fe-Al structure and at least one structure among a Zn structure, a Zn-Al structure, and a Zn-Al-Mg-Fe structure, and a third layer including at least three among a Zn structure, a Zn-Al-Mg structure, an Mg-Zn structure, and a Zn-Al structure.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2018

(21) Application No.201814046358 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : VEHICLE BODY FRONT STRUCTURE

(51) International classification	:B60R 5/02
(31) Priority Document No	:2018-004920
(32) Priority Date	:16/01/2018
(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)Takuya HIRATA
2)Kazumasa SAITO

(57) Abstract :
[Problem to be Solved] To prevent a grille from being removed from a frame even when pulled in a vehicle body length direction with the intention of theft, without the need to add a complicated structure, a detachment prevention device, or the like that would reduce work efficiency or degrade the serviceability of grille replacement, by mounting a mounting member extending obliquely upward toward a vehicle body rear side onto a frame of a highly rigid vehicle body framework member. [Solution] Provided is a structure of a vehicle body front 1 having a hood lock frame 2 that is disposed at a middle part in a vehicle body width direction and extends along the vehicle body width direction on a vehicle body upper side, and a grille 4 that is disposed on a vehicle body front side of the hood lock frame 2. The grille 4 is provided with a mounting member 9 that is disposed on the vehicle body upper side and extends obliquely upward toward a vehicle body rear side, and the mounting member 9 is mounted on the hood lock frame 2 by being fastened in a vehicle body height direction.

No. of Pages : 24 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/05/2015
(21) Application No.4706/DELNP/2015 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DEVICE FOR PREPARING A BEVERAGE BY CENTRIFUGATION

(51) International classification :A47J31/22
(31) Priority Document No :12195801.1
(32) Priority Date :06/12/2012
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2013/075741
Filing Date :06/12/2013
(87) International Publication No :WO 2014/102048
(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 :Av. Nestl 55 CH 1800 Vevey Switzerland
(72)**Name of Inventor :**
1)JARISCH Christian
2)STRUZKA Zbynek
3)PERENTES, Alexandre
4)BORNE, Patrice

(57) Abstract :
The invention relates to a device for preparing a beverage from a beverage ingredient contained in a receptacle (17) by driving the receptacle (17) in centrifugation comprising a holding part (16) arranged for holding the receptacle (17) in a position enabling it to be rotated along a longitudinal axis of rotation (I) a liquid interfacing part (8) arranged for engaging against the receptacle (17) and for supplying water in the receptacle (17) and extracting the beverage. The holding part (16) and the liquid interfacing part (8) are connected together by connection means in such a manner that these parts (8 16) rotate together with the receptacle (17) during centrifugation. The connection means comprises at least a first engaging surface (48) of one of the holding part (16) or liquid interfacing part (8) and a second engaging surface (23) of a locking means (20) connected to the other one of the holding part (16) or the liquid interfacing part (8) which are adapted to be engaged in contact together at least during rotation of the device in a manner preventing the holding part (16) and the liquid interfacing part (8) from moving away from each other at least in the axial direction of rotation (I). The locking means (20) of the connection means is arranged to be moveably connected to the other one of the parts (8 16) with at least one degree of freedom at least about a pivoting axis (21).

No. of Pages : 35 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/05/2018

(21) Application No.201814019155 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : FOUR JUNCTION SOLAR CELLFOR SPACE APPLICATIONS

(51) International classification :B64G1/44
(31) Priority Document No :15/873,135
(32) Priority Date :17/01/2018
(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)Derkacs, Daniel
2)Bittner, Zachary
3)Whipple, Samantha
4)Haas, Alexander
5)Hart, John
6)Miller, Nathaniel
7)Patel, Pravin
8)Sharps, Paul

(57) Abstract :
A multijunction solar cell comprising: a growth substrate; a first solar subcell formed over or in the growth substrate; a grading interlayer deposited over the first solar subcell; and a sequence of layers of semiconductor material deposited over the grading interlayer comprising a plurality of solar subcells, including a second solar subcell disposed over and lattice mismatched with respect to the growth substrate and having a band gap in the range of 0.9 to 1.8 eV, and at least an upper solar subcell disposed over the second subcell and having an aluminum content in excess of 30% by mole fraction and a band gap in the range of 2.0 to 2.20 eV.

No. of Pages : 38 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/08/2015
(21) Application No.7780/DELNP/2015 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ABSORBENT ARTICLE

(51) International classification :A61F13/15,A61F13/53
(31) Priority Document No :2015070646
(32) Priority Date :31/03/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/064258
Filing Date :19/05/2015
(87) International Publication No :WO 2016/157550
(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)KUDO Jun
2)TERASOMA Nozomi
3)TANIGUCHI Kenta
4)AKIYAMA Saeko
5)KITAGAWA Masashi

(57) Abstract :
An absorbent article having a thickness direction a widthwise direction and a lengthwise direction which are perpendicular to one another wherein an absorbent body (10) thereof has liquid absorbing fibers. The absorbent body (10) has a folding guide line (LB) that guides in a manner such that folding occurs projects toward the skin side in the thickness direction and is oriented in the lengthwise direction. The absorbent body (10) has a section (10p1) containing the folding guide line (LB) and sections (10p2) that do not contain the folding guide line (LB) and are positioned on both sides of the folding guide line (LB) in the widthwise direction. When measuring stiffness using a Gurley method stipulated by JIS L1085 the stiffness of the sections (10p2) not containing the folding guide line (LB) is 1.64 mN or higher and the stiffness when applying the pendulum of the Gurley tester to the section (10p1) containing the folding guide line (LB) from the non skin side in the thickness direction is 1.36 mN or higher.

No. of Pages : 60 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/05/2019

(21) Application No.201917017866 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ANTI-CEACAM6 ANTIBODIES AND METHODS OF USE

(51) International classification :C07K16/30A61K39/395G01N33/574
(31) Priority Document No :10201608481W
(32) Priority Date :10/10/2016
(33) Name of priority country :Singapore
(86) International Application No :PCT/SG2017/050509
Filing Date :10/10/2017
(87) International Publication No :WO 2018/070936
(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)AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH
(72)**Name of Inventor :**
1)LEUNG, Hau Wan
2)CHOO, Andre Boon Hwa
3)DING, Mei Yee Vanessa
4)TAN, Shao Weng Daniel
5)IYER, Narayanan Gopalakrishna

(57) Abstract :
The present invention relates to an antigen-binding protein, or an antigen-binding fragment thereof which binding to CEACAM6, comprising (i) a heavy chain variable domain comprising a VHCDR1 having the amino acid sequence GNTFTSYVMH; a VHCDR2 having the amino acid sequence YINPYNDGTKYNEKFKG; and a VHCDR3 having the amino acid sequence STARATPYFYAMDY and (ii) a light chain variable domain comprising a VLCDR1 having the amino acid sequence KSSQSLLWSVNQNSYLS, a VLCDR2 having the amino acid sequence GASIRES, and a VLCDR3 having the amino acid sequence QHNHGSFLPYT. The present invention also relates to compositions comprising the antigen-binding protein, or antigen-binding fragment thereof, methods of use of the antigen-binding protein, or antigen-binding fragment thereof for cancer treatment, prevention or detection and a kit comprising the antigen-binding protein, or antigen-binding fragment thereof.

No. of Pages : 30 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/05/2019

(21) Application No.201917017867 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHODS AND SYSTEM FOR FILLING A SUPPRESSANT CONTAINER

(51) International classification :A62C13/62A62C35/02
(31) Priority Document No :62/404424
(32) Priority Date :05/10/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2017/075209
Filing Date :04/10/2017
(87) International Publication No :WO 2018/065461
(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)MACRON SAFETY SYSTEMS (UK) LIMITED
(72)**Name of Inventor :**
1)BROUGHTON, Timothy
2)ELDER, Alan
3)WALLS, John

(57) Abstract :
Systems and methods for filling and pressurizing a container with liquid suppressant and nitrogen gas. A pressurized receiving container of nitrogen gas is initially provided at a transformative pressure and liquid suppressant is subsequently added to the pressurized receiving container. The transformative gas pressure provides a sufficient amount of nitrogen to saturate the added liquid suppressant and provide an operative head space pressure within the receiving container without the need for mechanized mixing of the nitrogen and liquid suppressant solution.

No. of Pages : 18 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/08/2015

(21) Application No.7609/DELNP/2015 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ABSORBENT ARTICLE

(51) International classification :A61F13/15,A61F13/472
(31) Priority Document No :2015070648
(32) Priority Date :31/03/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/064197
Filing Date :18/05/2015
(87) International Publication No :WO 2016/157549
(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)KITAGAWA Masashi
3)TANIGUCHI Kenta
4)AKIYAMA Saeko

(57) Abstract :
An absorbent article having a thickness direction a widthwise direction and a lengthwise direction which are perpendicular to one another and having an absorbent body exhibiting liquid absorbency and a top sheet for covering the absorbent body from the skin side in the thickness direction wherein: the absorbent body has a folding guide line that guides in a manner such that folding occurs projects toward the skin side in the thickness direction and is oriented in the lengthwise direction; the absorbent body and the top sheet are joined to one another by a plurality of dot patterned compressed sections; and the dot patterned compressed sections are not formed in at least the center section in the lengthwise direction in guided folding regions having a width no greater than the thickness of the absorbent body and provided on both sides of the folding guide line in the widthwise direction.

No. of Pages : 35 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/01/2019

(21) Application No.201917000577 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : WATER PURIFIER

(51) International classification :B67D1/07B67D1/08B01D35/04
(31) Priority Document No :10-2017-0008388
(32) Priority Date :18/01/2017
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2018/000804
Filing Date :17/01/2018
(87) International Publication No :WO 2018/135857
(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)JEON, Jewook
2)MOON, Jungmin

(57) Abstract :
Provided is a water purifier. The water purifier includes a water purifier body including a housing defining an outer appearance and a filter provided in the housing to filter raw water introduced from the outside a water discharge module including a water discharge nozzle that protrudes forward from the water purifier body to supply the water passing through the filter to the outside of the water purifier body and a tray disposed below the water discharge nozzle. The water discharge module includes a case having a lower end through which the water discharge nozzle is exposed an ultraviolet (UV) lamp disposed above the water discharge nozzle in the case to emit ultraviolet rays to an inner surface of the water discharge nozzle a protection window made of a light transmission material and disposed below the UV lamp to protect the UV lamp against water and at least one light source that irradiates light to the inside or outside of the water discharge nozzle according to turn-on/off of the UV lamp.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/05/2019

(21) Application No.201917017689 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SEALING VALVE ARRANGEMENT FOR A SHAFT FURNACE CHARGING INSTALLATION

(51) International classification :C21B7/18F16K1/20F27B1/20
(31) Priority Document No :93 298
(32) Priority Date :10/11/2016
(33) Name of priority country :Luxembourg
(86) International Application No :PCT/EP2017/078541
Filing Date :08/11/2017
(87) International Publication No :WO 2018/087115
(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)STEICHEN, Charles
2)HUTMACHER, Patrick
3)TOCKERT, Paul

(57) Abstract :
The invention relates to a sealing valve arrangement for a shaft furnace charging installation comprising a shutter (12) that cooperates with a valve seat (10) and a shutter-actuating device for moving the shutter (12) between a closed position in sealing contact with the valve seat (10) and an open position remote from the valve seat (10). According to the present invention, the shutter-actuating device comprises a tilting shaft (24) connected to the shutter (12), an electric motor (26) with an output shaft connected to the tilting shaft (24), and a braking device (30) associated with the electric motor (26). The braking device (30) is configured for, when engaged, preventing the output shaft of the electric motor (26) from rotating. The shutter-actuating device further comprises a transmission means (28) arranged between the output shaft of the electric motor (26) and the tilting shaft (24), wherein the transmission means (28) is configured for transmitting rotational movement of the output shaft of the electric motor (26) to the tilting shaft (24). The transmission means (28) comprises a backlash configured for having a predetermined amount of allowed rotation between the output shaft of the electric motor (26) and the tilting shaft (24).

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/10/2015

(21) Application No.3339/DEL/2015 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ANTIANAEMIC AND ANTIDIABETIC PHYTOFABRICATED IRON NANOPARTICLES WITH IMPROVED BIOASSIMILATION

(51) International classification :B82Y5/00
(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)MUBAYI, ANAMIKA
(72)**Name of Inventor :**
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2)MUBAYI,ANAMIKA

(57) Abstract :
The present invention relates to method of making and using of metal nanoparticles formed by phytofabrication. For example, the present invention relates to the plant mediated synthesis of iron nanoparticles formed in extract of Murraya koenigii leaves and use of this leaf extract with iron nanoparticles in managing diabetes, diabetes induced anemia as well as anemia itself. Plant polyphenols present in the leaves are responsible for reduction of metal salts to form metal nanoparticles. Nanosize of iron nanoparticles increases bioavailability by improving their bioabsorption without folic acid. Thus, the present study is innovative in nature by providing possibility of a new way for greater iron assimilation in human system due to its nanosize. The aqueous extract of these leaves with nanoparticles could be prescribed as iron supplements for improving hemoglobin level in normal persons as well as diabetic persons due to its improved bioassimilation.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/05/2019

(21) Application No.201917017497 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : PHARMACEUTICAL COMPOSITION AND METHOD OF TREATING FEMALE SEXUAL DYSFUNCTIONS

(51) International classification :A61K38/08A61K9/08A61K9/10
(31) Priority Document No :2016112341
(32) Priority Date :24/10/2016
(33) Name of priority country :Russia
(86) International Application No :PCT/RU2017/050112
Filing Date :23/10/2017
(87) International Publication No:WO 2018/080353
(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)ANDREEVA, Lyudmila Alexandrovna
3)GOLIKOV, Dmitry Viktorovich
4)LOMONOSOV, Mikhail Yurievich

(57) Abstract :
The invention relates to the field of medicine and pharmaceutics, particularly to new pharmaceutical compositions for intranasal administration, comprising heptapeptide Thr-Lys-Pro-Arg-Pro-Gly-Pro or its pharmaceutically acceptable saline solution, and at least one pharmaceutically acceptable excipient. The claimed compositions show a high efficacy rate and safety, and may be used to treat and/or prevent female sexual dysfunction: HSDD, FSAD or FSIAD. The present invention also relates to a method of treating female sexual dysfunction, which includes administering the pharmaceutical composition according to the invention to a patient.

No. of Pages : 13 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/12/2015

(21) Application No.4100/DEL/2015 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD AND SYSTEM FOR SCHEDULING AND MITIGATING CROSS-CELL INTERFERNCE

(51) International classification :H04B15/00
(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)ABHEEK SAHA

(57) Abstract :
The present invention provides a method and a system for scheduling and mitigating cross-cell interference. The system comprises a plurality of N network nodes, each having a baseband processor and a transmit antenna Nt , capable of handling multiple input multiple output (MIMO) channels, communicatively coupled with a plurality of K co-residents user equipment (UEs); a central scheduler configured to control scheduling of said plurality of network nodes; wherein each network node is configured to select a plurality of UEs and provide the shortlisted UEs to the central scheduler; the central scheduler in turn identifies a target set of UEs and the co-residents for each network node; and the network node is configured to pre-select signal-to-noise power to the target UEs without impacting transmission of co-residents UEs. Figure 4

No. of Pages : 29 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/07/2015

(21) Application No.6467/DELNP/2015 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : HALOGEN SUBSTITUTED PYRAZOL DERIVATIVES AS PEST CONTROL AGENTS

(51) International classification	:C07D403/04,A01N43/56,C07D401/12
(31) Priority Document No	:13154269.8
(32) Priority Date	:06/02/2013
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2014/051989 :03/02/2014
(87) International Publication No	:WO 2014/122083
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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9)GRGENS Ulrich
10)RAMING Klaus
11)KBBERLING Johannes
12)HBSCH Walter
13)TURBERG Andreas
14)LINDNER Niels

(57) Abstract :
The invention relates to inter alia halogen substituted compounds of the general formula (I) in which the groups A1 A4 T n W Q R1 and Z1 Z3 have the meanings specified in the description. The invention further relates to methods for producing the compounds of the formula (I) and to possible intermediates for producing said compounds. The compounds according to the invention are suitable in particular for combating insects arachnids and nematodes in the field of agriculture and for combating ectoparasites in the field of veterinary medicine.

No. of Pages : 175 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/09/2018

(21) Application No.201812036194 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A STERILE ADAPTER ASSEMBLY FOR A ROBOTIC SURGICAL SYSTEM

(51) International classification :A61B 34/30
(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 :201811001409
Filed on :12/01/2018

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1)KAPADIA, Salman

(57) Abstract :
A sterile adapter assembly (303) is disclosed herein. The sterile adapter assembly (303) comprises of a housing (401) and a floating plate (423) positioned within the housing (401). The sterile adapter assembly further comprises of at least one rotatable body (505a) having a circumferential surface affixed on the floating plate (423). The at least one rotatable body (505a) having at least one opening (601a) capable of receiving at least one pin of a driving element (413) of an actuator assembly (305). The sterile adapter assembly further comprises of a compression mechanism (700) positioned inside the at least one rotatable body (505a) to align the at least one pin of the driving element (413) of the actuator assembly (305) with the at least one opening (601a) of the at least one rotatable body (505a).

No. of Pages : 33 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/08/2015

(21) Application No.7665/DELNP/2015 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ABSORBENT ARTICLE

(51) International classification :A61F13/472,A61F13/533,A61F13/56
(31) Priority Document No :2015070649
(32) Priority Date :31/03/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/064194
Filing Date :18/05/2015
(87) International Publication No :WO 2016/157548
(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)TANIGUCHI Kenta
4)AKIYAMA Saeko

(57) Abstract :
An absorbent article having a longitudinal direction, a width direction and a thickness direction that are orthogonal to one another, including: a liquid-absorbent absorbent body, the absorbent body including a bend inducing line along the longitudinal direction, the absorbent body being induced by the bend inducing line so that the absorbent body bends to protrude to the skin side in the thickness direction, the absorbent body including bend inducing region at least one of which is formed in each of both sides of the bend inducing line in the width direction and whose width is equal to or smaller than a thickness of the absorbent body; a top sheet that covers the absorbent body from a skin side in the thickness direction, the top sheet and the absorbent body being joined by a linear compressed portion extending along the longitudinal direction; and a back sheet that covers the absorbent body from a non-skin side in the thickness direction; the back sheet including an adhering portion, the adhering portion being a region to which adhesive is applied on the non-skin side in the thickness direction, at least in a longitudinal central section, the bend inducing region and the linear compressed portion not being formed in a region where the bend inducing region and the linear compressed portion are to overlap the adhering portion. [FIG.5]

No. of Pages : 42 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/09/2015

(21) Application No.8921/DELNP/2015 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : MOBILE DEVICE MONITORING AND TESTING

(51) International classification :H04W24/06
(31) Priority Document No :13/785957
(32) Priority Date :05/03/2013
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2014/020372
Filing Date :04/03/2014
(87) International Publication No :WO 2014/138097
(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)Uusitalo, Jay, R.
3)KNASIAK Mark
4)BROWN Philip E.

(57) Abstract :
A multi-channel communications interface is provided and communicatively coupled to a controller which captures, via the communications interface, video data of a display of a mobile device at a resolution and frame rate equal to or greater than that of the mobile device display, and may additionally capture various other outputs of the mobile device. During the capture of the video data and other outputs, one or more input actions may be provided to the mobile device by the controller via the communications interface. The input actions may be provided in an interactive or automated manner, and may correspond to interactions of users with the controller that are performed using one or more provided graphical or programmatic interfaces.

No. of Pages : 64 No. of Claims : 45

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/05/2019

(21) Application No.201918017795 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : BI-FUNCTIONAL CO-POLYMER USE FOR OPHTHALMIC AND OTHER TOPICAL AND LOCAL APPLICATIONS

(51) International classification	:A61K 47/00
(31) Priority Document No	:61/153,416
(32) Priority Date	:18/02/2009
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2010/024585 :18/02/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filed on	:6787/DELNP/2011 :05/09/2011

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2)KLEINMAN, David, Maxwell
3)LOXLEY, Andrew
4)MITCHNICK, Mark

(57) Abstract :
The invention contemplates a copolymer which is a graft or block copolymer useful to change wettability and surface characteristics of biological surfaces. Methods for use of these formulations and coatings to change wettability and sterically stabilize, and lubricate biological surfaces in a subject, for example, in the treatment of dry eye syndrome, and to prevent adherence of unwanted proteins, for example in the treatment of contact lens intolerance, are provided.

No. of Pages : 60 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/05/2019

(21) Application No.201918017827 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SYSTEM AND METHOD FOR SIGNALING CONTROL INFORMATION IN A MOBILE COMMUNICATION NETWORK

(51) International classification :H04W 52/00
(31) Priority Document No :61/320,167
(32) Priority Date :01/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2011/051418
Filing Date :01/04/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :8617/DELNP/2012
Filed on :04/10/2012

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3)GERSTENBERGER, Dirk
4)LARSSON, Daniel

(57) Abstract :
A method of operating a wireless communication terminal includes receiving one or more downlink control messages that each contain scheduling information scheduling the wireless termina! to receive a downlink transmission on either a primary carrier or a secondary carrier. The method also includes determining, for each of the downlink control messages, whether that message includes scheduling information for the primary carrier or for a secondary carrier. Additionally, the method includes selecting a format for an uplink control message based on whether any of the downlink control messages includes scheduling information for a secondary carrier, generating an uplink control message based on the selected, format, and transmitting the uplink control message to the base station.

No. of Pages : 66 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/05/2016

(21) Application No.201611015384 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A VTOL UNMANNED AERIAL VEHICLE

(51) International classification	:B64C39/024
(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)KOTHARI, Mangal
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4)CHIPADE, Vishnu
5)GUPTA, Naveen
6)CHAUDHARI, Rushikesh
7)SINGH, Ran, Vijay

(57) Abstract :
The present invention provides an unmanned aerial vehicle having a fixed wing configuration, being capable of Vertical Take-Off and Landing (VTOL) and/or hovering using helicopter mode and achieve a forward flight using an airplane mode, wherein said airplane vehicle comprising: quad-rotors with variable pitch mechanism in said fixed wing configuration, actuated to enable said unmanned aerial vehicle to takeoff, transition and then obtain forward flight; at least one transmission mechanism operably coupled to said quad-rotors, wherein said transmission mechanism comprising at least two gears adapted to provide two different rotor speeds/ Revolutions per minute (RPM) to said Quad-rotors during each of said helicopter mode and said airplane mode; wherein, said quad-rotors adapted to receive collective blade pitch angles from variable pitch mechanism as control input to provide complete flight control and thereby generate each of roll and/or pitch and/or yaw motion in said airplane vehicle during forward flight and/or hovering. (Figure 1)

No. of Pages : 25 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/12/2018

(21) Application No.201817046252 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CAMERA LENS

(51) International classification :G02B13/00
(31) Priority Document No :201710443540.0
(32) Priority Date :13/06/2017
(33) Name of priority country :China
(86) International Application No :PCT/CN2018/073168
Filing Date :18/01/2018
(87) International Publication No :WO 2018/227971
(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, Ming
3)YANG, Lin

(57) Abstract :
Disclosed is a camera lens. The camera lens successively comprises, from an object side to an image side: a first lens (E1), a second lens (E2), a third lens (E3), a fourth lens (E4) and a fifth lens (E5), wherein the first lens (E1) has a positive focal power, the second lens (E2) has a negative focal power, the third lens (E3) has a positive focal power or a negative focal power, the fourth lens (E4) has a positive focal power, the fifth lens (E5) has a negative focal power, and the effective focal length f of the camera lens and a combined focal length f45 of the fourth lens (E4) and the fifth lens (E5) satisfy -1.0.

No. of Pages : 34 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201918022311 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DERIVATIVES OF AZAINDAZOLE OR DIAZAINDAZOLE TYPE AS MEDICAMENT

(51) International classification :C07D 471/04
(31) Priority Document No :1150651
(32) Priority Date :27/01/2011
(33) Name of priority country :France
(86) International Application No :PCT/EP2012/051283
Filing Date :27/01/2012
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :7013/DELNP/2013
Filed on :06/08/2013

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3)RABOT, REMI
4)KRUCZYNSKI, ANNA
5)SCHMITT, PHILIPPE
6)PEREZ, MICHEL
7)RAHIER, NICOLAS

(57) Abstract :
The present invention relates to a compound of following formula (I): or a pharmaceutically acceptable salt or solvate of same, a tautomer of same, or a stereoisomer or mixture of stereoisomers of same in any proportions, such as a mixture of enantiomers, notably a racemic mixture; as well as to the use of same as a drug, notably intended for the treatment of cancer, inflammation and neurodegenerative diseases such as Alzheimers disease; to the use of same as a kinase inhibitor; to the pharmaceutical compositions comprising same; and to methods for the preparation of same.

No. of Pages : 161 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/09/2015

(21) Application No.8890/DELNP/2015 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : PARTICLE FOAM COMPONENT HAVING A TEXTURED SURFACE

(51) International classification :B29C33/42,B29C44/18,C08J9/232
(31) Priority Document No :61/791781
(32) Priority Date :15/03/2013
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2014/026286
Filing Date :13/03/2014
(87) International Publication No :WO 2014/151706
(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)SCHMITZ Johann Burkhard
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5)ZWICK Carola E.M.

(57) Abstract :
An element molded from a particle foam, including for example expanded polypropylene foam, includes at least one visible exterior surface defined by the particle foam. The visible exterior surface is textured having a roughness depth of less than or equal to 1.00mm and a plurality of vent interfaces each having a maximum width of less than or equal to 0.4mm. Methods of molding the element, together with a mold and a method of making the mold, are also provided.

No. of Pages : 45 No. of Claims : 52

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2019

(21) Application No.201917022153 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SYSTEMS AND METHODS FOR ION EXCHANGING GLASS ARTICLES

(51) International classification :C03C21/00C03C23/00
(31) Priority Document No :62/428016
(32) Priority Date :30/11/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/063803
Filing Date :29/11/2017
(87) International Publication No :WO 2018/102466
(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)MILLER, William James
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6)SWECKER, Jeanne Lynn
7)TIMMONS, Christopher Lee

(57) Abstract :
Disclosed herein are systems and methods for ion exchanging glass articles. Methods for ion exchanging glass articles include receiving processing instructions from one or more user input devices, loading a cassette containing a plurality of glass articles into a molten salt bath of one or more ion exchange stations automatically with a robotic lift based on the processing instructions, removing the cassette from the molten salt bath automatically with the robotic lift after a predetermined time based on the processing instructions, and rotating the cassette automatically to drain fluid of the molten salt bath from the cassette.

No. of Pages : 47 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/06/2015

(21) Application No.4746/DELNP/2015 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : RAPID LOW SAMPLE VOLUME CHOLESTEROL AND TRIGLYCERIDE ASSAYS

(51) International classification :C12Q1/28,C12Q1/44,C12Q1/60
(31) Priority Document No :61/735424
(32) Priority Date :10/12/2012
(33) Name of priority country :U.S.A.
(86) International Application No:PCT/US2013/074211
Filing Date :10/12/2013
(87) International Publication No :WO 2014/093399
(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)PATEL Paul
4)HOLMES Elizabeth A.

(57) Abstract :
Reagents, assays, methods, kits, devices, and systems for rapid measurement of cholesterol and cholesterol sub-frac¬tions from a blood sample are provided. Total cholesterol, low density lipoprotein cholesterol, and high density lipoprotein choles -terol can be measured in a single assay using kinetic measurements, under conditions in which cholesterol sub-species are converted to a detectable product at distinct rates. The detectable product is measured at different times after assay initiation. A lipase, choles¬terol esterase, cholesterol oxidase and a peroxidase may be used together to produce colored product in amounts directly proportion¬al to the quantity of cholesterol converted. Methods for calculating very-low density lipoprotein cholesterol levels by further includ -ing triglyceride measurements are disclosed. Assays may be performed in a single reaction mixture, allowing more accurate and pre¬cise cholesterol determinations, including ratios of cholesterol sub-fractions to total cholesterol, at less expense, than would be ex -pected by performing several different assays in different reaction mixtures.

No. of Pages : 89 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/09/2015

(21) Application No.8290/DELNP/2015 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SYSTEMS AND METHODS FOR MULTI ANALYSIS

(51) International classification :G01N1/10,G01N35/10,G01N21/00
(31) Priority Document No :13/769779
(32) Priority Date :18/02/2013
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2014/016997
Filing Date :18/02/2014
(87) International Publication No :WO 2014/127379
(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)Samartha Anekal
8)Lath Adrit
9)Loo Alexander
10)Pangarkar Chinmay
11)Patel Paul
12)Roy Joy
13)Smith Timothy
14)Young Daniel
15)GIBBONS, Ian

(57) Abstract :
Systems and methods are provided for sample processing. A device may be provided, capable of receiving the sample, and performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing multiple assays. The device may comprise one or more modules that may be capable of performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing the steps using a small volume of sample.

No. of Pages : 652 No. of Claims : 41

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

(21) Application No.201717035395 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD AND DEVICE FOR DETERMINING UPLINK CONTROL CHANNEL

(51) International classification :H04W72/04
(31) Priority Document No :PCT/CN2016/101209
(32) Priority Date :30/09/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/099864
Filing Date :31/08/2017
(87) International Publication No :WO 2018/059181
(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, Shaohua
3)ZHANG, Zhan

(57) Abstract :
Embodiments of the disclosure generally relate to determination of a UL control channel. A device selects, from candidate UL control channel categories, a target UL control channel category based on information about traffic between a network device and a terminal device. The candidate UL control channel categories at least include a first UL control channel category for high requirement traffic and a second UL control channel category for low requirement traffic. Then, the device determines a UL control channel of the target UL control channel category for the terminal device.

No. of Pages : 29 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/03/2019

(21) Application No.201917011155 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : NON-AQUEOUS ELECTROLYTE SOLUTION AND LITHIUM SECONDARY BATTERY COMPRISING SAME

(51) International classification	:H01M10/0564H01M10/0565C08L71/00
(31) Priority Document No	:10-2017-0005598
(32) Priority Date	:12/01/2017
(33) Name of priority country	:Republic of Korea
(86) International Application No Filing Date	:PCT/KR2018/000646 :12/01/2018
(87) International Publication No	:WO 2018/131952
(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)LEE, Chul Haeng
4)OH, Jeong Woo

(57) Abstract :
The present invention relates to a non-aqueous electrolyte solution and a lithium secondary battery comprising same, the non-aqueous electrolyte solution comprising: a non-aqueous organic solvent; a lithium salt; and an oligomer represented by chemical formula 1 disclosed in the present specification. The non-aqueous electrolyte solution, according to one embodiment of the present invention, may enable the reduction of gases such as CO or CO2 generated inside the secondary battery during high-temperature storage, and thus may further enhance the high-temperature stability of the lithium secondary battery.

No. of Pages : 43 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/07/2015
(21) Application No.5932/DELNP/2015 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : THIN TRANSFORMER

(51) International classification :H01F30/00
(31) Priority Document No :2013006441
(32) Priority Date :17/01/2013
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2013/006928
Filing Date :26/11/2013
(87) International Publication No :WO 2014/111994
(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)FUJII Akihiro
4)OTA, MASARU

(57) Abstract :
The present invention provides a thin transformer capable of further providing a first order coil and a second order coil without increasing the number of laminated coil substrates when the coil substrates have been surrounded by a magnetic material core so as to form a closed magnetic circuit. In this thin transformer a plurality of coil substrates (2) having a first order coil and a second order coil formed on the front and rear surfaces are laminated lamination portions (2b) of the laminated coil substrates (2) excluding both edge portions are surrounded by a pair of magnetic material cores (3) so as to form a closed magnetic circuit and are mounted on a seating (4). In the seating (4) a step portion (5) is formed thereby forming voids between the pair of magnetic material cores (3) and the top surface and bottom surface of the lamination portions (2b) in the coil substrate (2). The step portion (5) includes a top surface portion (5a) and a bottom surface portion (5b). The top surface portion (5a) supports both edge portions (2a) of the laminated coil substrate (2). The bottom surface portion (5b) is formed between the top surface portions (5a) and has the pair of magnetic material cores (3) mounted thereon.

No. of Pages : 21 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/04/2016

(21) Application No.201614013966 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : INLET FLOW RESTRICTOR

(51) International classification :E03F5/102
(31) Priority Document No :14/789,185
(32) Priority Date :01/07/2015
(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)THOMAS RUSSELL SMITH

(57) Abstract :
A liypcrsonic vehicle (10) has a body (20), a coltrosl urface (30), and a hypersonic airbreathing enginc (40). The enginc includes a converging inlet (100) having a fixed cowling (1 10) having a first cross-sectional area and a throat (120) having a second cross-sectional area.A flow restrictor (200) is movable between a stowed positioll and a fully dcployed position. The flow restrictor (200) has a third cross-sectional area such that a consistent gap (210)is formed between a periphery (220) of the flow restrictor (200) and an inner surface (114)of the cowling (110) with the flow restrictor (200) in the fully deployed positiori and the difference between the first cross-sectional area and the third cross-sectional area is approximately equal to the second cross-sectional area.

No. of Pages : 28 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/08/2017

(21) Application No.201711023080 A
(43) Publication Date : 19/07/2019

(54) Title of the invention :SYSTEM FOR FERTILIZER METERING€ •

(51) International classification :A01C7/04
(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)TEJDEEP SINGH

(57) Abstract :
A fertilizer metering system (100) is provided to control the quantity of fertilizer being fed to seeds or crops. The system includes a main frame (102) connected to a funnel (108), a gear (1002) and a drive shaft (106). The fertilizer metering system is capable of working smoothly in moist conditions thus avoiding jams in machines during the operations in moist conditions. Fig.l

No. of Pages : 15 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/08/2017

(21) Application No.201717030912 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ALLOCATING RADIO RESOURCES FOR ONE OR MORE RADIO DEVICES IN A INDUSTRIAL APPLICATION

(51) International classification	:H04W72/08,H04W36/18,H04W28/16
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:PCT/EP2017/057231 :27/03/2017
(87) International Publication No	:WO 2018/177505
(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)AKTAS Ismet
2)ANSARI Junaid

(57) Abstract :
Method of allocating radio resources for one or more radio devices (A, B, C, D, DX) in an industrial application (IA), the method comprising: allocating radio resources to at least one non-stationary radio device (A, B, C, D, DX) such that radio resources allocated to the non-stationary device (A, B, C, D, DX) in a first cell (S) are exclusively available for the non-stationary device (A, B, C, D, DX) in at least one second cell (T) next to, preferably adjacent to, the first cell (S).

No. of Pages : 23 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/06/2019

(21) Application No.201917022393 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : MALE PIN AND FEMALE HOUSING SET FOR A DISPLAY STAND WITH A QUICK-ENGAGEMENT ATTACHMENT SYSTEM

(51) International classification :A47F5/00A47B57/48A47B96/06
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/BR2017/050068
Filing Date :22/03/2017
(87) International Publication No :WO 2018/170562
(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)KWO TZUO, Chung

(57) Abstract :
Allowing attachment of the male pin (1) on the lateral edges of the shelves (P) and of the respective female housings (9) on the lateral walls (L) of display stands (D) to be carried out after the step of manually or automatically gluing said components (shelves and lateral walls), providing flexibility to the assembly line of said display stands (D). To this end, the male pin (1) along with its coupling end (2) has hinged rear flaps (3) that can be secured to each other by means of coupling pegs (5) and recesses (6), along with coupling lugs (7) and cradles (8). The female housing (9) has a front track (10) that incorporates a rear clip (12). The male pin (1) and female housing (9) are secured, respectively, in indentations (R1) near the ends of the front edges (B) of the shelves (P) and in indentations (R2) in the lateral walls (L) of the display stand (D). In the step of assembling the display stand (D), the pegs (5)/recesses (6) and lug (7)/cradle (8) of the male pin (1) are inserted in the indentation (R1), securing same by quick engagement at both ends of the front edge (B) of the shelf (P) and laterally exposing the coupling end (2) thereof, while the female housing (9) is inserted by means of its rear clip (12) in the indentation (R2) of the lateral wall (L), positioning the front track (10) thereof to receive the coupling end (2) of the male pin (1).

No. of Pages : 6 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/09/2017

(21) Application No.201711033801 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : TON/MTT INTERGROWTH ZEOLITE WITH DOMINION OF TON CHARACTER AND ITS APPLICATION IN HYDROISOMERIZATION OF LONG CHAIN N-PARAFFINS

(51) International classification	:C01B37/02 Y10S423/35 Y10S423/36
(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)MUNUSAMY, Kuppusamy
3)NEWALKAR, Bharat Lakshman
4)PAI, Shivanand Mukund
5)GHOSH, Sayanti
6)DAS, Raj Kumar

(57) Abstract :
The present disclosure relates generally to the field of zeolites. Particularly, the present disclosure provides a TON/MTT intergrowth zeolite with dominion of TON character. Aspects of the present disclosure also relates to a method of preparation of a TON/MTT intergrowth zeolite with dominion of TON character. In an embodiment, the TON/MTT intergrowth zeolite is a ZSM-22/ZSM-23 intergrowth zeolite, wherein said ZSM-22/ZSM-23 intergrowth zeolite exhibits dominion of ZSM-22 character. Another aspect of the present disclosure provides a catalyst including: at least one TON/MTT intergrowth zeolite; and at least one noble metal supported thereon, wherein said TON/MTT intergrowth zeolite exhibits dominion of TON character. Still further aspect of the present disclosure relates to a method for preparation of a catalyst including at least one TON/MTT intergrowth zeolite and at least one noble metal. Still further aspect of the present disclosure provides a catalyst for effecting hydroisomerization of C12 to C40 n-paraffins.

No. of Pages : 33 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/09/2017

(21) Application No.201711033951 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : AUTOMATIC CUP FILLING APPARATUS AND A METHOD FOR THE SAME

(51) International classification :B67D1/124
(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)NITIN JAIN

(57) Abstract :
The invention relates to an apparatus for and method of automatically filling and sealing cups used in the field of beverage industry, in particular the apparatus for automatically filling the cups as they are conveyed and wherein the cups, after being filled, are closed by a hydrophilic nonwoven fabric made up of synthetic fibres in order to make a ready to drink tea infusion cup.

No. of Pages : 21 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/09/2017

(21) Application No.201711034094 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : MOBILE DROP TESTER

(51) International classification :H04M1/24
(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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1)PARAS GAUTAM

(57) Abstract :
This invention will save the production time for checking the reliability of the mobile phones and the accessories like ear phones and adaptors .The number of micro drop tests will be directly proportiona to the number of stages of the machine .The machine will not lift the product to be dropped.The machine will help in the production efficiency of the mobile phones.

No. of Pages : 2 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/11/2018

(21) Application No.201814042438 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DISTRIBUTED TRAILING EDGE WING FLAP SYSTEMS

(51) International classification :B64C 3/50
(31) Priority Document No :15/874,545
(32) Priority Date :18/01/2018
(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)HUYNH, Neal V.

(57) Abstract :
Distributed trailing edge wing flap systems are described. An example wing flap system for an aircraft includes a flap and an actuator. The flap is movable between a deployed position and a retracted position relative to a fixed trailing edge of a wing of the aircraft. The actuator is to move the flap relative to the fixed trailing edge. The actuator is hydraulically drivable via first pressurized hydraulic fluid to be supplied by a hydraulic system of the aircraft. The actuator is also hydraulically drivable via second pressurized hydraulic fluid to be supplied by a local power unit. The local power unit is selectively connectable to an electrical system of the aircraft. The electrical system is to power the local power unit to supply the second pressurized hydraulic fluid.

No. of Pages : 75 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/09/2017

(21) Application No.201717031887 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : BATTERY PIECE BACK SIDE STRUCTURE FOR REDUCING FRAGMENT RATE OF SOLAR MODULES

(51) International classification :H01L31/0224
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2017/086511
Filing Date :31/05/2017
(87) International Publication No :WO 2018/218473
(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)YIN Bingwei
2)ZHANG GuanLun
3)WU Junmin
4)CHANG Qing

(57) Abstract :
Disclosed in the invention is a battery piece back side structure for reducing fragment rate of solar modules. The structure comprises a back electrode, a back electric field and a substrate material. The back side of the substrate material is provided with the back electric field, and the back electric field is provided with several electrode holes, each electrode hole being internally provided with the back electrode. The back electrodes are contacted to the substrate material, the length of the back electrode is less than the length of the electrode hole, there are gaps at both terminals of the back electrodes from terminals of the electrode holes, and the length of the gap is more or equal to 0mm. In the present invention, gaps are provided between back electrodes and electrode holes, so that after printing of the back electric field, electrode hole positions and both terminals of the back electrodes are not overlapped, and after printing, height of the back electric field of the battery piece in the direction of the back electrodes is at a same level. During series welding of the battery pieces, solder strip and the battery piece are uniformly stressed, so that fragment rate of the battery piece is reduced during the manufacturing process of modules.

No. of Pages : 6 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/09/2017

(21) Application No.201717031888 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DUAL PRINTING PROCESSING METHOD AND SCREEN PLATE FOR IMPROVING ELECTRODE TENSILE STRENGTH OF BATTERY PANEL

(51) International classification :H01L31/0224
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2017/086512
Filing Date :31/05/2017
(87) International Publication No :WO 2018/218474
(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)CHANG Qing

(57) Abstract :
A dual printing screen plate for improving the electrode tensile strength of a battery panel, comprising: a first screen plate and a second screen plate; the pattern of the first screen plate comprises equally spaced sub-gate lines (3), and a plurality of bottom electrodes (2) which are disposed at positions of a main gate intersecting the sub-gate lines (3); the pattern of the first screen plate also comprises at least two alignment points; the pattern of the second screen plate comprises equally spaced sub-gate lines (3), a main gate line (5) which intersects with the sub-gate lines, and alignment points corresponding to the alignment points of the pattern of the first screen plate, the sub-gate lines (3) corresponding to and having the same spacing as those of the first screen plate. When using the screen plate to print, the bottom electrodes (2) are printed at positions of the main gate at the same time that the sub-gate lines (3) are first printed, thus raising the height of the main gate during a second printing process, improving the welding performance of a positive electrode, and increasing the tensile strength value of the positive electrode, thereby improving the utilization rate of an electrode slurry material, and improving battery conversion efficiency to a certain extent.

No. of Pages : 12 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/09/2018

(21) Application No.201817036887 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD FOR ELUTING CALCIUM FROM STEELMAKING SLAG, AND METHOD FOR COLLECTING CALCIUM FROM STEELMAKING SLAG

(51) International classification :C21C5/28C04B5/00C21C1/02
(31) Priority Document No :2017-006614
(32) Priority Date :18/01/2017
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2018/000837
Filing Date :15/01/2018
(87) International Publication No :WO 2018/135439
(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)ASABA, Akihiro

(57) Abstract :
The purpose of the present invention is to provide a method for eluting Ca from steelmaking slag such that a large amount of Ca can be eluted from the steelmaking slag into an aqueous solution containing carbon dioxide. The present invention executes, in this order: a step for removing an iron-containing compound from steelmaking slag by performing magnetic separation on the steelmaking slag; and a step for bringing the steelmaking slag subjected to magnetic separation into contact with an aqueous solution containing carbon dioxide. In addition, the aqueous solution containing carbon dioxide and the steelmaking slag are brought into contact with each other while the steelmaking slag is being pulverized or the surface of the steelmaking slag is being ground.

No. of Pages : 38 No. of Claims : 8

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

(21) Application No.201717037074 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD BASE STATION AND USER EQUIPMENT FOR TRANSCEIVING SYSTEM INFORMATION

(51) International classification :H04W48/08
(31) Priority Document No :PCT/CN2017/070129
(32) Priority Date :04/01/2017
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/103684
Filing Date :27/09/2017
(87) International Publication No :WO 2018/126744
(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)FAN, Rui
3)FRENGER, Pal

(57) Abstract :
Method, base station and user equipment are disclosed for transceiving system information (SI). According to an embodiment, a minimum SI message is transmitted. The minimum SI message comprises information regarding transmission of at least one additional SI message. The at least one additional SI message is transmitted according to the information in the minimum SI message. The minimum SI message comprises an indicator for indicating the transmission of the at least one additional SI message. The indicator further indicates that the at least one additional SI message are periodically broadcasted.

No. of Pages : 26 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/04/2019
(21) Application No.201917015308 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : AIR SPRING AND BOGIE

(51) International classification :F16F9/05B61F5/10F16F9/44
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2016/080696
Filing Date :17/10/2016
(87) International Publication No :WO 2018/073861
(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)KITADA, Hideki
3)URA, Yasuhiko
4)NISHIMURA, Takehiro
5)KAMURA, Keiichiro
6)SATO, Yoshi

(57) Abstract :
This air spring is provided with: an outer cylinder; an inner cylinder which is combined with the outer cylinder; a diaphragm which connects the outer cylinder and the inner cylinder and forms an internal space between the outer cylinder and the inner cylinder; a stopper assembly which is disposed in the internal space so as to be capable of rotating on the inner cylinder and which is capable of inhibiting excessive movement of the outer cylinder towards the inner cylinder side; a rotating mechanism which rotates the stopper assembly on the inner cylinder; and a space which is provided between the stopper assembly and the inner cylinder and which is capable of reducing resistance when the stopper assembly is rotated.

No. of Pages : 16 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917021930 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHODS FOR ASSESSING RISK USING TOTAL AND SPECIFIC CELL-FREE DNA

(51) International classification :C12Q1/68C12Q1/6883C12Q1/6809
(31) Priority Document No :62/416689
(32) Priority Date :02/11/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/059808
Filing Date :02/11/2017
(87) International Publication No :WO 2018/085603
(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)MITCHELL, Aoy, Tomita
2)MITCHELL, Michael
3)STAMM, Karl

(57) Abstract :
This invention relates to methods and compositions for assessing risk by measuring total and specific cell-free nucleic acids (such as DNA) in a subject. The methods and compositions provided herein can be used to determine risk of a condition, such as transplant rejection.

No. of Pages : 45 No. of Claims : 102

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201917021980 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : MODULATORS OF COMPLEMENT ACTIVITY

(51) International classification :A61K38/12A61M5/30
(31) Priority Document No :62/430959
(32) Priority Date :07/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/065005
Filing Date :07/12/2017
(87) International Publication No :WO 2018/106859
(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)HOARTY, Michelle, Denise
5)HAMMER, Robert, Paul
6)TRECO, Douglas, A.
7)SEYB, Kathleen
8)TANG, Guo-Qing
9)RAJAGOPAL, Vaishnavi
10)VADYSIRISACK, Douangsone, D.
11)FARZANEH-FAR, Ramin

(57) Abstract :
The present disclosure relates to polypeptide modulators of complement activity, including cyclic polypeptide modulators. Included are methods of utilizing such modulators as therapeutics. Also provided are methods of measuring C5 and related complexes using C5 binding agents.

No. of Pages : 89 No. of Claims : 60

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019
(21) Application No.201917021981 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD FOR SPLINING WHEEL BEARING

(51) International classification :B21J5/12B21K1/05B21K1/30
(31) Priority Document No :2016-224073
(32) Priority Date :17/11/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/040399
Filing Date :09/11/2017
(87) International Publication No :WO 2018/092673
(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)MATSUNAGA Hiroshi
3)FUJITA Takuya

(57) Abstract :
A method for splining a wheel bearing 20 comprising an outer member 5 provided with two rows of outside raceway surfaces 13, 14 on the inner circumferential surface thereof, inner members 1, 2 provided with two rows of inside raceway surfaces 7, 8, which face the outside raceway surfaces 13, 14, on the outer circumferential surfaces thereof, two rows of rolling elements 3, 4 interposed between the outside raceway surfaces 13, 14 of the outer member 5 and the inside raceway surfaces 7, 8 of the inner members 1, 2, and cages 15, 16 for holding the rolling elements 3, 4, the inner circumferences of the inner members 1, 2 being provided with an interference spline 39, the interference spline 39 being provided with a guide spline 44 at the inboard end thereof, wherein the method is characterized in that: an intermediate component 1 of the inner members 1, 2 is provided with a spline-forming inner circumferential surface 50, on which the interference spline 39 and the guide spline 44 are formed, and a clearance part 52, which has a larger diameter than the spline-forming inner circumferential surface 50 and is located on the outboard side of the spline-forming inner circumferential surface 50; a punch used for splining is formed of an integrated spline punch 80 that has an interference spline-forming surface 82 for forming the interference spline 39 and a guide spline-forming surface 83 for forming the guide spline 44; and the interference spline 39 and the guide spline 44 are formed by pressing the spline-forming inner circumferential surface 50 with the integrated spline punch 80.

No. of Pages : 33 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/10/2015
(21) Application No.9245/DELNP/2015 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CRYSTALLIZATION AIDS FOR BAYER ALUMINUM HYDROXIDE

(51) International classification :C01F7/02,C07C43/16
(31) Priority Document No :13/829950
(32) Priority Date :14/03/2013
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2014/016095
Filing Date :12/02/2014
(87) International Publication No :WO 2014/158404
(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)COUNTER James
2)MALITO, John T.

(57) Abstract :
Disclosed herein are compounds, compositions, and methods for producing aluminum hydroxide crystals from a precipitation liquor. The precipitation liquor may be located in a Bayer process.

No. of Pages : 53 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/04/2018

(21) Application No.201814015308 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ROTATABLE ASSEMBLING DEVICE FOR TOOL MAGAZINE

(51) International classification :F16D65/02
(31) Priority Document No :107101554
(32) Priority Date :16/01/2018
(33) Name of priority country/region :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)CHING-SAN CHANG

(57) Abstract :
A rotatable assembling device for tool magazine which is adapted to be installed with a tool magazine is disclosed. The rotatable assembling device for tool magazine includes a stage, a rotating shaft, a power source, a turntable and a positioning member. Wherein, the rotating shaft penetrates through a top portion of the stage and is capable of engaging with the tool magazine; the power source is adapted to provide power for rotating the rotating shaft; the turntable is engaged with the rotating shaft in a rotatable manner; the positioning member is operable to move to contact the turntable via one end to lock the turntable. Whereby, by controlling a rotation of the rotating shaft to change an orientation of the tool magazine, it enables a worker to assemble the tool magazine easily. Figure 1 on sheet no. 1 of the drawings may accompany the abstract when published.

No. of Pages : 22 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/02/2015

(21) Application No.534/DEL/2015 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ARMOUR

(51) International classification :F41H5/04
(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)RAVI KANT RASGANIA
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(72)**Name of Inventor :**
1)RAVI KANT RASGANIA

(57) Abstract :
The device ARMOUR is very useful for coverage or protected of the mobile or hands use items. The devise is working properly automatically whole body cover before the any part of touch or hands free. The device protects whole body before the damage process. Every year, Lacks over mobile or hands device user damage his mobile or hands equipments fall down. These ARMOUR devices are coverage the whole item or protect the whole body before fall down and fully safety and carefully work. It may sound funny, but on such occurrences one finds himself answering questions about his own silliness about the fact.

No. of Pages : 9 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022337 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : HIGHER-LEVEL CLOCK AND DATA RECOVERY (CDR) IN PASSIVE OPTICAL NETWORKS (PONS)

(51) International classification :H04B10/40
(31) Priority Document No :15/378362
(32) Priority Date :14/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CN2017/114818
Filing Date :06/12/2017
(87) International Publication No :WO 2018/108008
(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)HUAWEI TECHNOLOGIES CO., LTD.
Address of Applicant :Huawei Administration Building, Bantian, Longgang District Shenzhen, Guangdong 518129 China
(72)**Name of Inventor :**
1)YAO, Shuchang
2)ZHOU, Lei
3)TAO, Minghui
4)LIU, Xiang
5)EFFENBERGER, Frank

(57) Abstract :
An apparatus comprises : a CDR sub-system comprising : an FFE; a decision component coupled to the FFE; a subtractor coupled to the FFE and the decision component; and a tap weight updater coupled to the subtractor and the FFE; and a PR-MLSE component coupled to the CDR sub-system. A method comprises : converting an optical signal with a first modulation format to an analog electrical signal; converting the analog electrical signal to a first digital signal; equalizing the first digital signal into a second digital signal with a second modulation format, wherein the second modulation format has more levels than the first modulation format; and performing CDR on the second digital signal.

No. of Pages : 19 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022339 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CONTROL DEVICE

(51) International classification :F02N11/08F02N11/00
(31) Priority Document No :2016-237043
(32) Priority Date :06/12/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/040009
Filing Date :07/11/2017
(87) International Publication No :WO 2018/105288
(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)BOSCH CORPORATION
Address of Applicant :6-7, Shibuya 3-chome, Shibuya-ku, Tokyo 1508360 Japan
(72)**Name of Inventor :**
1)ITO Yasushi
2)OKADA Ryotaro

(57) Abstract :
The purpose of the present invention is to achieve a more preferable mode of starter operation control for starting an internal combustion engine by utilizing a control signal supplied from another unit. The control device is provided with: an input terminal (P11) to which a first signal is supplied from another unit; a drive circuit (110); and a diode (D21) connected so that the first signal is supplied from the input terminal (P11) to the input side of the drive circuit (110). The drive circuit (110) supplies a second signal to a starter relay (210) on the basis of the input first signal to drive the starter relay.

No. of Pages : 22 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2019

(21) Application No.201917022340 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : APPARATUS AND METHOD FOR UNCLOGGING A FILTER OF A PUMPING GROUP FOR PUMPING DIESEL TO AN INTERNAL COMBUSTION ENGINE

(51) International classification	:F02M59/34F02M37/22F02M31/125
(31) Priority Document No	:102016000123932
(32) Priority Date	:06/12/2016
(33) Name of priority country	:Italy
(86) International Application No Filing Date	:PCT/EP2017/081491 :05/12/2017
(87) International Publication No	:WO 2018/104290
(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)ROBERT BOSCH GMBH
Address of Applicant :Postfach 30 02 20 70442 Stuttgart Germany
(72)**Name of Inventor :**
1)DE CARLO, Pietro
2)MEDORO, Nello

(57) Abstract :
Unclogging group for unclogging a filter of a pumping group for pumping diesel to an internal combustion engine, the unclogging group (1) comprising: - a metering unit (2) supplied by diesel leaving a low pressure pump and configured for feeding in a controlled manner the diesel to a high pressure pump; the metering unit (2) comprising an electromagnetic head (4) provided with a coil (6)and a control valve (5) for controlling the diesel flow; - a filter (30) associated with the control valve (5); - a temperature sensor (34) for measuring the ambient temperature; -a control unit (31) coupled at one side to the temperature sensor (34) and at another side to the coil (6); wherein the control unit (31) is configured so that once it has received the starting input of the pumping group it compares the temperature measured by the temperature sensor (34) with a threshold value,and if the temperature measured by the temperature sensor (34) is less than the threshold value the control unit (31) commands a delay of the starting of the pumping group of a period wherein the control unit (31) supplies electrical current to the coil (6).

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/01/2018
(21) Application No.201821001578 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A TIME-BASED SEMI-QUANTITATIVE AND QUANTITATIVE LATERAL FLOW ASSAY (LFA) FOR EARLY DETECTION OF RENAL INJURY

(51) International classification	:G01N 33/558
(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)KUNAL SHUKLA
2)SANTOSH SHRINIWAS GURRAM
3)MOHAN SINGH
4)RASHMI TAMBE SHUKLA

(57) Abstract :
ABSTRACT A TIME-BASED SEMI-QUANTITATIVE AND QUANTITATIVE LATERAL FLOW ASSAY (LFA) FOR EARLY DETECTION OF RENAL INJURY The present invention provides a point of care test which works on a gold colloidal lateral flow assay (LFA) that detects the concentration of the analyte such as NGAL using gold-conjugated anti-analyte antibody. The LFA of the present invention detects the renal injury at early stages. This analysis is time-based, as well as multi-test line or multi-concentration based or color intensity-time relation feature based, and does not use any specific make analyzer/reader instrument for its working.

No. of Pages : 29 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/01/2018

(21) Application No.201821001667 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : MARINE CYLINDER LUBRICANT FOR SCUFFING CONTROL

(51) International classification	:C10M 163/00 C10M 169/00	(71)**Name of Applicant :** **1)Indian Oil Corporation Limited** Address of Applicant :G-9, Ali Yavar Jung Marg, Bandra (East), Mumbai-400 051, India Maharashtra India
(31) Priority Document No	:NA	(72)**Name of Inventor :**
(32) Priority Date	:NA	**1)RAMASWAMY, Ramanathan**
(33) Name of priority country	:NA	**2)BATHLA, Verinder Kumar**
(86) International Application No	:NA	**3)GARG, Sarita**
Filing Date	:NA	**4)RAMAKUMAR, Sankara Sri Venkata**
(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 discloses a Marine Cylinder Lubricant composition which has base number of 5-150 BN suitable for engines firing with fuels with sulfur content in the range of 2- 5 % (0.1-5%) and for ships running under slow steaming conditions with cylinder feed rate varying from in the range of 0.2-0.6 gm/bhp-hr. More particularly, the present invention relates to a marine cylinder lubricant composition comprising Group I base oil, detergent, dispersant, ashless antiwear, metal deactivator; film forming agent, and pour point depressant.

No. of Pages : 25 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/01/2018
(21) Application No.201821001685 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SYSTEMS AND METHODS FOR AUTOMATED INFERENCING OF CHANGES IN SPATIO-TEMPORAL IMAGES

(51) International classification	:G06T 7/00 G06T 7/38
(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 :**
1)Tata Consultancy Services Limited
Address of Applicant :Nirmal Building, 9th Floor, Nariman Point, Mumbai 400021, Maharashtra, India Maharashtra India
(72)**Name of Inventor :**
1)BHATT, Prakruti Vinodchandra
2)SARANGI, Sanat
3)PAPPULA, Srinivasu

(57) Abstract :
The present disclosure address the technical problem of enabling automated inferencing of changes in spatio-temporal images by leveraging the high level robust features extracted from a Convolutional Neural Network (CNN) trained on varied contexts instead of data dependent feature methods. Unsupervised clustering on the high level features eliminates the cumbersome requirement of labeling the images. Since models are not trained on any specific context, any image may be accepted. Real time inferencing is enabled by a certain combination of unsupervised clustering and supervised classification. A cloud-edge topology ensures real time inferencing even when connectivity is not available by ensuring updated classification models are deployed on the edge. Creating a knowledge ontology based on adaptive learning enables inferencing of an incoming image with varying levels of precision. Precision farming may be an application of the present disclosure.

No. of Pages : 37 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/01/2018
(21) Application No.201821001716 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : AMBIENT TEMPERATURE CURABLE NON-ISOCYANATE POLYHYDROXYALKYLURETHANE MOIETIES WITH ALDEHYDE CROSS LINKER

(51) International classification	:C08G 8/04 C08G 16/02 C08G 10/02
(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 :**
1)Asian Paints Ltd.
Address of Applicant :6A Shantinagar Santacruz (E) Mumbai Maharashtra India 400 055 Maharashtra India
(72)**Name of Inventor :**
1)Dr.SHAIK ALLAUDDIN
2)Mr.KIRAN KUMAR NEHETE
3)Dr. SUBARNA SHYAMROY
4)Dr. B P MALLIK

(57) Abstract :
Abstract Title: Ambient temperature curable non-isocyanate polyhydroxyalkylurethane moieties with Aldehyde Cross linker Ambient cured hydroxyl non-isocyanate polyurethane (HNIPU) based coating or curable formulations thereof is provided comprising: (i) a binder base comprising ambient temperature curable hydroxyl urethane oligomer and/or polymer (HNIPU) binder of selective amine hydrogen equivalent weight in the range of 400€1600 and having n=2,˜n€™ being the number of hydroxyurethane repeat units in said oligomer and/or polymer, (ii) hardener comprisingm€ • number of aldehyde and/ or ketone functionalities,m€ • being =1, adapted for said ambient cured hydroxyl non-isocyanate polyurethane (HNIPU) based coating having a reaction product of said (i) and (ii) such thatm+n€ • =4 in said reaction product. A process for preparation of said coating or curable formulations thereof is also provided involving aldehyde and/ or ketone functionality based hardening/ cross linking at room temperature for ambient curing and film forming. Further, a method of delivering ambient cured hydroxyl non-isocyanate polyurethane (HNIPU) based coating and/ or curable formulations thereof is also provided preferably on a substrate wherein said coats/films attained are found to have improved drying and performance properties.

No. of Pages : 49 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201821001829 A
(19) INDIA
(22) Date of filing of Application :16/01/2018
(43) Publication Date : 19/07/2019

(54) Title of the invention : A SWEETENER PREMIX COMPOSITION AND A PROCESS OF PREPARATION THEREOF

(51) International classification	:A23L 27/00 A23L 2/60	(71)**Name of Applicant :** **1)TATA CHEMICALS LIMITED** Address of Applicant :BOMBAY HOUSE, 24 HOMI MODI STREET, MUMBAI Maharashtra India
(31) Priority Document No	:NA	(72)**Name of Inventor :** **1)VENKATESAN MALATHY**
(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 :
ABSTRACT A SWEETENER PREMIX COMPOSITION AND A PROCESS OF PREPARATION THEREOF A sweetener premix composition and the method of producing same is disclosed. The sweetener composition comprises; 60% to 95% by weight of stevia; 2% to 30% by weight of a prebiotic sweetener; 0.5% to 10% by weight of a compound selected from silica, sodium silicate, sodium meta silicate and combinations thereof; 0.5% to 10% by weight of a salt selected from sodium acetate, sodium carbonate, sodium bicarbonate and combinations thereof with respect to the total weight of the composition.

No. of Pages : 25 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/01/2018

(21) Application No.201821001853 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A CATALYST COMPOSITION FOR DELIGNIFICATION OF BIOMASS, AND USES THEREOF

(51) International classification	:A61K 45/06
(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 :Petroleum House, 17 Jamshedji Tata Road, Churchgate, Mumbai, Maharashtra 400020, India
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(72)**Name of Inventor :**
1)VELANKAR, Harshad, Ravindra
2)MATTAM, Anu, Jose
3)THULLURI, Chiranjeevi
4)RAO, Peddy, Venkata Chalapathi
5)GANDHAM, Sriganesh

(57) Abstract :
The present disclosure discloses a catalyst composition comprising at least one mineral acid, at least one acidic component selected from a group consisting of Lewis acid, phenol, guaiacol, and combinations thereof, wherein the at least one mineral acid to the at least one additive w/w ratio in said composition is in the range of 1:8 to 1:0.016. The present disclosure also discloses a catalyst composition comprising Lewis acid as the acidic component. The process for preparing the catalyst composition of the present disclosure has also been provided herewith. Further, a process for de-lignification of a lignocellulosic biomass using the catalyst composition of the present disclosure has been disclosed in the present disclosure. The process as disclosed leads to removal of lignin in a range of 40%-60% from the lignocellulosic biomass.

No. of Pages : 45 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/01/2018

(21) Application No.201821001855 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : COLD FORMING MACHINE

(51) International classification	:C21D 1/00 C21D 9/00	(71)**Name of Applicant :** **1)TAL MANUFACTURING SOLUTIONS LIMITED** Address of Applicant :PDO Building, Tata Motors Campus, Chinchwad Pune, India Maharashtra India
(31) Priority Document No	:NA	(72)**Name of Inventor :**
(32) Priority Date	:NA	**1)KULKARNI, Rhishikesh**
(33) Name of priority country	:NA	**2)KHOT, Sanjay**
(86) International Application No	:NA	**3)NISHANKAR, Anurag**
Filing Date	:NA	**4)CHAVAN, Ajaykumar A.**
(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 subject matter relates to a cold forming machine (100). The cold forming machine (100) comprises a driver master roller (110), a first driven side roller (112), a second driven side roller (202) and a driven clamping roller (114). The driver master roller (110), the first driven side roller (112), the second driven side roller (202) and the driven clamping roller (114) are made up of case hardened steel.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/01/2018
(21) Application No.201821001880 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : COMPACT AUTOMATIC FOOD DRYER AND METHOD OF USE THEREOF

(51) International classification	:B28B 21/24 B28B 21/10
(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 :**
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(72)**Name of Inventor :**
1)VADDE VINAY KUMAR REDDY
2)GUPTA NITIN
3)KUSHWAHA ANKUR
4)PATEL ISHIT SURESHBHAI

(57) Abstract :
COMPACT AUTOMATIC FOOD DRYER AND METHOD OF USE THEREOF The invention discloses a compact automatic food dryer programmed for multiple food items wherein the sample is placed within drying compartment over a sliding tray suspended with a mechanical weight transfer means and connected to a load cell. A flexible diaphragm used between drying compartment and mechanical transfer means restricts the escaping of hot air from drying compartment. As per initial temperature of compartment by sensor, duty cycle of heater element is varied by microcontroller. Measured weight is continuously transferred to a load cell placed outside the drying compartment which converts sample weight into appropriate analog voltage and communicated to a microcontroller. Appropriate algorithm is carefully embedded in the console of microcontroller to detect the completion of drying when the measured percentage weight loss matches with the preprogrammed value within microcontroller.

No. of Pages : 22 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201821001227 A
(19) INDIA
(22) Date of filing of Application :11/01/2018
(43) Publication Date : 19/07/2019

(54) Title of the invention : ORIGAMI-CONCEPT ANTENNA

(51) International classification :H04L 29/00
(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)SHOBHIT K. PATEL
3)VISHAL SORATHIYA
4)MEDHAVI KOSTA
5)FORAM RAJDEV
(72)**Name of Inventor :**
1)YOGESHWAR P. KOSTA
2)SHOBHIT K. PATEL
3)VISHAL SORATHIYA
4)MEDHAVI KOSTA
5)FORAM RAJDEV

(57) Abstract :
The definition of origami according to Japanese is the art of folding paper into different decorative shapes. Having the concept of origami our endeavour is to apply certain smart memory alloys (solid state material) in structure of antenna for reconfigurable radiating structure that will enable the reliable application.

No. of Pages : 5 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/01/2018

(21) Application No.201821001295 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SYSTEMS AND METHODS FOR SCALABLE MULTI-VEHICLE TASK ALLOCATION

(51) International classification	:H04L 12/927 H04L 12/917	(71)**Name of Applicant :** **1)Tata Consultancy Services Limited** Address of Applicant :Nirmal Building, 9th Floor, Nariman Point, Mumbai 400021, Maharashtra, India Maharashtra India
(31) Priority Document No	:NA	(72)**Name of Inventor :**
(32) Priority Date	:NA	**1)SARKAR, Chayan**
(33) Name of priority country	:NA	**2)PAUL, Himadri Sekhar**
(86) International Application No	:NA	**3)PAL, Arindam**
Filing Date	:NA	**4)MUKHERJEE, Arijit**
(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 :
Systems and methods of the present disclosure address the capacity constrained vehicle routing (CVRP) problem that may be applied to a warehouse scenario wherein multi-robot task allocation is required. Conventional methods can solve CVRP instances up to 100 nodes. In the present disclosure, a nearest-neighbor based Clustering And Routing (nCAR) approach is provided that makes the systems and methods of the present disclosure scalable wherein the number of nodes can be in the range of several hundreds to several thousands within an order wave.

No. of Pages : 31 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/01/2018

(21) Application No.201821001314 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DETACHABLE HUMAN MACHINE INTERFACE

(51) International classification	:H03K 19/00 H02S 50/00	(71)**Name of Applicant :** **1)Larsen & Toubro Limited** Address of Applicant :L&T House, Ballard Estate, P.O Box No. 278, Mumbai- 400001, Maharashtra, India. Maharashtra India
(31) Priority Document No	:NA	(72)**Name of Inventor :**
(32) Priority Date	:NA	**1)DINESH, Bharada**
(33) Name of priority country	:NA	**2)CHAUDHARY, Mukeshkumar**
(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 :
A human machine interface (HMI) that is configured with a detachable interface for both power supply and signals, enabling the HMI to be easily detached from the equipment it controls and attached to another equipment is disclosed. The HMI draws power from the equipment it controls for its operation, thereby eliminating switching and noise related issues. It uses Modbus RTU communication protocol, with RJ485 as physical communication layer and can control a plurality of equipments spread over a large distance using a master-slave configuration. It uses TTL logic circuit or differential transceiver circuit as its communication module. Further, the HMI is configured with a user friendly software for its operation.

No. of Pages : 21 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/01/2018

(21) Application No.201821001361 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A SOLAR CONCENTRATOR HAVING GANGED HELIOSTATS POSITIONED ON A ROTATING PLATFORM

(51) International classification	:H01L 31/054
(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)RAVINDRA KRISHNAJI PATWARDHAN
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(72)**Name of Inventor :**
1)RAVINDRA KRISHNAJI PATWARDHAN

(57) Abstract :
A solar concentrator having ganged heliostats positioned on a rotating platform relates to a system of concentrating and harvesting solar energy, wherein a plurality of parallel reflecting units are positioned on a rotating platform that is rotatable about its vertical axis. Each reflecting unit contains an array of mechanically connected heliostats (ganged heliostats). The array of mechanically connected heliostats is synchronously maneuverable in a horizontal axis for tracking a changed elevational position of the sun in the sky by a common positioning mechanism. A star symbol, located on the circumferential steel ring of the rotating platform, is placed at the middle of the equispaced parallel reflecting units. For azimuthal solar tracking, the rotating platform is periodically rotated such that said star symbol always remains exactly opposite to the position of the sun with respect to a central receiver.

No. of Pages : 41 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/01/2018
(21) Application No.201821001411 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SYNTHESIS OF ESTERS OF CYANOACETIC ACID AND THEIR CHARACTERIZATION AS MESOMORPHIC COMPOUNDS.

(51) International classification	:C07C 255/00 C09K 19/00	(71)**Name of Applicant :** **1)DR. M. M. V. RAMANA** Address of Applicant :DEPARTMENT OF CHEMISTRY, UNIVERSITY OF MUMBAI, VIDYANAGARI, SANTACRUZ (EAST), MUMBAI-400 098, MAHARASHTRA, INDIA. Maharashtra India
(31) Priority Document No	:NA	**2)PUSHPA KUMARI YADAV**
(32) Priority Date	:NA	**3)SHEETAL VENKATESH**
(33) Name of priority country	:NA	(72)**Name of Inventor :**
(86) International Application No	:NA	**1)DR. M. M. V. RAMANA**
Filing Date	:NA	**2)PUSHPA KUMARI YADAV**
(87) International Publication No	: NA	**3)SHEETAL VENKATESH**
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
7. ABSTRACT OF THE INVENTION: The present invention relates to the preparation of esters of cyanoacetic acid and their characterization as mesomorphic compounds.

No. of Pages : 12 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/01/2018

(21) Application No.201821001416 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SYSTEM AND PROTOCOL FOR INTEGRATING MULTIPLE SERVICE PROVIDERS ACROSS VARIOUS DOMAINS USING A PLATFORM

(51) International classification	:G02F 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)Tata Consultancy Services Limited
Address of Applicant :Nirmal Building, 9th Floor, Nariman Point, Mumbai 400021, Maharashtra, India Maharashtra India
(72)**Name of Inventor :**
1)SHAH, Viral Prakash
2)TANDON, Gaurav
3)SHUKLA, Mohit
4)SHANKER, Jai

(57) Abstract :
A system and protocol for integrating a plurality of service providers across a plurality of domains with an application using a hosted platform have been described. The system involves registration of metadata corresponding to the service providers, their services, their types and their set of parameters. When a new integrating application is provided, then it also includes a wrapper protocol. The wrapper protocol includes six predefined methods. The hosted platform in turn can execute the request of theintegrating application€ • by internally connecting with the plurality of service providers across a plurality of domains and provide the output in a standard format. Since the wrapper protocol standardizes the format of communication (input & output), hence it reduces effort substantially at the end of the integrating application. The ability of the platform to increase the list of service providers is augmented as it relies on metadata for request generation and invocation.

No. of Pages : 24 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/01/2018

(21) Application No.201821001477 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : THERMAL MANAGEMENT OF BUILDING USING ENCAPSULATED PHASE CHANGE MATERIAL BASED HEAT EXCHANGER

(51) International classification	:E04B 1/74	(71)**Name of Applicant :** **1)INDIAN INSTITUTE OF TECHNOLOGY BOMBAY** Address of Applicant :INDIAN INSTITUTE OF TECHNOLOGY BOMBAY, POWAI, MUMBAI 400 076, MAHARASHTRA, INDIA Maharashtra 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 :**
Filing Date	:NA	**1)Garg Himanshu**
(87) International Publication No	: NA	**2)Pandey Brijesh**
(61) Patent of Addition to Application Number	:NA	**3)Saha Sandip K**
Filing Date	:NA	**4)Singh Suneet**
(62) Divisional to Application Number	:NA	**5)Banerjee Rangan**
Filing Date	:NA	

(57) Abstract :
An encapsulated phase change material based heat exchanger (100) is disclosed, comprising a container (110). Further a phase change material (PCM) (120) is encapsulated within said container (110). At least one tube (130) within said container (110) passes through the phase change material (120), said at least one tube (130) comprises an inlet (131) and an outlet (132) for a working fluid and provides a path for transferring heat energy through the encapsulated phase change material (120) to the working fluid. The circulation of working fluid in the at least one tube (130) through the phase change material (120) solidifies the phase change material (PCM) (120) through the heat transfer from the phase change material (120) to the working fluid, and the absorption of heat from air of a space by the phase change material (PCM) (120) melts the phase change material (PCM) (120) through heat transfer between the space and the phase change material (120)

No. of Pages : 24 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/01/2018
(21) Application No.201821001494 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : POLYMERIC BLEND COMPOSITE AND A PROCESS FOR PREPARING THE SAME

(51) International classification	:C08G 18/00 C09G 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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Address of Applicant :B-27/29, M.I.D.C. Dombivali - East, Thane, Mumbai Maharashtra INDIA 421203 Maharashtra India
(72)**Name of Inventor :**
1)KAPADIA, Aditi S
2)TRIVEDI, Prakash D
3)PATIL, Amol T
4)BHATTACHARYYA, Arup R

(57) Abstract :
The present disclosure relates to a polymeric blend composite comprising Poly Ether Ketone/Poly-(2,5-Benzimidazole) containing Multi walled carbon nanotubes (MWCNTs) between 0.5 to 5 wt% were melt processed on a twin-screw extruder and granules so obtained were injection molded to determine heat deflection temperatures (HDTs) of these composites and storage modulus using DMA. It was found that HDT and storage Modulus for so produced reinforced blends were unexpectedly extremely high as compared to PEK/ABPBI blends without MWCNTs.

No. of Pages : 26 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/01/2018
(21) Application No.201821001496 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : AUTOMATIC RESCUE DEVICE FOR JERK-LESS RESCUE OPERATION

(51) International classification	:B66B 5/02
(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 :**
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Address of Applicant :INDITECH ELECTROSYSTEMS PVT. LTD., S. No 6/3A, Deshmukhwadi, Shivane, NDA Road, Pune 411023, Maharashtra India
(72)**Name of Inventor :**
1)Vijay Padmakar Badhe

(57) Abstract :
The present invention provides an automatic rescue device (100) for jerk-less operation of an elevator control panel (200) in case of power failure. The device (100) is powered with three phase mains supply. The device (100) provides three phase output to the elevator control panel (200) in normal condition. In case of power failure, the device (100) switches to an inverter (135) and provides two phase power to a switch gear (140). The inverter (135) is connected to a power supply and sensing circuit unit (170). The power supply and sensing circuit unit (170) is adapted to sense the power failure in each of the phases of the three phase input is connected to a switch gear (140). Figure of Abstract : Fig. 1

No. of Pages : 12 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/01/2018
(21) Application No.201821001905 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CRYSTALLINE SOLID FORM OF SACUBITRIL SODIUM, SACUBITRIL AND PROCESS FOR THE PREPARATION THEREOF

(51) International classification	:A61K 31/47	(71)**Name of Applicant :** **1)UNICHEM LABORATORIES LIMITED** Address of Applicant :UNICHEM BHAVAN, PRABHAT ESTATE OFF. S. V. ROAD, JOGESHWARI (W), MUMBAI 400102, MAHARASHTRA, INDIA. Maharashtra 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 :**
Filing Date	:NA	**1)DHANANJAY G. SATHE**
(87) International Publication No	: NA	**2)ARIJIT DAS**
(61) Patent of Addition to Application Number	:NA	**3)VISHAL KULKARNI**
Filing Date	:NA	**4)PRAFULLA BALWANT NAGAWADE**
(62) Divisional to Application Number	:NA	**5)TUSHAR PRABHAKAR PATIL**
Filing Date	:NA	

(57) Abstract :
ABSTRACT: The present invention relates to crystalline solid form of sacubitril, sacubitril sodium and process for the preparation thereof.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201821001920 A
(19) INDIA
(22) Date of filing of Application :17/01/2018
(43) Publication Date : 19/07/2019

(54) Title of the invention : A 3-D GRAPHENE HYDROGEL AND PROCESS OF MANUFACTURING THE SAME

(51) International classification	:B29C 64/40 B29C 64/147	(71)**Name of Applicant :** **1)Indian Institute of Technology Bombay** Address of Applicant :Powai, Mumbai 400076 Maharashtra India
(31) Priority Document No	:NA	(72)**Name of Inventor :**
(32) Priority Date	:NA	**1)Juvekar Vinaykumar Anant**
(33) Name of priority country	:NA	**2)Ganesan Manimegalai**
(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 :
ABSTRACT A 3-D graphene hydrogel and process of manufacturing the same The present invention relates to a three-dimensional graphene (3D) hydrogel with high specific surface area. The present invention also relates to a process for manufacturing 3D graphene hydrogel with high specific surface area, high porosity and stretched leaf-like reduced graphene oxide sheets. This process prevents crumbling and agglomeration and thereby increases the specific surface area and the porosity of the resulting hydrogel.

No. of Pages : 18 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/01/2018
(21) Application No.201821001921 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : TRIPLE ACTION CONCOCTION FOR THE COMPLETE POSTOPERATIVE MANAGEMENT AFTER PARTIAL OR TOTAL KNEE REPLACEMENT AND PROCESS FOR PREPARATION THEREOF

(51) International classification	:A61K 9/70
(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

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)Srivastava Rohit
2)Pawar Vaishali Pundlik
3)Mullaji Arun
4)Shetty Gautam

(57) Abstract :
The present invention relates to a drug delivery system comprising a stack of five layered polymer films and a drug loaded into each of the five layered polymer films. The polymer film having a size in the range of 2 mm to 5 mm. The drug delivery system of the present invention is used for the management of post¬operative complications such as pain, infection, inflammation and uncontrolled bleeding.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/01/2018

(21) Application No.201821001941 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : IMPROVED PROCESS FOR THE PREPARATION OF PYRACLOSTROBIN

(51) International classification	:A01N 47/00 A01N 59/00
(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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(72)**Name of Inventor :**
1)GUJRAL, Ajit Singh
2)SHAH, Kenal V.
3)SHAH, Bhavesh V.
4)KADAM, Subhash Rajaram
5)JANI, Nilesh N.
6)SHINDE, Ravindra Y.

(57) Abstract :
The present invention relates to a novel and improved process for preparation of methyl [2-({[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy}methyl)phenyl]methoxycarbamate (Pyraclostrobin)of formula (I) in free form or in agrochemically acceptable salt form useful as a pest control agent starting from methyl [2-({[1-(4-chlorophenyl)-1-H-pyrazol-3-yl]oxy}methyl)phenyl]hydroxycarbamatein simple manner and in high purity and good yield.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/01/2018
(21) Application No.201821001972 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : PHOSPHORUS PENTOXIDE AS AN EFFECTIVE COUPLING REAGENT FOR SYNTHESIS OF AMIDES

(51) International classification	:C01B 25/023 C01B 25/027	(71)**Name of Applicant :** **1)Indian Institute of Technology Bombay** Address of Applicant :Indian Institute of Technology Bombay, Powai, Mumbai-400076, Maharashtra, India Maharashtra India **2)Indian Institute of Technology Madras**
(31) Priority Document No	:NA	
(32) Priority Date	:NA	(72)**Name of Inventor :**
(33) Name of priority country	:NA	**1)Nandita Madhavan**
(86) International Application No	:NA	**2)Venkataramana Erapalapati**
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 coupling agent, wherein phosphorus pentoxide acts as a coupling agent for synthesis of amides from acids and amines, thereby resulting in minimal racemization, wherein the formation of organic by-products is minimal and isolation of the desired product is easy and simple. Further phosphorus pentoxide is preferably selected since it is cheap, efficient, non-toxic and non-carcinogenic in nature, when used as a coupling agent during amide synthesis. Also the fact that P2O5 is extremely cheap and the separation of the product are very simple makes it an extremely attractive reagent for peptide synthesis

No. of Pages : 28 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/01/2018

(21) Application No.201821002085 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : AN EXTENDED RELEASE MELATONIN SOLID PREPARATION

(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

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)Patel Malay
2)Patel Nilesh
3)Mandal Jayanta Kumar

(57) Abstract :
ABSTRACT AN EXTENDED RELEASE MELATONIN SOLID PREPARATION The present invention is related to the extended release Melatonin preparation preferably a dry powder comprising extended release pellets of Melatonin and one or more pharmaceutically acceptable excipients selected from the group comprising of fillers, binders, diluents, rate controlling polymers etc. and extra granular material essentially comprising of viscosity modifying agents and one or more other pharmaceutically acceptable excipients selected from the group comprising of disintegrants, binders, colorants and diluents.

No. of Pages : 33 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2018

(21) Application No.201824023407 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : APPLICATION LOADING METHOD, DEVICE, AND USER TERMINAL

(51) International classification :G06F 9/445
(31) Priority Document No :201710515088.4
(32) Priority Date :30/06/2017
(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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Address of Applicant :#02 Unit, 12 Floor,B Tower, Guangdianpingyun Plaza No.163, Xipingyun Road, Huangpu Avenue, Tianhe District Guangzhou City, Guangdong , China. China
(72)**Name of Inventor :**
1)HUANG, Yinfeng

(57) Abstract :
An application loading method, device, and user terminal are provided. The method includes in response to a function enabling instruction, matching a corresponding independent functional component of an application. The application is packaged in advance to include a plurality of different functional components based on differences in functions to be implemented, and the plurality of different functional components include the independent functional component. The method also includes obtaining an executable file corresponding to the independent functional component. Further, the method includes loading the executable file corresponding to the independent functional component.

No. of Pages : 34 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/06/2018

(21) Application No.201824023991 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD FOR PROVIDING ELECTRIC POWER TO AN INTERFACE CARD AND SAFE STATE CONTROLLER

(51) International classification	:H04N 21/443
(31) Priority Document No	:17179045.4
(32) Priority Date	:30/06/2017
(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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Address of Applicant :Riedstrae 12, CH-8953 Dietikon, Switzerland. Switzerland
(72)**Name of Inventor :**
1)NAIR, Ragesh
2)KNAUS, Marco
3)RATAJSKI, Michal
4)LEUENBERGER, David
5)ROBERT, Marc

(57) Abstract :
The invention relates to a method for controlling electric power provided to an interface card (2), the interface card (2) connecting one or more host devices (3) to one or more network devices (4) within a communication network, the method comprising: a) providing a connecting device (5) which in a normal operation mode connects the interface card (2) to a power source (6) thereby providing electrical power to the interface card (2); b) providing a failure detection unit (7a; 7b), the failure detection unit (7a; 7b) being at feast indirectly linked to the connecting device (5); c) upon detection of a low severity failure and/or a high severity failure by the failure detection unit (7a; 7b), the connecting device (5) is changing to a safe state mode in which the connecting device (5} cuts off the power source (6) from the interface card (2). The invention further relates to a corresponding safe state controller (1). Figure 1 is the representative figure.

No. of Pages : 29 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/07/2018

(21) Application No.201824025297 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SECONDARY BATTERY PROTECTION CIRCUIT, SECONDARY BATTERY PROTECTION INTEGRATED CIRCUIT, AND BATTERY PACK

(51) International classification	:H02J 7/00
(31) Priority Document No	:2017-138567
(32) Priority Date	:14/07/2017
(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)Yoshihiro MOTOICHI
2)Iwao KITAMURA

(57) Abstract :
A secondary battery protection circuit for protecting a secondary battery with multiple connected-in-parallel cells, includes a charging fault detection unit for each cell for prohibiting charging of the corresponding cell when overcharging and/or charging over-current for the corresponding cell is detected; a charging control element for each cell for cutting off a charging path for the corresponding cell when the charging of the corresponding cell is prohibited; a detection resistor for each cell inserted in series in the charging path; and a balance control unit for, in order to balance a first charging current flowing in a first charging path for a first cell with a second charging current flowing in a second charging path for a second cell, controlling a difference between the first and second charging currents in a saturation region of the charging control element based on a detection voltage generated by the detection resistor.

No. of Pages : 73 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/07/2018

(21) Application No.201824025453 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : POLARIZATION DIELECTRIC DISCHARGE SOURCE FOR IMS INSTRUMENT

(51) International classification	:G01N 30/64
(31) Priority Document No	:2,972,600
(32) Priority Date	:07/07/2017
(33) Name of priority country	:Canada
(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)NACSON, Sabatino

(57) Abstract :
An IMS ionizer comprising a wire, a second conductor, and a dielectric, when the first conductor and second conductor are energized to an ionization voltage, discharge ionization occurs. The dielectric is a glass element formed in a tubular shape defining an inner wall. The wire is formed in coils in contact with said inner wall. The second conductor is positioned to define an outer wall of the tube. The tube has an inlet end for receiving the sample, and an outlet end through which the sample exits after ionization.

No. of Pages : 17 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/11/2018

(21) Application No.201824045147 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD OF MAKING LED LIGHT BULB WITH THERMAL RADIATION FILAMENTS

(51) International classification :F21K9/90
(31) Priority Document No :15/874,343
(32) Priority Date :18/01/2018
(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)BGT MATERIALS LIMITED
Address of Applicant :2.312 Photon Science Institute University of Manchester, Oxford Road Manchester M13 9PL U.K.
(72)**Name of Inventor :**
1)CHUNG-PING LAI

(57) Abstract :
A method of making a LED light bulb with thermal radiation filaments contains steps of: A. providing a substrate which includes multiple conductive portions formed on two ends of the substrate respectively so as to electrically connect with an electronic circuit; B. molding LED chips, wires, and phosphors on a front face of the substrate so as to produce a LED filament sheet; C. forming a thermal radiation dissipation film on a back face of the substrate before or after producing the LED filament sheet; D. cutting the substrate into the thermal radiation filaments, wherein each of the thermal radiation filaments has a part of the thermal radiation dissipation film, a part of the LED filament sheet, and parts of the multiple conductive portions respectively; and E. fixing the thermal radiation filaments into the LED light bulb.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/12/2018

(21) Application No.201824048003 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : STORAGE DEVICE STORING DATA IN ORDER BASED ON BARRIER COMMAND

(51) International classification :G06F 3/00
(31) Priority Document No :62/616,718
(32) Priority Date :12/01/2018
(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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(72)**Name of Inventor :**
1)JooYoung HWANG

(57) Abstract :
A method of programming data to a storage device including a nonvolatile memory device includes receiving first to third barrier commands from a host, receiving first to third data corresponding to the first to third barrier commands from the host, merging the first and second barrier commands and programming the first and second data to the nonvolatile memory device sequentially based on an order of the first and second barrier commands, verifying program completion of both the first and second data, mapping in mapping information of the first and second data when the programming of the first and second data is completed, and mapping out the information of both the first and second data when the programming of at least one of the first and second data is not complete, and programming the third data to the nonvolatile memory device after the mapping in or the mapping out.

No. of Pages : 68 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/10/2018

(21) Application No.201827039669 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD AND APPARATUS FOR BEAMFORMING IN MOBILE COMMUNICATION SYSTEM

(51) International classification :H04B7/06H04B7/04
(31) Priority Document No :10-2016-0050707
(32) Priority Date :26/04/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2017/004433
Filing Date :26/04/2017
(87) International Publication No :WO 2017/188724
(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)LEE, Myoungwon
2)PARK, Myonghee
3)LEE, Keonwook

(57) Abstract :
The present invention relates to a method and an apparatus for beamforming and more particularly to a method and an apparatus for transmitting a downlink signal by using a two-dimensional active array antenna in a wireless communication system. In order to achieve the objective mentioned above a beamforming method by a base station in a mobile communication system according to one embodiment of the present invention comprises the steps of: receiving an uplink signal from at least one terminal; determining directivity information of a vertical channel of a downlink for the at least one terminal on the basis of the uplink signal; and performing resource scheduling and beamforming for the at least one terminal on the basis of the directivity information of the vertical channel of the downlink and channel state information in a horizontal direction received from the at least one terminal. According to an embodiment of the present invention since a base station can estimate vertical channel information by using an uplink signal it is possible to provide three-dimensional beamforming to terminals even without receiving the vertical channel information directly from the terminals and thus the signal quality of each user can be improved and the efficiency of spatial multiplexing in a cell can be increased to thereby increase the total network capacity.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/12/2018

(21) Application No.201827048424 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : GLOVE DISPENSING CARTRIDGE DISPENSING APPARATUS AND METHOD FOR USE THEREOF

(51) International classification	:A61B42/40A61B42/50A47G25/90
(31) Priority Document No	:2016902108
(32) Priority Date	:01/06/2016
(33) Name of priority country	:Australia
(86) International Application No Filing Date	:PCT/AU2017/050528 :01/06/2017
(87) International Publication No	:WO 2017/205926
(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)BACKHAUS, Stephan
2)ROSEVEAR, Michelle
3)MISCHKULNIG, Ryan
4)BAYLY, Mark

(57) Abstract :
EXTRACTED FROM WIPO- A cartridge for receiving a plurality of adjacent aligned disposable gloves is described the cartridge comprising a base; and a first element being arranged in use for alignment of the finger portions of the plurality of gloves. Furthermore a machine arranged for dispensing a disposable glove is described the machine comprising: an articulated arm arranged in use for contacting and retaining a first part of the glove and for moving said glove from a first position in which the glove is located in a cartridge containing one or more gloves to a second position in which a second part of the said glove is able to be contacted with and retained by an anchoring means to open the cuff to allow a user to don the glove.

No. of Pages : 47 No. of Claims : 93

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/12/2018

(21) Application No.201827048432 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : APPARATUS TO ASSIST A USER WITH HOLDING A MOBILE DEVICE

(51) International classification :A45F5/00H04B1/00
(31) Priority Document No :15/169597
(32) Priority Date :31/05/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/034821
Filing Date :26/05/2017
(87) International Publication No :WO 2017/210136
(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)HIRSCH, Allen

(57) Abstract :
An apparatus that facilitates one-handed use of a mobile device has a finger brace coupled a plurality of flexible lengths. At least one of the flexible lengths is coupled to an intermediate point of the finger brace. Each of the flexible lengths is coupled to the mobile device at its rear-facing back. At least two of the flexible lengths are coupled at opposed ends of the rear-facing back. The length of the flexible lengths and where they are coupled to the brace and mobile device are such that two fingers of the users hand can press against the finger brace on opposed sides of the intermediate point to brace the mobile device when the two fingers are between the finger brace and the mobile device.

No. of Pages : 19 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2018

(21) Application No.201827048491 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : REDUCING OR AVOIDING METAL DEPOSITION FROM ETCHING MAGNETIC TUNNEL JUNCTION (MTJ) DEVICES INCLUDING MAGNETIC RANDOM ACCESS MEMORY (MRAM) DEVICES

(51) International classification :H01L43/08G11C11/16
(31) Priority Document No :62/370929
(32) Priority Date :04/08/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/043021
Filing Date :20/07/2017
(87) International Publication No :WO 2018/026529
(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)PARK, Chando
2)KAN, Jimmy, Jianan
3)KANG, Seung, Hyuk

(57) Abstract :
Aspects disclosed include reducing or avoiding metal deposition from etching magnetic tunnel junction (MTJ) devices. In one example a width of a bottom electrode of an MTJ device is provided to be less than a width of the MTJ stack of the MTJ device. In this manner etching of the bottom electrode may be reduced or avoided to reduce or avoid metal redeposition as a result of over-etching the MTJ device to avoid horizontal shorts between an adjacent device(s). In another example a seed layer is embedded in a bottom electrode of the MTJ device. In this manner the MTJ stack is reduced in height to reduce or avoid metal redeposition as a result of over-etching the MTJ device. In another example an MTJ device includes an embedded seed layer in a bottom electrode which also has a width less than a width of the MTJ stack.

No. of Pages : 29 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2018

(21) Application No.201827048575 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SYSTEMS AND METHODS FOR REDUCING MOTION-TO-PHOTON LATENCY AND MEMORY BANDWIDTH IN A VIRTUAL REALITY SYSTEM

(51) International classification :G06F3/01G06F3/0346G02B27/01
(31) Priority Document No :62/368241
(32) Priority Date :29/07/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/040080
Filing Date :29/06/2017
(87) International Publication No :WO 2018/022250
(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)QUACH, Nhon
2)KHAN, Moinul
3)RIBBLE, Maurice
4)RENSCHLER, Martin
5)TAVAKOLI, Mehrad
6)KULKARNI, Rashmi
7)YUEN, Ricky Wai Kit
8)LEMOINE, Todd

(57) Abstract :
Systems, methods, and computer programs are disclosed for reducing motion-to-photon latency and memory bandwidth in a virtual reality display system. An exemplary method involves receiving sensor data from one or more sensors tracking translational and rotational motion of a user for a virtual reality application. An updated position of the user is computed based on the received sensor data. The speed and acceleration of the user movement may be computed based on the sensor data. The updated position, the speed, and the acceleration may be provided to a warp engine configured to update a rendered image before sending to a virtual reality display based on one or more of the updated position, the speed, and the acceleration. [Fig. 1]

No. of Pages : 13 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/12/2018
(21) Application No.201827047570 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : MECHANISMS FOR SIGNALING OUT-OF-COVERAGE SIDELINK DEVICES IN WIRELESS COMMUNICATION

(51) International classification :H04W76/02H04W72/12
(31) Priority Document No :62/367741
(32) Priority Date :28/07/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/043548
Filing Date :24/07/2017
(87) International Publication No :WO 2018/022518
(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)GUPTA, Piyush
2)LI, Junyi
3)LI, Chong
4)GAAL, Peter

(57) Abstract :
Aspects of the present disclosure provide methods and apparatuses that can provide sidelink grant information to out-of-coverage (OoC) sidelink devices. When one or more sidelink devices are out of a coverage area of a base station an in-coverage device receiving sidelink grant information from the base station can retransmit relay or rebroadcast sidelink grant information to the OoC sidelink devices to enable sidelink communication with the OoC device or facilitate sidelink communication between OoC devices.

No. of Pages : 42 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/12/2018

(21) Application No.201827047634 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ELECTRONIC DEVICE INCLUDING WATERPROOF STRUCTURE

(51) International classification :H04M1/02C08L75/04
(31) Priority Document No :10-2016-0097176
(32) Priority Date :29/07/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2017/006795
Filing Date :28/06/2017
(87) International Publication No :WO 2018/021701
(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, Daehyeong
3)CHOI, Young-Sik
4)YOON, Byoung-Uk

(57) Abstract :
An electronic device including a waterproof structure is provided. The electronic device includes a housing a window arranged in at least a part of the housing a display module arranged in a rear surface of the window a heat radiating member arranged in a rear surface of the display module a polymer member arranged between a first surface of the heat radiating member and the rear surface of the display module and a conductive member arranged in a second surface of the heat radiating member facing the first surface of the heat radiating member. A waterproof structure for the heat radiating member may be configured using at least one of the polymer member or the conductive member.

No. of Pages : 33 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/12/2018

(21) Application No.201827048042 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : COATING AGENTS AND COATINGS PRODUCED THEREFROM WITH IMPROVED RESISTANCE TO SOILING AND (SELF)CLEANING PROPERTIES AND USE THEREOF

(51) International classification :C08G18/67C08G18/73C08G18/75
(31) Priority Document No :16171080.1
(32) Priority Date :24/05/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/062014
Filing Date :18/05/2017
(87) International Publication No :WO 2017/202692
(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)AUSTRUP, Berthold
3)JANSSEN, Andreas

(57) Abstract :
The invention relates to coating agents and coatings produced therefrom with improved resistance to soiling and (self)cleaning properties and use thereof. The claimed invention relates to non-aqueous coating agents containing at least one hydroxyl group-containing compound at least one isocyanate group-containing compound with free or blocked isocyanate groups and silane groups at least one catalyst for cross-linking the silane groups and at least one alkoxysilyl-functional siloxane.

No. of Pages : 45 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/12/2018

(21) Application No.201827048043 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CORE/SHELL CATALYST PARTICLES AND METHOD OF MANUFACTURE

(51) International classification :B01J23/40B01J35/00B01J35/02
(31) Priority Document No :62/341856
(32) Priority Date :26/05/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/031636
Filing Date :09/05/2017
(87) International Publication No :WO 2017/205042
(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)DEEBA, Michel
2)LUO, Tian
3)GU, Yunlong
4)LEUNG, Emi

(57) Abstract :
The invention provides an automotive catalyst composite effective for abating carbon monoxide hydrocarbons and NOx emission in an automotive exhaust gas stream which includes a catalytic material on a carrier the catalytic material including a plurality of core-shell support particles comprising a core and a shell surrounding the core the core including a plurality of particles having a primary particle size distribution d90 of up to about 5 μm wherein the core particles comprise particles of one or more metal oxides the shell including nanoparticles of one or more metal oxides wherein the nanoparticles have a primary particle size distribution d90 in the range of about 5 nm to about 1000 nm (1 μm) and one or more platinum group metals (PGMs) on the core-shell support. The invention also provides an exhaust gas treatment system and related method of treating exhaust gas utilizing the catalyst composite.

No. of Pages : 24 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2018

(21) Application No.201827048628 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ENERGY-GENERATING PUMP

(51) International classification :H02K7/18F01K23/00F01D15/10
(31) Priority Document No :15/194126
(32) Priority Date :27/06/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/063614
Filing Date :23/11/2016
(87) International Publication No :WO 2018/004726
(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)HADDAD, Joseph C.

(57) Abstract :
A pumping apparatus includes a container (11) positioned over a left column (12L) and a right column (12R) that contains a first fluid left and right intake valves (13L 13R) that respectively connect the left and right columns (12L 12r) to the container (11) left and right pumps (14l 14r) respectively associated with the left and right columns (12l 12r) tipper and lower connecting pipes (15u 15l) that connect the left and right columns (12l 12r) below the container (11) a plurality of gates (16lu 16ll 16ru 16rl) positioned at entrances of the upper and lower connecting pipes (15u 151) in each of the left and right columns (12l 12r) a turbine (17m) positioned to be driven by fluid flowing through the upper and lower connecting pipes (15u 151) and a third fluid disposed in the upper and lower connecting pipes (15u 15l) and the left column and a right column (12l 12r).

No. of Pages : 11 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2018

(21) Application No.201827048683 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD AND APPARATUS FOR THE THERMAL TREATMENT OF A SUBSTRATE

(51) International classification :H01J37/32H01L21/67H05B41/32
(31) Priority Document No :10 2016 110 867.7
(32) Priority Date :14/06/2016
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2017/064616
Filing Date :14/06/2017
(87) International Publication No :WO 2017/216262
(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)GROSS, Mascha Elly
(72)**Name of Inventor :**
1)GROSS, Harald

(57) Abstract :
The invention relates to an apparatus (200) for the thermal treatment of substrates. In this case a gas discharge lamp (110) runs in a so-called simmer mode in standby operation. A power supply (280) of constant power can be connected to the gas discharge lamp via a first electronic switch (290). At least one charged capacitor (120) can be connected to the gas discharge lamp via a second electronic switch (170). A thermal treatment of the end side of a substrate with a duration of between 20 milliseconds and 500 milliseconds for example is possible with the aid of the apparatus (200) in a manner governed by light absorption. This time window is of interest in particular for the thermal treatment of coatings having a thickness of 2 to 200 micrometers wherein the temperature of the rear side of the substrate can remain below that of the end side. In addition the temperature on the end side can be significantly increased by the gas discharge lamp (110) being connected to the capacitor (120) via the second electronic switch (170) at the end of the time window.

No. of Pages : 10 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2018

(21) Application No.201827048684 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD AND DEVICE FOR ENCAPSULAING COMPONENTS

(51) International classification :C03C27/00H01L51/52H01L21/56
(31) Priority Document No :10 2016 110 868.5
(32) Priority Date :14/06/2016
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2017/064615
Filing Date :14/06/2017
(87) International Publication No :WO 2017/216261
(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)GROSS, Mascha Elly
(72)**Name of Inventor :**
1)GROSS, Harald

(57) Abstract :
The invention relates to a method and a device for hermetically encapsulating components using at least one gas discharge lamp an inorganic material that is transparent for light and a light-absorbing inorganic medium. With a suitable selection inorganic materials or inorganic media guarantee a very low level of permeability for oxygen water vapour and reactive gases in contrast to organic materials or organic media. The encapsulation occurs in a time period of less than one second. In addition the average temperature of the component only increases slightly such that even components with temperature-sensitive regions can be encapsulated.

No. of Pages : 8 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2018

(21) Application No.201827048713 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : TECHNIQUES FOR DYNAMICALLY ALLOCATING UPLINK RESOURCES IN WIRELESS COMMUNICATIONS

(51) International classification :H04L5/00H04W72/12
(31) Priority Document No :62/368801
(32) Priority Date :29/07/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/037977
Filing Date :16/06/2017
(87) International Publication No :WO 2018/022216
(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)KRISHNAMOORTHI, Deepak
2)CHEN, Wanshi
3)PARK, Jong Hyeon

(57) Abstract :
Aspects described herein relate to communicating in a wireless network. Downlink control information having a dynamic resource allocation indicator can be received from a serving access point. It can be determined whether the dynamic resource allocation indicator indicates at least one symbol in a subframe is for uplink data communications or reference signal transmission. Uplink data communications can be transmitted using the at least one symbol based at least in part on the determination that the dynamic resource allocation indicator indicates the at least one symbol in the subframe is for the uplink data communication though a broadcasted reference signal configuration may indicate otherwise. Numerous other aspects are provided.

No. of Pages : 29 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/12/2018

(21) Application No.201827048045 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : COMBINATION THERAPY COMPRISING A POLYUNSATURATED KETONE AND A CORTICOSTEROID

(51) International classification	:A61K45/06A61K31/573A61P17/06
(31) Priority Document No	:1609719.8
(32) Priority Date	:03/06/2016
(33) Name of priority country	:U.K.
(86) International Application No Filing Date	:PCT/EP2017/063629 :05/06/2017
(87) International Publication No	:WO 2017/207821
(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)JOHANSEN, Berit
2)FEUERHERM, Astrid Jullumstro

(57) Abstract :
A synergistic pharmaceutical composition for simultaneous parallel sequential or separate use comprising a polyunsaturated ketone a corticosteroid and optionally a secosteroid partner calciptriol. The composition has utility in the treatment and prevention of skin disorders.

No. of Pages : 25 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/12/2018

(21) Application No.201827048058 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : UPLINK CHANNEL DYNAMIC WAVEFORM SWITCHING

(51) International classification :H04L5/00
(31) Priority Document No :62/369719
(32) Priority Date :01/08/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/043292
Filing Date :21/07/2017
(87) International Publication No :WO 2018/026546
(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)XU, Hao
3)ZENG, Wei
4)JIANG, Jing
5)JI, Tingfang

(57) Abstract :
Methods systems and devices for wireless communication are described A user equipment (UE) and a base station may support switching from one waveform to another on uplink channels. For example a UE and a base station may utilize both frequency division multiplexing (SC-FDM) waveform and an orthogonal frequency division multiplexing (OFDM) waveforms based on channel conditions and other factors. In some examples a UE may switch for some uplink channels and use a single waveform for other channels. For example switching waveforms for channels that utilize frequency domain code division multiplexing (CDM) channel may interrupt the orthogonality of multiplexed transmissions. A UE may transition from one waveform to another either autonomously or based on an explicit indication from a base station. If a UE switches autonomously it may send an indication of the transition to the serving base station.

No. of Pages : 46 No. of Claims : 51

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/12/2018

(21) Application No.201827048060 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : HOLLOW PARTICLE MADE OF THERMOPLASTIC ELASTOMERS AND POROUS MOULDED BODIES

(51) International classification :C08J9/24C08J9/32
(31) Priority Document No :16171208.8
(32) Priority Date :25/05/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/062298
Filing Date :22/05/2017
(87) International Publication No :WO 2017/202782
(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)PRISSOK, Frank
2)AHLERS, Juergen

(57) Abstract :
The invention relates to a hollow particles with a cover made from thermoplastic elastomer and a gas-filled cell and to a method for producing porous moulded bodies by thermal bonding or adhesive bonding the hollow particles.

No. of Pages : 20 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/12/2018

(21) Application No.201827048157 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : STERILE PACKAGING OF FLUENT MATERIALS

(51) International classification :B65B9/20B65B55/10
(31) Priority Document No :1610853.2
(32) Priority Date :21/06/2016
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2017/065302
Filing Date :21/06/2017
(87) International Publication No :WO 2017/220688
(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)NEWMAN, Paul
2)BLACKMAN, Mark

(57) Abstract :
A method of forming individual tubes or sachets containing fluent material and a packaging machine for doing so are described. The side of the foil which will be in contact with the fluent material when the package is formed is exposed to plasma mist or aerosol form as the tube or sachet is formed from a strip of laminate material (1) which is folded about a former (2) into a closed tube or sachet which passes over the open end of a dispensing tube (3) from which the fluent material is dispensed. A mist of plasma is injected into the interior of the material tube as it is formed extracted from the area once it has passed over the interior walls of the laminate tube. The dispensing tube may be surrounded by a cylindrical pipe (6) having an open end adjacent the dispensing tube and providing a tapered or stepped construction to a forming tube (2) about which the laminate is folded enabling the mist to flow out of the open end of the pipe surrounding the dispensing tube (3) and then to reverse direction and flow past the laminate surface as the tube or sachet is formed and thus sterilise that surface before it comes into contact with the product in question.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/12/2018

(21) Application No.201827048191 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD OF PRINTING A BIOSENSOR PLATFORM

(51) International classification :G01N27/327G01N27/414
(31) Priority Document No :1612292.1
(32) Priority Date :15/07/2016
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2017/052067
Filing Date :13/07/2017
(87) International Publication No :WO 2018/011589
(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)TENG, Kar Seng
2)LLOYD, Jonathan
3)DEGANELLO, Davide

(57) Abstract :
The present invention relates to a platform that may be utilised in the field of biosensors. According to the present invention there is a method of manufacturing a platform for use in bio-sensing applications comprising the steps of: a) providing a substrate (10) having electrodes (12) thereon; b) performing an overprinting step by overprinting the electrodes (12) with a precursor solution; c) performing a drying step to dry the precursor solution to form a print layer (14) on the electrodes (12); d) performing a further overprinting step by overprinting the print layer (14) with a precursor solution to increase the print layer thickness; e) performing a transformation step to at least partially transform the print layer (14) from a first substance to a second substance different to the first substance.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2018

(21) Application No.201827048716 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SURGICAL STAPLER ANVIL FOR A SURGICAL STAPLER AND A METHOD OF STAPLING TISSUE

(51) International classification :A61B17/115
(31) Priority Document No :1611306.0
(32) Priority Date :29/06/2016
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2017/065990
Filing Date :28/06/2017
(87) International Publication No :WO 2018/002134
(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)REKSTAD, Lars Cato
2)YSTGAARD, Brynjulf

(57) Abstract :
A surgical stapler (101) comprises a proximal end and a distal end wherein the proximal end is proximate to the user in use and the distal end is distal from the user in use and an anvil (120 220 320 420 520 620 720 820 920 1020 1120 1220 1320) at the distal end for providing resistance to staples during the stapling operation of the surgical stapler. The anvil (120 220 320 420 520 620 720 820 920 1020 1120 1220 1320) is configured to be actuated between a deployed state and a collapsed state. The anvil (120 220 320 420 520 620 720 820 920 1020 1120 1220 1320) comprises a plurality of segments (130 230 330 430 530 630 730 830 930) arranged end-to-end. The anvil (120 220 320 420 520 620 720 820 920 1020 1120 1220 1320) is elongated in the collapsed state the anvil (120 220 320 420 520 620 720 820 920 1020 1120 1220 1320) being elongated generally in a first direction Di. When viewed along the first direction D the area covered by the anvil (120 220 320 420 520 620 720 820 920 1020 1120 1220 1320) is greater in the deployed state than the collapsed state. The anvil (120 220 320 420 520 620 720 820 920 1020 1120 1220 1320) is configured such that the segments (130 230 330 430 530 630 730 830 930) rotate about a rotation axis along a second direction D2 perpendicular to the first direction Di when the anvil (120 220 320 420 520 620 720 820 920 1020 1120 1220 1320) is actuated between the deployed and the collapsed states. The anvil 120 220 320 420 520 620 720 820 920 1020 1120 1220 1320 is configured such that adjacent segments 130 230 330 430 530 630 730 830 930 pivot relative to each other about a pivot axis along a third direction D3 perpendicular to the second direction D2 when the anvil (120 220 320 420 520 620 720 820 920 1020 1120 1220 1320) is actuated between the deployed and collapsed states. The stapler (101) also comprises an actuator mechanism (470 770 1070) configured to actuate the anvil (120 220 320 420 520 620 720 820 920 1020 1120 1220 1320) between the deployed and collapsed states wherein the actuator mechanism (470 770 1070) is configured to be controlled from a location on the surgical stapler towards the proximal end.

No. of Pages : 46 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2018

(21) Application No.201827048723 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : KERNEL-BASED DETECTION OF TARGET APPLICATION FUNCTIONALITY USING OFFSET-BASED VIRTUAL ADDRESS MAPPING

(51) International classification :G06F21/53G06F21/56G06F11/36
(31) Priority Document No :62/368223
(32) Priority Date :29/07/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/040502
Filing Date :30/06/2017
(87) International Publication No :WO 2018/022257
(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, Subrato Kumar
2)GEORGE, Sajo Sunder

(57) Abstract :
Systems and methods are disclosed for detecting high-level functionality of an application executing on a computing device. One method comprises storing in a secure memory an application-specific virtual address mapping table for an application. The application-specific virtual address mapping table has several virtual address offsets in the application binary code mapped to corresponding target application functionalities. In response to launching the application a process-specific virtual address mapping table is generated for an instance of an application process to be executed. The process-specific virtual address mapping table defines actual virtual addresses corresponding to the target application functionalities using the virtual address offsets in the application-specific virtual address mapping table. During execution of the application code the method detects when one or more of the actual virtual addresses corresponding to the target application functionalities are executed based on the process-specific virtual address mapping table.

No. of Pages : 36 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/10/2018

(21) Application No.201827038678 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : WIRE MESH AND METHOD FOR PRODUCING A COIL FOR A WIRE MESH

(51) International classification :E01F7/04B21F27/04
(31) Priority Document No :10 2017 101 756.9
(32) Priority Date :30/01/2017
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2018/050959
Filing Date :16/01/2018
(87) International Publication No :WO 2018/137964
(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)WENDELER-G–GGELMANN, Corinna

(57) Abstract :
The invention relates to a wire mesh (10a; 10b; 10c) in particular a safety net comprising multiple coils (12a 14a; 12b; 12c) which are braided into one another and at least one coil (12a; 12b; 12c) of which is made of at least one individual wire a wire bundle a wire strand a wire rope and/or another longitudinal element (16a; 16b; 16c) with at least one wire (18a; 18b; 18c) and comprises at least one first limb (20a; 20b; 20c) at least one second limb (22a; 22b; 22c) and at least one bending point (24a; 24b; 24c) that connects the first limb (20a; 20b; 20c) and the second limb (22a; 22b; 22c). The first limb (20a; 20b; 20c) runs at least at a first inclination angle (26a; 26b; 26c) with respect to a longitudinal direction (28a; 28b; 28c) of the coil (12a; 12b; 12c) when viewed in a frontal direction perpendicularly to a main extension plane of the coil (12a; 12b; 12c). When viewed in a transverse direction parallel to the main extension plane of the coil (12a; 12b; 12c) and perpendicularly to the longitudinal direction (28; 28b; 28c) of the coil (12a; 12b; 12c) the bending point (24a; 24b; 24c) runs at least in some sections at a second inclination angle (30a; 30b; 30c) relative to the longitudinal direction (28a; 28b; 28c) of the coil (12a; 12b; 12c) said second inclination angle differing from the first inclination angle (26a; 26b; 26c).

No. of Pages : 63 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/10/2018

(21) Application No.201827038679 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : WIRE MESH AND METHOD FOR PRODUCING A COIL FOR A WIRE MESH

(51) International classification :B21F27/04E01F7/04B21F23/00
(31) Priority Document No :10 2017 101 754.2
(32) Priority Date :30/01/2017
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2018/050978
Filing Date :16/01/2018
(87) International Publication No :WO 2018/137970
(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)WENDELER-G–GGELMANN, Corinna

(57) Abstract :
The invention relates to a wire mesh (10a; 10b) in particular a safety net comprising multiple coils (12a 14a; 12b) which are braided into one another and at least one coil (12a 14a; 12b) of which is bent out of at least one individual wire a wire bundle a wire strand a wire rope and/or another longitudinal element (16a; 16b) with at least one wire (18a; 18b) that has a high-strength steel in particular and comprises at least one first limb (20a; 20b) at least one second limb (22a; 22b) and at least one bending point (24a; 24b) that connects the first limb (20a; 20b) and the second limb (22a; 22b) together. The longitudinal element (16a; 16b) is bent along the course of the first limb (20a; 20b) and/or the second limb (22a; 22b) at least substantially in a torsion-free manner. The invention additionally relates to a method for producing a coil for a wire mesh.

No. of Pages : 41 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/01/2019

(21) Application No.201924001652 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : RFID TIRE PLUG AND METHOD OF INSTALLING THE SAME IN A MANUFACTURED TIRE

(51) International classification	:H01T 21/00
(31) Priority Document No	:62/617,801
(32) Priority Date	:16/01/2018
(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)UIJLENBROEK, Jos

(57) Abstract :
RFID plugs and methods of installing the same within a rubber article. When included in the rubber article, the RFID plugs maintain operability pre-vulcanization, during vulcanization, and post-vulcanization to identify, track, and/or sense conditions of the rubber article. The RFID plugs are adapted to be affixed to the rubber article and include, for example, an elongate stem; a head disposed at a first end of the stem, the head containing an RFID device; and a retention feature disposed at a second end of the stem opposite the first end, the retention feature configured to resist pulling forces on the head and the stem.

No. of Pages : 21 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/07/2018

(21) Application No.201824025671 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : AN OPTICAL SYSTEM FOR MEASURING THE ABSORPTION OF LIGHT IN A MEDIUM

(51) International classification :G11B 7/24038
(31) Priority Document No :102017115660.7
(32) Priority Date :12/07/2017
(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)MLLER, Frank
3)VACA-TORRES, Alejandro

(57) Abstract :
The invention relates to an optical system (10) for measuring the absorption of light in a medium (5), comprising at least one light source (1) for sending light (13) and at least one optical detector (3), which receives the light and converts it into an electrical signal. The system (10) is characterized in that the system (10) comprises at least one light guide (8), wherein, in the region of the light source (1), light is coupled as reference light into the light guide (8), wherein the light guide (8) is guided, at least in sections, past the medium (5), and wherein the light guide (8) guides the reference light onto the detector (3).

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/01/2018
(21) Application No.201821002119 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : AN ANTI-ALGAL ADDITIVE COMPOSITION

(51) International classification	:C09D 159/00 C09D 169/00
(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)SHYAMROY,Subarna
3)YELCHURI, Ravi
4)PATIL, Sham Ashok
5)B P MALLIK

(57) Abstract :
The present disclosure relates to a water based anti-algal additive composition comprising: an organic fluid medium, wherein the organic fluid medium is at least one selected from the group consisting of C1-C8 alcohol, C2-C12 glycol, C2-C12 polyol, and C2-C12 polyether glycol, in an amount in the range of 5 wt% to 97 wt%, and a sparsely water soluble component comprising at least one compound selected from the group consisting of copper (I) cyanide, copper (I) thiocynate and compound of Formula (I) in an amount in the range of 3 wt% to 95 wt% Cu(PR1(z)R2(3-z))x(HOR3)yA (I) The water based additive composition is mixed with the water based coating composition, prior to use, to impart anti-algal properties to the coating composition.

No. of Pages : 16 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/01/2018
(21) Application No.201821002121 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A WATER BASED ANTI-ALGAL COATING COMPOSITION

(51) International classification	:C09D 159/00 C09D 169/00
(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)YELCHURI Ravi
4)PATIL Sham Ashok
5)BP MALLIK

(57) Abstract :
The present disclosure relates to a water based anti-algal coating composition and a method for preparation of the same. The coating composition comprises an anti-algal coating base and a polymeric binder. The anti-algal coating base comprises a fluid medium and a sparsely water soluble component comprising at least one compound selected from the group consisting of copper (I) cyanide, copper (I) thiocynate and compound of formula (I). The compound of formula (I) is represented as Cu(PR1(z)R2(3-z))x(HOR3)yA (I) The present disclosure also relates to water based anti-algal coating kit comprising (i) a first container having a dispersion of an anti-algal coating base and (ii) a second container having an emulsion of a polymeric binder, wherein the anti-algal coating base is mixed with the emulsion of the polymeric binder to obtain a water based coating composition.

No. of Pages : 40 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/06/2018

(21) Application No.201824021308 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : MULTI-MODE INFINITELY VARIABLE TRANSMISSION

(51) International classification	:F16H 61/662
(31) Priority Document No	:15/628979
(32) Priority Date	:21/07/2017
(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)RAINER GUGEL
3)DAVID MUELLER
4)THOMAS G. ORE
5)DENNIS L JEFFRIES

(57) Abstract :
An infinitely variable transmission (IVT) provides a plurality of transmission modes. At least one mode is a serial mode and at least one other mode is a split-path mode. The serial mode may provide a powered zero and creeper ground speeds. The split-path mode(s) may provide higher field speeds.

No. of Pages : 70 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/06/2018

(21) Application No.201824023377 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : AIR QUALITY NOTIFICATION AND PROCESSING SYSTEM

(51) International classification	:F24F 11/30
(31) Priority Document No	:106125336
(32) Priority Date	:27/07/2017
(33) Name of priority country/region	:Argentina
(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)Ta-Wei Hsueh
3)Li-Pang Mo
4)Shih-Chang Chen
5)Ching-Sung Lin
6)Chi-Feng Huang
7)Yung-Lung Han

(57) Abstract :
ABSTRACT AIR QUALITY NOTIFICATION AND PROCESSING SYSTEM An air quality notification and processing system includes at least one notification-processing-connection device and an air quality air quality processing device. The notification-processing-connection device includes a display module and a first communication module. After the first communication module receives an air quality information, the air quality information is transmitted to the display module and displayed on the display module. The air quality processing device includes a second communication module. The second communication module is in communication with the first communication module to receive the air quality information.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/03/2018

(21) Application No.201822009303 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHODS OF PASTEURIZATION ENABLING TOTALINACTIVATION OF VIRAL AND BACTERIAL CONTAMINATION OF IN-SHELL CHICKEN EGGS

(51) International classification :A23B 5/005
(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 :201727028561
Filed on :11/08/2017

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(72)**Name of Inventor :**
1)L. John Davidson

(57) Abstract :
ABSTRACT OF THE DISCLOSURE There is a process which can pasteurize in-shell chicken eggs to inactivate pathogens when present which includes all strains of salmonella and all strains of viruses that historically have been known to exist within chicken eggs and currently are known to be evolving into new and separate strains which may cause large quantities of human illnesses unless countermeasures are developed and employed. One such countermeasure is provided through pasteurization of the subject in-shell eggs through pasteurization involving concurrently a secured environment together with a protocol which enables total inactivation of the targeted pathogens whether bacterial or viral without risk of recontamination.

No. of Pages : 237 No. of Claims : 46

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2018

(21) Application No.201827040544 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A TUNNEL WALL ELEMENT AND A METHOD OF ASSEMBLING TUNNEL WALLS COMPRISING THE TUNNEL WALL ELEMENTS

(51) International classification	:E21D11/00E21D11/38
(31) Priority Document No	:20160515
(32) Priority Date	:30/03/2016
(33) Name of priority country	:Norway
(86) International Application No Filing Date	:PCT/NO2017/050077 :29/03/2017
(87) International Publication No	:WO 2017/171558
(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)JAKOBSEN, Rolf

(57) Abstract :
The present invention disclose a tunnel wall element comprising a lightweight body element coated with a fire resistant coating providing increased mechanical integrity of the tunnel wall element. The present invention is also related to a method of building road and railway tunnels with the lightweight coated tunnel element.

No. of Pages : 15 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/01/2019
(21) Application No.201924000157 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : AUTOMATIC TWO-MODE HIGH REDUCTION POWER TRANSMISSION SYSTEM

(51) International classification :H04B 3/54
(31) Priority Document No :15/873622
(32) Priority Date :17/01/2018
(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)CHRISTOPHER D. TURNER
3)PRASAD M. PANSE
4)PRANAV JAGTAP

(57) Abstract :
An automatic two-mode high reduction power transmission system. A power transmission system includes a first device that delivers a first input and receives a second output. A second device delivers a second input and receives a first output. A power transmission has two planetary gear sets and operates in a first mode at a first speed ratio, where the first input is received from the first device and in response, the first output is delivered to the second device. The power transmission operates in a second mode at a second speed ratio that is different than the first speed ratio, where the second input is received from the second device and in response, the second output is delivered to the first device. A pair of freewheel mechanisms automatically couple one of the first or second devices with the power transmission to provide the two modes.

No. of Pages : 21 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/10/2018

(21) Application No.201827039672 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ROTARY PRESS HAVING RAMS WITH AT LEAST TWO HEIGHT-STAGGERED RAM TIPS FOR CARRYING OUT A PLURALITY OF PRESSING OPERATIONS DURING A ROTATION

(51) International classification :B30B11/08A61J3/10B30B15/06
(31) Priority Document No :10 2016 105 588.3
(32) Priority Date :24/03/2016
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2017/057043
Filing Date :24/03/2017
(87) International Publication No :WO 2017/162848
(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)KORSCH AG
Address of Applicant :Breitenbachstrae 1 13509 Berlin Germany
(72)**Name of Inventor :**
1)KLAER, Ingo
2)WEISSBACH, Thomas
3)MIES, Stephan

(57) Abstract :
The invention relates to a rotary press with height-staggered ram tips for carrying out at least two pressing operations which preferably build on one another. Furthermore the invention relates in particular to rotary presses and methods for producing different single-layer and also multi-layer and coat-core tablets and for pressing tablets into cups during a rotation.

No. of Pages : 29 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/10/2018

(21) Application No.201827039673 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD FOR SANITIZING BIOMASS

(51) International classification :C12M1/00
(31) Priority Document No :10 2016 106 746.6
(32) Priority Date :12/04/2016
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2017/057106
Filing Date :24/03/2017
(87) International Publication No :WO 2017/178212
(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)CEBCON TECHNOLOGIES GMBH
Address of Applicant :Flughafenstr. 52a Airport Center 22335 Hamburg Germany
(72)**Name of Inventor :**
1)DETZEL, Valery

(57) Abstract :
The invention relates to a method for sanitizing biomass in which the biomass is fed to a shaft cooler and is heated in said shaft cooler by supplying a heated heating medium to the shaft cooler.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/10/2018

(21) Application No.201827039679 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CAPSULE SYSTEM

(51) International classification :B65D85/804B65D81/32A47J31/06
(31) Priority Document No :16161748.5
(32) Priority Date :22/03/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/056662
Filing Date :21/03/2017
(87) International Publication No :WO 2017/162649
(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)MHLEMANN IP GMBH
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(72)**Name of Inventor :**
1)MHLEMANN, Rolf

(57) Abstract :
The invention relates to a capsule system for expanding the range of application of extraction capsules (3) which capsule system (1) comprises a holding capsule (2) in which the extraction capsule (3) is held. An annular trough (4) remains between the jacket wall (34) of the extraction capsule (3) and the jacket wall (21) of the holding capsule. The capsule system (1) makes it possible to guide a good in the annular trough with a mixing medium around the extraction capsule (3) and through through-flow openings (29) while an extraction medium is guided through the extraction capsule. Both media are mixed in a mixing chamber (40) and exit through an outlet opening (25).

No. of Pages : 18 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/01/2018

(21) Application No.201821001501 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : EVAPORATIVE WINDOW AIR COOLER ASSEMBLY

(51) International classification	:B63B 19/04 F24F 7/013 F25B 39/02	(71)**Name of Applicant :** **1)Crompton Greaves Consumer Electricals Limited** Address of Applicant :Equinox Business Park, Tower 3, 1st Floor, East Wing, LBS Marg, Kurla (West), Mumbai - 400 070, Maharashtra, India Maharashtra India (72)**Name of Inventor :** **1)Sarang Kusale,** **2)Sivadas Alakkal K,**
(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	

(57) Abstract :
An evaporative air cooler assembly, comprising sheet metal enclosure (1) housing having a hollow interior with plurality of air inlet that permits ambient air to flow into said housing; a cooler inside assembly including of a water tank, (2) a channel on both sides attached above the tank, a frame to house the cooling pads, a fan motor assembly attached to the water tanks vertically, water distribution channel on four sides at the top and a pump in the tank configured to pump water up onto the water trays; a face plate with multiple openings for the air from the fan to flow is provided which can fit on to the front side of the assembly; at least one air outlet vent formed in said housing through which air that has traveled through said cooling pads is directed into an ambient environment; and wherein the said cooler inside assembly is configured for slidably mounted within outer sheet metal enclosure housing.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/01/2018

(21) Application No.201821001507 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SYSTEM FOR SYNTHESIS OF FIBROUS NANOSPHERE OF SILICA VLA A CONTINUOUS FLOW PROCESS AND PROCESS THEREOF

(51) International classification	:B01J 8/06	(71)**Name of Applicant :** **1)IITB - Monash Research Academy** Address of Applicant :IITB-Monash Research Academy, IIT Bombay, Powai Mumbai Maharashtra India Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	(72)**Name of Inventor :** **1)Ms. KARUNA VEERAMANI** **2)Prof. ANIL KUMAR** **3)Prof. NEIL CAMERON**
(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 disclosure provides a system and process for synthesizing fibrous nanospheres of silica (KCC-1). The system comprises a stirrer (1) receiving an emulsion solution for stirring, at least one pump (2) connected with the stirrer (1), receiving the stirred emulsion, at least one tubular reactor coil (4) placed inside a temperature controller (5), a back pressure regulator (6) connected with the temperature controller (5) to provide a streamlined and continuous flow of a reacted mixture obtained through a reaction of a reacting mixture at the tubular reactor coil (4). The temperature controller (5) is connected with the at least one pump (2) for supplying the emulsion or individual reagents separately, into the tubular reactor coil (4). The reacted mixture is centrifuged and calcined at the back pressure regulator (6) to generate fibrous nanospheres of silica (KCC-1). Figure 2

No. of Pages : 35 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/01/2018

(21) Application No.201821001559 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : OMEGA LIPID FROM INSECT FED ALGAE BIOMASS

(51) International classification	:A23L 33/12
(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)Balaji Madhavrao Panchal

(57) Abstract :
The invention relates to effective, economical cell disruption and extraction techniques that scaling up the Omega oil production process from pilot to industrial scale. Where in S. limacinum strain are used because of its high lipid content. S. limacinum biomass-fed insects harvested and dried in an oven at 45 °C until a constant weight achieved. The dried insects ground into a powder, powder used to extract the omega lipids; also useful for food ingredients. The maximum omega lipid extraction yield was 65.12% using an ethanol to insect biomass ratio of 4:1w/w. The extracted omega lipids containing docosahexaenoic acid (28.66%) and eicosapentaenoic acid (2.33%) analyzed by gas chromatography-mass spectrophotometry.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2018
(21) Application No.201827045915 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A CONNECTION STRUCTURE OF A WIND TURBINE BLADE AND METHOD FOR ITS MANUFACTURE

(51) International classification :B29C70/86B29C70/32
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2016/063588
Filing Date :14/06/2016
(87) International Publication No :WO 2017/215735
(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)S˜RENSEN, Flemming
2)HORNEMANN, Jesper

(57) Abstract :
A method for manufacturing a connection structure (1) of a wind turbine blade part. The method comprises the following steps. Providing an elongate insert (8) with a predetermined length said insert (8) comprising at least one cylindrical part and one tapered part. The at least one cylindrical part comprises an end face from which a centrally arranged threaded bore (9) extends towards the tapered part. Providing a fibre mat (7) of a predetermined shape which at least in one direction is longer than the predetermined length of said elongate insert(8). Wrapping said elongate insert (8) in said fibre mat (7). Embedding said wrapped elongate insert (8) between further layers of fibre (6 10) mat of said connection structure (1). Impregnating the fibre mat layers with curable resin and curing the resin.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/12/2018

(21) Application No.201827046628 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A SOLAR REACTIVE MULCH FILM

(51) International classification :B32B27/32A01G13/02C08K3/04
(31) Priority Document No :2016901723
(32) Priority Date :10/05/2016
(33) Name of priority country :Australia
(86) International Application No :PCT/AU2016/050694
Filing Date :02/08/2016
(87) International Publication No :WO 2017/193155
(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)TRENCHARD, Douglas Michael
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2)TRENCHARD, Robert Charles
(72)**Name of Inventor :**
1)TRENCHARD, Douglas Michael
2)TRENCHARD, Robert Charles

(57) Abstract :
A solar reactive mulch film comprising one or more layers of heat shrink material pre-strained at a predetermined temperature and tension. Immediately cooling the pre-strained layers retains molecular deformation stresses in the material which facilitate shrinkage but not expansion on exposure to solar radiation. The mulch film adapted to be laid over longitudinal growing beds and held tautly by burying its side edges in soil. Exposure of uncovered portions of film to solar radiation causes shrinkage in one or more directions whereby in combination with the weight of the soil holding it down maintains tautness of the mulch over a growing period. Methods of manufacture and use of the same.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/01/2018

(21) Application No.201841001345 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : AUTOMATIC REAR DOOR LOCKING SYSTEM TO REDUCE CAR DOOR ACCIDENTS

(51) International classification :E05B77/52;
(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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5)MR. SIVA KUMAR SATHISH KUMAR
6)MR. SYED YACOOB SYED MUSTHAFA

(57) Abstract :
Road safety is an issue of national concern, considering its magnitude and gravity and the consequent negative impacts on the economy, public health and ihe general welfare prominent actions have to be taken to reduce the cause. With the increase in usage of cars and sluggishness in adhering to the road safely rules accidents occur. Most safety measures are incorporated in the vehicles and on the roads mainly focus on accidents cars in moving condition. But mishaps also occur due to cars in parked condition wherein the passenger or driver carelessly opens the door without the awareness of vehicle or other objects in the door zone. Vehicle occupants or non-occupants mostly pedestrians get injured or killed due to carelessness in car door opening. The front seat occupants of a car can monitor any approaching object through their side mirror, whereas the rear sealers have to follow the dutch reach method which is not practiced. Thus the idea of an automatic system to delect and control the car door opening to avoid accidents. This automatic system delects person/ objects nearby the cars left and right rear door, checks for the presence of humans in the rear seal and intimates them about the approaching object and automatically locks the door to avoid careless opening of door. When the path is clear from any intrusion, the system automatically unlocks the door and intimates the rear scat passenger. This system provides real lime monitoring and control and it can be added to existing power door locking systems in cars with additional sensing and control circuitry. This is an efficient and economic system that helps reduce car door accidents.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/01/2018

(21) Application No.201841001346 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : AUTOMATIC SAREE IRONING AND FOLDING MACHINE

(51) International classification	:D06F61/00; D06F69/00; D06F73/02
(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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11)MR. HARIHARAN ANNADURAI

(57) Abstract :
The saree ironing and folding machine saves the cost and time of ironing. It performs both ironing and folding automatically. Once the saree is fed into the machine it automatically moves the saree to the next end. The specific part of the saree gets ironed twice. The ironed saree moves to the folding section, which has two different parts. The primary folding section catches the ironed part and folds it so that the next section of the saree will be moved to the ironing section. When the entire saree gets ironed and folded by the primary folding section, the partially folded saree moves to the secondary folding section and the folding is completed. The complete process is controlled with the help of ARM processor. The machine is designed such that the heat of the ironer is changed automatically based on the cloth type.

No. of Pages : 9 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/01/2018

(21) Application No.201841001347 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : PERFORMANCE AWARE OVERHEAD PEOPLE DETECTION AND TRACKING SYSTEM

(51) International classification :G06F17/30
(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)Maheshwari Prashant
2)Behera Saurav
3)Alex Doney
4)Banerjee Sumandeep
5)Panda Subrat

(57) Abstract :
[0088] An overhead people detection and tracking system and method is provided. The system includes a memory having computer-readable instructions stored therein. The system includes a processor configured to access a plurality of video frames captured using one or more overhead video cameras installed in a space. The processor is configured to extract one or more images of the space from the plurality of video frames. Further, the processor is configured to process the one or more images to identify person detections in the space. Each detection corresponds to a person present in the space. In addition, the processor is configured to analyze the detections to define at least one of true positives and false positives associated with movement of one or more persons within the space. Furthermore, the processor is configured to maintain a count of the one or more persons entering and/or exiting the space based upon at least one of the true positives and the false positives

No. of Pages : 38 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/01/2018
(21) Application No.201841001579 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : COMPOSITIONS CONTAINING EXTRACTS OF GARCINIA GUMMI-GUTTA SEED AND RELATED METHODS

(51) International classification	:A61K 36/38
(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

(71)**Name of Applicant :**
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Address of Applicant :Kadicheeni House, Mala P. O, Thrissur, Kerala, 680 732, India Kerala India
(72)**Name of Inventor :**
1)SHINEY GEORGE

(57) Abstract :
COMPOSITIONS CONTAINING EXTRACTS OF GARCINIA GUMMI-GUTTA SEEDS AND RELATED METHODS
Compositions comprising Garcinia gummi-gutta seed oil are herewith provided. The composition comprises a) Garcinia gummi-gutta seed oil; and b) at least one excipient, wherein Garcinia gummi-gutta seed oil to the at least one excipient has a w/w ratio in the range of 18:1 to 21:1. The compositions provided can be used as effective anticancer, antioxidant and anti-microbial agents, anti-bacterial, anti-fungal, hepatocellular, and anti-obesity agent. The present disclosure also provides a convenient process for extraction of the Garcinia gummi-gutta seed oil.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/01/2018

(21) Application No.201841001593 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : AN AUTOMATED SYSTEM AND METHOD FOR DETAILED ASSESSMENT OF THE LEARNERS DRIVING CLASS

(51) International classification	:G09B19/167; G09B9/04
(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)ROOPESH JENU
(72)**Name of Inventor :**
1)SWETHA RAJEEV
2)ROOPESH JENU

(57) Abstract :
A system for assessing the driving classes attended by learners licence holders. Currently the driving classes are provided by various driving schools and there is no mechanism to measure the quality of classes. A Firmware controls all the functional units in the vehicle mount unit and collect data from these units to runs various algorithms over it and a software hosted in the central server or cloud and is linked with learners licence issuing application which consists of 3 major modules, Enrolment module, Enrolment of Trainer & MDS, Enrolment of Training vehicle, Enrolment of candidate/learner, Assessment Module which allows Curriculum based drivers training with automated monitoring and evaluation.A fully autonomous drivers training vehicle with audio and visual assistance built over Artificial Intelligence and Machine learning.

No. of Pages : 21 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/01/2018

(21) Application No.201841001594 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A CABINET COMPRISING AT LEAST ONE STORAGE SEGMENT AND METHOD TO OPERATE THE SAME

(51) International classification	:A47B88/20; A47B88/90
(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)Rohit Uttamchand

(57) Abstract :
A cabinet comprising at least one storage segment and method to operate the same are disclosed. The cabinet includes at least one electrical motor operatively coupled to the at least one storage segment and configured to operate the at least one storage segment. The cabinet also includes at least one sensor configured to generate an operational signal upon operation of the at least one storage segment. The cabinet further includes a processing device configured to generate one or more commands to the at least one electrical motor to operate the at least one storage segment, to count the operational signal generated by the at least one sensor upon the operation of the at least one storage segment and to notify a number of times the at least one storage segment is operated in a pre-defined time interval to one or more user devices. FIG. 1

No. of Pages : 24 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/01/2018

(21) Application No.201841001596 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD OF FABRICATING CO-CURING LAYUP MOULD FOR MANUFACTURING OF BOTTOM FLOOR OF AN ADVANCED FIXED WING AIRCRAFT

(51) International classification	:B29C70/44; B29D99/00;
(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)R V KRISHNA K

(57) Abstract :
The invention relates to a detailed process to design and fabricate a more rigid and high stiffened light weight metallic co-curing layup mould to manufacture stiffened composite component for an advanced light weight fixed wing aircraft. The composite bottom floor assembly is to provide rigid and stiffened structure to mount & support front fuselage structure and to transmit the localized stresses during static and flying conditions, to the primary load bearing structure. More precisely, this invention concerns the domain of design and fabrication of layup mould for co-curing stiffened composite component under autoclave curing conditions. The invention relates to technical field of designing two stage co-curing layup tool with less shrinkage, dimensionally stable, rigid and adheres to autoclave curing conditions. The prime aspect of this invention is to design layup tools for Co-curing stiffened composite components by avoiding defects like delamination between skin to stiffener and between stiffeners, improper compaction between skin and stiffener, layer wrinkles and waviness.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/01/2018

(21) Application No.201841001351 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SYSTEM AND METHOD FOR CONTROLLING THE BASED ON MACHINE LEARNING (ML)

(51) International classification :G08G1/087
(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)VELAGANDULA ANANDAM
2)SHRAWAN KUMAR
3)HUSNABAD VENKATESWARA REDDY
4)MERUGU GOPICHAND
5)RAMESH LAXMANRAO SHAHABADKAR
6)SEELAM SAI SATYANARAYANA REDDY

(57) Abstract :
System and method for controlling the traffic based on Machine Learning [0051] The invention provides a system and method for controlling the traffic based on Machine Learning (ML).The system comprises a plurality sensor (101) which collects traffic signal data. The data is transmitted by a plurality transmitter (202) which is placed on the one or more traffic signals. The sensor (101) data is then received by the plurality of receivers (204). Further, a Machine Learning (ML) engine (205) is configured to applythe ML algorithm to predict least one of the future status of the traffic signal, number of vehicles based on the traffic signal, estimated the speed of the vehicle to reach the traffic signal, estimated time to reach the vehicle to the traffic signal and alternative traffic signal route with the status. A display unit (206) displays the present status of the traffic signal along with the location. (Figure 2)

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/01/2018

(21) Application No.201841001366 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A METHOD FOR COMMUNICATION BY FIELD DEVICES IN AN INDUSTRIAL NETWORK

(51) International classification	:H04L29/06; H04L29/08
(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 :Brown Boveri Strasse 6, CH-5400 Baden, Switzerland Switzerland
(72)**Name of Inventor :**
1)Deepaknath Tandur
2)Anitha Varghese
3)Apala Ray

(57) Abstract :
The present invention provides a method for wireless communication in an industrial plant comprising field devices and a wireless gateway communicably connected in an industrial network. The method comprising the wireless gateway: determining a first field device that is communicating using a first communication channel in a pre-determined time slot in the industrial network; determining a second field device for assessing a strength of communication signal from the first field device in the pre-determined time slot; obtaining from the second field device the strength of the communication signal; determining a level of interference at the pre-determined time slot on the second field device associated with a second communication channel based on the obtained strength of the communication signal; and assigning a time slot for the second field device with the pre-determined time slot for communication using the second communication channel for communication based on the determined level of interference. Figure 4

No. of Pages : 15 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/01/2018

(21) Application No.201841001391 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CRIMP FOR CONNECTING WIRES

(51) International classification	:H01R11/11; H01R4/02; H01R4/18
(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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Address of Applicant :TE Park, Site #22B Doddenakundi Industrial Area, Whitefield Main Road, Bangalore 560048, Karnataka, India Karnataka India
2)TE Connectivity Germany GmbH
(72)**Name of Inventor :**
1)BUEMMEL, Uwe
2)SARAVANAKUMAR, M.

(57) Abstract :
A crimp for connecting wires is provided with a crimp barrel comprising a base and opposing side walls extending from the base, wherein the side-walls are adapted for bending around the wires such that ends of the opposing side-walls engage with one another along a staggered seam.

No. of Pages : 19 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/01/2018
(21) Application No.201841001398 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : HIGH DEFINITION VIDEO STREAMING FOR WIRELESS COMMUNICATION

(51) International classification	:H04B7/216; H04H20/28; H04J1/16;
(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

(71)**Name of Applicant :**
1)Dr. M B Manjunatha
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2)Dr. Thangadurai. N
3)CP Latha
(72)**Name of Inventor :**
1)Dr. Thangadurai. N
2)CP Latha
3)Dr. M B Manjunatha

(57) Abstract :
In wireless communication system occurrence of errors is one of the most common problem which reduce the effectiveness and security of the system. Wireless communication target multimedia, messaging and high speed internet access, all expressing the need of high speed , huge data transmission , high resolution , high bit rates and excellent picture quality. To meet all these demands and challenges high definition (HD) streaming is considered where it is successor to standard definition (SD). Packet losses and transmission errors are the major problem in HD video streaming. The errors in video frame leads to picture quality degradation to overcome these problems a series of schemes has been proposed like digital modulation scheme, storage analysis and series of novel error correction techniques. In this work analysis of various techniques has been carried out for different HD streaming, synthesis can be done using verilog tool in VLSI. Various error controlling and detecting methods are adopted to provide an effective through put. The area of application includes satellite communication, transmission of data , data storage , mobile communication ,file transfer digital audio video transmission , internet etc. These applications clearly indicate the need of error control techniques.

No. of Pages : 18 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/01/2018

(21) Application No.201841001612 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : FORMULATION OF ALLIUM SATIVUM AND MURRAYA KOENIGII BASED PHYTOSOMAL COMPLEX FOR THE SUSTAINED RELEASE AND TREATMENT OF BREAST CANCER USING PHOSPHOLIPIDS FROM MILK

(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)ABDUL AZEEZN
2)SIVAPRIYA V
3)SUDARSHANA DEEPA V

(57) Abstract :
Formulation of a phytosome using the natural phospholipid isolated from milk and Diallyl disulfide containing Allium sativum and Murraya koenigii extracts for the prevention or treatment of prostate cancer or preventing the post therapy recurrence of breast cancer.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201841001621 A
(19) INDIA
(22) Date of filing of Application :15/01/2018
(43) Publication Date : 19/07/2019

(54) Title of the invention : WOODEN MULTIPURPOSE COCONUT SCRAPPER COMES STOOL

(51) International classification	:A23N5/03; A23N5/08; B65G53/14	(71)**Name of Applicant :** **1)ALI AKBER E.T** Address of Applicant :S/O LATE T.K, KUNHUMARAKAR , ELAYEDATH (HOUSE), MUKKALA P.O, MARANCHERY, MALAPPURAM (DISTRICT), KERALA, 679581, INDIA. Kerala 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 :**
Filing Date	:NA	**1)ALI AKBER E.T**
(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 :
A wooden coconut scrapper foldable within a stool comprising of an upper horizontal plane a wooden seat openable foldable outside from one side of the horizontal upper frame of the stool and a folding means on the opposite side; a similarly placed vertically beneath the seat an inverted scrapper blade which is horizontally connected to the frame of the foldable stool by any folding means on the opposite side where the seat is connected. Thereby the scrapper blade would be foldable outside by turning in clock wise direction and the scrapper blade will remain in upward when reaches horizontal position, the seat would be foldable outside by turning it anticlockwise direction.

No. of Pages : 12 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/01/2018
(21) Application No.201841001658 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SYSTEM AND METHOD FOR IMPROVING SOFTWARE CODE QUALITY USING ARTIFICIAL INTELLIGENCE TECHNIQUES

(51) International classification	:G06F11/3664; G06F11/3672; G06N7/005
(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)Saroj Pradhan
2)Tapodhan Sen
3)Anirban Chakrabarti

(57) Abstract :
SYSTEM AND METHOD FOR IMPROVING SOFTWARE CODE QUALITY USING ARTIFICIAL INTELLIGENCE TECHNIQUES A system for improving software code quality using artificial intelligence is provided. The system comprises a training data extraction module to extract learning data files from a source control management system and an integrated development environment for preparing training data. The system further comprises a machine learning model trainer that conducts training of an artificial neural network. The system further comprises a machine learning recommendation module that queries the trained artificial neural network to check for recommendations for improving quality of one or more new software codes and one or more modified software codes. The system also comprises a remediation module that determines one or more coding standard violations in the one or more new software codes and one or more modified software codes. The quality of the one or more new software codes and one or more modified software codes is improved by applying the recommendations.

No. of Pages : 26 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/01/2018

(21) Application No.201841001710 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A NAVIGATION DEVICE TO RECOMMEND A ROUTE AND A METHOD THEREOF

(51) International classification :G01C21/00
(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)Robert Bosch GmbH
(72)**Name of Inventor :**
1)Anish Thomas

(57) Abstract :
A navigation device 10 to recommend a route is disclosed. The navigation device 10 receives an origin and a destination data and an information corresponding to a set of terrain based parameters from a remote server 18. The navigation device 10 calculates at least one route from the origin to the destination based on the received set of terrain based parameters. The navigation device 10 receives the information corresponding to a set of vehicle parameters from the remote server 18 for each of calculated at least one route. The navigation device 10 calculates a comfort factor for each of calculated at least one route based on the received set of vehicle parameters and recommends one route from calculated at least one route based on the calculated comfort factor. Reference Figure: Figure 1

No. of Pages : 10 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/01/2018

(21) Application No.201841001723 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A HOUSEHOLD APPLIANCE

(51) International classification :A47G29/20
(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)BSH Household Appliances Manufacturing Private Limited
(72)**Name of Inventor :**
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2)Mahantesh Nimbaragi
3)Buvanesh Rajappan

(57) Abstract :
A HOUSEHOLD APPLIANCE The household appliance 10 is disclosed. The household appliance 10 comprises at least one compartment 20 having a door 22 mounted on at least one compartment 20. The household appliance 10 comprises at least one end-cap 12 mounted on the door 22 and the appliance 10 further comprises an electronic control panel 16. At least one end-cap 12 comprises a first groove 14 to receive the electronic control panel 16. Reference Figure: Figures 1&2

No. of Pages : 15 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/01/2018

(21) Application No.201841001415 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A HOUSEHOLD APPLIANCE

(51) International classification :A47J45/06
(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)Arun Bhaskar

(57) Abstract :
The household appliance is disclosed. The household appliance 10 comprises a hinge 12 fixed on a traverse portion 22 of the household appliance 10. At least one bearing element 14 is mounted on a supporting structure 16 of the hinge 12. The household appliance 10 further comprises at least one extension 18 made on at least one bearing element 14 actuates at least one switching element 20 mounted on the hinge 12. Reference Figure: Figures 1&2

No. of Pages : 14 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/01/2018

(21) Application No.201841001447 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A METHOD AND PROCESS FOR PRESERVING PLANTAIN BANANA

(51) International classification	:A23B 5/005
(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)Justin Baby

(57) Abstract :
A method and process, for preserving plantain banana which increases the shelf life of the banana up to 100 days applied with the retort processing of plantain banana, the banana is thermally processed which implies the controlled use of heat to control the rates of reactions in foods; where in the banana is Blanched, vacuum packed and retorted plantain banana. The method helps in reduction of post-harvest losses in the agricultural sector faced while the production of plantain banana.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/01/2018
(21) Application No.201841001452 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SYSTEM AND METHOD FOR USING BIOMETRIC DATA FOR PROVIDING SECURITY AND IDENTIFICATION

(51) International classification	:H04L9/0825; H04L9/3231; H04L2209/805
(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. K. KIRAN KUMAR
2)DR. SUMAN MALOJI
3)DR. MOHAMMED ALI HUSSAIN
4)DR. M. KAMESWARA RAO

(57) Abstract :
ABSTRACT Exemplary embodiments of the present disclosure are directed towards A system for using biometric data for providing security and identification comprising of: a computing device configured to establish communication with the biometric verification system through a network, and a verification engine configured to access the applications of a user; a finger print scanner; and a biometric scanner, to scan a finger print of the user and the finger prints are configured to be converted into a numerical data and stored in a memory of the computing device; and a fingerprint sensor configured to sense the data obtained from the finger print scanner; and the biometric scanner; and the data is sent to the computing device for data analytics of the user.

No. of Pages : 22 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/01/2018

(21) Application No.201841001453 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SYSTEM AND METHOD FOR PLANT PATHOLOGY IN IMPROVING CROP DISEASE RESISTANCE

(51) International classification	:C12N 1/20
(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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(72)**Name of Inventor :**
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2)DR. MOHAMMED ALI HUSSAIN
3)DR. M. KAMESWARA RAO
4)G. BALRAM

(57) Abstract :
Exemplary embodiments of the present disclosure are directed towards to a system and method for plant pathology in improving crop disease resistance, the system comprising: an image capturing module configured to capture a plurality of leaves, the plurality of leaves comprises a plurality of disease spots and a plurality of captured images comprises at least one of: a plurality of front views, a plurality of rear views, a plurality of right side views, a plurality of left side views, a plurality of top views, and a plurality of bottom views. The system further comprising an image restructuring module configured to form a color transformation structure and then the color transformation applied to the plurality captured images, the plurality of captured images segmented into a plurality of pixels by an image segmentation module and a plurality of infected clusters from the plurality of pixels converted to a hue-saturation format by the image restructuring module. The system further comprising a spatial gray-level dependence technique configured to create a plurality of matrices for the hue-saturated images, the created plurality of matrices used to calculate texture statistics by a texture calculating module and a plurality of disease characteristics are recognized by a recognition module based on the calculated texture characteristics.

No. of Pages : 24 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/01/2018
(21) Application No.201841001752 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DIGITAL CIRCUITS FOR RADICALLY REDUCED POWER AND IMPROVED TIMING PERFORMANCE ON ADVANCED SEMICONDUCTOR MANUFACTURING PROCESSES

(51) International classification	:H01L21/335; H01L29/772
(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 :NO. 10/583, MYTHRI LANE, RV PURAM P.O, THRISSUR, KERALA, INDIA. Kerala India
(72)**Name of Inventor :**
1)Ignatius Bezzam
2)Neelam Rawat

(57) Abstract :
Disclosed is a resonant circuit and method for matched clock and data timing performance for improving timing closure of digital circuits on advanced semiconductor manufacturing processes. The matched resonance circuit comprises pulse generator circuit (202) and plurality of generating latches (206A-N) and plurality of sampling latches (304A-N). The pulse generator circuit (202) comprises plurality of inverters (210A-N), optimum resistance (214) and exclusive OR (Ex-OR) gate (218) which are connected in series and a matched capacitance. The pulse generator circuit (202) generates timing pulse output using one or more buffers and clock inductor. Each generating latch receives clock timing pulse output as timing pulse into plurality of sampling flip-flop latches (304A-N) through clock sample path (CS) to match arrival of timing pulse and outputs of plurality of input data lines that are resonated by connecting one or more of respective load capacitances with at least one shared inductor (208)

No. of Pages : 28 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/01/2018

(21) Application No.201841001813 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD, DEVICE, AND SYSTEM FOR PREDICTING AND CACHING USER ACTIVITY FOR SEAMLESS USER EXPERIENCE WITHIN VEHICLES

(51) International classification	:H04L29/02
(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 :**
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(72)**Name of Inventor :**
1)ARNIK SARKAR
2)SRIMANTA KUNDU
3)SUJEET SAHA

(57) Abstract :
A method, device, and system for predicting and caching user activity for seamless user experience within vehicles is disclosed. The method includes identifying a contextual information based on current activity associated with a user within the vehicle. The method further includes retrieving predictive information from a remote server or a local cache within the vehicle, based on a type of the contextual information. The method includes rendering the predictive information to the user within the vehicle in response to retrieving. The method further includes capturing response of the user to the predictive information rendered to the user as a user feedback. Fig. 2

No. of Pages : 30 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/01/2018

(21) Application No.201841001820 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A COMPUTER IMPLEMENTED SYSTEM AND METHOD FOR BOOTSTRAPPING OF SERVICES

(51) International classification	:G06F15/00; G06F9/00
(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)SABOO, Aarti
3)LASKAR, Suhail Ameen

(57) Abstract :
ABSTRACT A COMPUTER IMPLEMENTED SYSTEM FOR BOOTSTRAPPING OF SERVICES AND METHOD THEREOF A system (100) for bootstrapping of services, wherein the system (100) comprises a first communication device (104) configured to communicate a user feedback data of a plurality of users and a second communication device (106) configured to communicate a service provider data related to the plurality of users to a management server (102) over a network, wherein the management server (102) cooperates with a database (108). The management server (102) comprises a logging module (208) which receives user feedback data from a registered user and checks for authenticity of said user feedback data based on pre-determined attributes. An extracting module (210) extracts pre-determined categories from a dataset. The extracting module (210) processes the authenticated user feedback data and assigns a value corresponds to the authenticated user feedback data. A ranking module (212) ranks at least one service of a plurality of service providers based on the assigned value.

No. of Pages : 33 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/01/2018

(21) Application No.201841001881 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : BIOPROCESS TECHNIQUE FOR PRODUCTION OF SECONDARY METABOLITES FROM PLANT CELLS USING TEXTILE DYE EFFLUENTS

(51) International classification :C12N5/04
(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)APARAJITHA. S
4)CHITRA SRIKANTAN

(57) Abstract :
A bioprocess technique for production of secondary metabolites from plant cells using textile dye effluents. A process of production of secondary metabolites tocopherols including but not limited to a-tocopherol and phytosterols including but not limited to stigmasterol, campesterol and -sitosterol from Helianthus annuus is discussed herein.

No. of Pages : 19 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/01/2018

(21) Application No.201841001454 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD FOR RISK MANAGEMENT OF WEB BASED INFORMATION

(51) International classification	:G06Q10/00; 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

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2)B CHAITANYA KRISHNA
3)J. SATISH BABU

(57) Abstract :
Exemplary embodiments of the present disclosure are directed towards a method for risk management of web based information comprising of commencing of risk management process and the application being divided into modules and each of the module functions as a single domain; assessing the risk involved in the effort for the functioning of the application with an effort analysis to estimate the effort based on a source code analysis and a questionnaire acquisition process and the risk assessment structure is incremental in nature; and communicating the risk post evaluating the risk factors and the communication is succeeded by an output of the result of the risk management process upon the non-involvement of additional risks.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/01/2018
(21) Application No.201841001456 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CHIRAL PLASMONIC LIQUID CRYSTALLINE GOLD NANOPARTICLES AND METHOD THEREOF

(51) International classification	:B82B3/00; B82Y30/00; B82Y40/00;
(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)D S Shankar Rao
3)S. Krishna Prasad
4)Geetha G Nair
5)Sachin Ashok Bhat

(57) Abstract :
Title: Chiral Plasmonic Liquid Crystalline Gold Nanoparticles and method thereof Abstract: The present invention provides nanocompounds assembling into liquid crystalline helical structures. The compounds are monodisperse liquid crystalline-gold nanocompounds self assembling into fluid lamellar structure exhibiting circulardichroism activity. The invention also provides a simple, hassle-free protocols in the preparation of said compounds that involve addition of liquid crystalline dimer like arylamines to Au(III) where the amines not only reduce Au(III) to Au(0) but also bind strongly to the gold nano particles.

No. of Pages : 67 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/01/2018

(21) Application No.201841001490 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : AN INTEGRATED TEST BENCH DEVICE FOR TESTING OF FRICTIONAL BEHAVIOR OF MATERIALS

(51) International classification	:G01L5/288; G01N19/02
(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)PAUL G PANICKER
2)N. SASI
3)Dr. V R RAJEEV
4)Dr. N. ASOK KUMAR

(57) Abstract :
An integrated test bench device for testing of frictional behavior of materials is disclosed. The test bench device works in both rotary and reciprocating sliding conditions in a single setup. The device comprises a base (1), a motor (2) with variable frequency drive, two drive shaft assemblies (5, 6), a rotary module (3), a reciprocating module (4), two loading systems, load sensors and specimen holders. The rotary module (3) in which rotary sliding conditions of an automobile brake pad sliding with the wheel counter rim is simulated on a specimen level or a representative sample level and frictional load is recorded. The reciprocating module (4) holds the representative sample, simulates the sliding conditions of piston ring and cylinder and the reciprocating loads are sensed by load cell. The motor (2) axis is manually oriented in two mutually perpendicular directions to work in both rotary and reciprocating conditions.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/01/2018

(21) Application No.201841001551 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : AN IMPROVED PROCESS FOR THE PREPARATION OF DOCOSANOL AND INTERMEDIATES THEREOF

(51) International classification	:C07C 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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2)Achampeta Kodanda Ramprasad
3)Rebelli Pradeep
4)Rachakonda Venkatesham

(57) Abstract :
The present application relates to an improved and novel process for the preparation of docosanol, which is represented by the following structural formula-1. 5 Formula-1

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/01/2018

(21) Application No.201841001563 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A HAIR TOWEL FASTENING SYSTEM

(51) International classification	:A47K 10/02, A45D 20/00
(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)BHARATHI.S

(57) Abstract :
The present invention provides a hair towel fastening system. The hair towel fastening system includes a headband fastening system 16 and a hair bun fastening system 5. The headband fastening system provided at the head covering portion 12 of the hair towel 1 for securing the hair towel 1 around the head. The headband fastening system includes a headband 2, a hook fastener 3 and a holding fastener 4. The hook fastener 3 configured to engage with said holding fastener 4 and thereby securing the hair towel 1 around the head. The hair bun fastening system provided at a contiguous hair covering portion 11 configured for securing the hair bun. The hair bun fastening system includes an elastic 6 and an adjuster 7 and a ring 8. The elastic 6 formed into a loop by engaging with said adjuster 7 and ring 8 thereby allowing to secure the hair bun. Fig. 1.

No. of Pages : 27 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/01/2018

(21) Application No.201841001900 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SEA WAVE BREAKER

(51) International classification :F03B13/14
(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)Antony Louis

(57) Abstract :
A sea wave breaker configured to reduce the impact of crashing waves on the shore by producing a counter wave from the incoming wave and directing it against the following incoming waves is disclosed. Said breaker has a first part (1) to receive the incoming waves, and second part (2) with a slanted opening (4) to discharge the water entered the first part at a higher velocity on to the incoming waves, in the form of a counter wave. The second part (2) is supported on the first part by means of supports (6), wherein both parts are connected together by a bent structure to form a contiguous entity. The breaker is configured to be supported by means of pillars (5) on the seashore.

No. of Pages : 15 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/01/2018

(21) Application No.201841001919 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CONSTANT VOLTAGE CONTROL, SOLID STATE RELAY DRIVE

(51) International classification	:H03K3/012, H03K3/017
(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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1)V.Chaitunya Krishna

(57) Abstract :
Abstract: Constant Voltage Control Solid State Relay Drive is a device developed for Solid State Relay switching of direct AC Load or device input current in accordance to preset Frequencies, by an astable timer and a Solid State Relay, inorder to maintain constant or fixed voltage, across the input of any AC Device to prevent the damage that can be caused by excess voltage which usually occurs due to the Fluctuations in the current supplied from the mains of Houses.Comercial buildings and Industries. The constant or fixed voltage maintained by the Solid State Relay drive, is dependent upon the frequency in Hertz set in the timer circuitary.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/01/2018

(21) Application No.201841002045 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DEVELOPMENT OF PRECAST POLYESTER RESIN CONCRETE PAVEMENT BLOCKS USING RECYCLED PRINTED CIRCUIT BOARD ELECTRONIC WASTE AS FILLER WITH RIVER SAND, FOUNDRY WASTE SAND, LIGNITE AND COAL BASED BOTTOM ASH AS FINE AGGREGATE AND FLY ASH AS MICRO FILLER

(51) International classification :G06Q10/00
(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 :**
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2)Nizaam Mohammed K J

(57) Abstract :
Electronic waste or e-waste describes discarded electrical or electronic devices. Used electronics which are destined for reuse, resale, recycling or disposal are also considered e-waste. Informal processing of e-waste in developing countries can lead to adverse human health effects and environmental pollution. Government of India issued e-waste (management and handling) rules, 2011 and it is modified as e-waste (management) rules 2016 in which it is addressed the collection and handling of waste only. In this invention, it is focused to utilise the E-waste especially in the form of waste printed circuit board powder obtained from processed and recovered recyclable material plant as filler material in polyester resin concrete formulation. In this research, the formulation of mix proportion utilizing the printed circuit board (PCB) waste as a filler material in polyester resin concrete using hard broken granite meta! (HBG) as coarse aggregate, river sand, foundry sand, lignite based bottom ash and coal based bottom ash as fine aggregate and fly ash as micro filler in polyester resin concrete by various proportions of micro filler to resin ratio, PCB to micro filler ratio, fine aggregate to PCB ratio and the resin percentage of the formulation by optimizing the strength of the mix. The mix proportion obtained by powers formula is to be modified for the purpose of maximizing the strength, i.e. the micro filler content is to be reduced and the resin content is to be increased so as to have uniform coating on the surface and the bond is fulfilled. The micro filler to resin (MFYR) ratio plays an important role in the strength of the resin concrete. The ratio is maintained between 1 and 2.5. Printed Circuit Board to Micro Filler (PCB/MF) ratio is also plays important role and it is in the range of 0.30 to 1. The maximum compressive strength of resin concrete cubes for the river sand using fly ash as micro filler is 59.88 MPa and split tensile strength of concrete cylinder is 5.3 MPa for the resin content 14 % the MF/R ratio, 0.273 the FAg/PCB Ratio is 9.3 and PCB/MF ratio 1. The maximum compressive strength of resin concrete cubes for the foundry sand using fly ash as micro filler is 48.19 MPa and split tensile strength of concrete cylinder is 4.16 MPa for the resin content 16 % the MF/R ratio 0.79 the FAg/PCB Ratio is 7.56 and PCB/MF ratio 0.3 respectively. The maximum compressive strength of resin concrete cubes for the lignite based bottom ash using fly ash as micro filler is 99-76 MPa and split tensile strength of concrete cylinder is 6.74 MPa for the resin content 18 % the MF/R ratio 0.66 the FAg/PCB Ratio is 3.75 and PCB/MF ratio 0.35 respectively. The maximum compressive strength of resin concrete cubes for the coal based bottom ash using fly ash as micro filler is 53-07 MPa and split tensile strength of concrete cylinder is 6.08 MPa for the resin content 18 % the MF/R ratio 0.60 the FAg/PCB Ratio is 1 and PCB/MF ratio 0.36 respectively. The flexural strength of precast polyester resin concrete block for the fine aggregate of river sand, foundry sand, lignite based bottom ash, coal based bottom ash for the size of 200mm x 100mm x 50mm are 25.2 MPa, 18MPa, 25.2 MPa, 14.4MPa, for the size 200mm x 100mm x 60mm are 21.25 MPa, 20.00 MPa, 28.56 MPa, lO.OOMPa for the size 160mm x 150mm x 45mm are 23.11 MPa, 17.97 MPa, 23-11 MPa, 5.13 MPa respectively.

No. of Pages : 25 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/01/2018

(21) Application No.201841002046 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : FORMULATION AND OPTIMIZATION OF MIX DESIGN USING THE RECYCLED PRINTED CIRCUIT BOARD - ELECTRONIC WASTE AS FILLER IN POLYESTER RESIN COMPOSITE USING LIGNITE & COAL BASED FLYASH AND GGBS AS MICRO FILLER.

(51) International classification :G06Q10/00
(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)P. RAVIKUMAR
2)NIZAAM MOHAMMED K J

(57) Abstract :
ABSTRACT FORMULATION AND OPTIMIZATION OF MIX DESIGN USING THE RECYCLED PRINTED CIRCUIT BOARD - ELECTRONIC WASTE AS FILLER IN POLYESTER RESIN COMPOSITE USING LIGNITE & COAL BASED FLYASH AND GGBS AS MICRO FnXER. Electronic waste or e-waste describes discarded electrical or electronic devices. Used electronics which are destined for reuse, resale, recycling or disposal are also considered e-waste. Informal processing of e-waste in developing countries can lead to adverse human health effects and environmental pollution. Government of India issued e-waste (management and handling) rules, 2011 and it is modified as e-waste (management) rules 2016 in which it is addressed the collection and handling of waste only. In this invention, it is focused to utilise the E-waste especially in the form of waste printed circuit board powder obtained from processed and recovered recyclable material plant as filler material in polyester resin composite formulation. In this research, the formulation of mix proportion utilizing the printed circuit board (PCB) waste as a filler material in polyester resin composite and Lignite based fly ash (HCFA), Coal based fly ash (LCFA) and ground granulated blast furnace slag (GGBS) as micro filler passing 75 microns in polyester resin composite by various proportions of micro filler to resin ratio, PCB to micro filler ratio and the resin percentage of the formulation by optimizing the strength of the mix. The mix proportion obtained by powers formula is to be modified for the purpose of maximizing the strength, i.e. the micro filler content is to be reduced and the resin content is to be increased so as to have uniform coating on the surface and the bond is fulfilled. The micro filler to resin (MF/R) ratio plays an important role in the strength of the matrix and resin composite, the ratio is maintained between 1 and 2.5 for all the mix proportion. Printed Circuit Board to Micro Filler (PCB/MF) ratio is also plays important role and it is in the range of 0.25 to 0.46 for the mix proportion. The maximum compressive strength of 105 MPa is obtained for polyester resin matrix of coal based fly ash as micro filler in the MF/R Ratio of 1.5 and the resin content of 40%. The maximum compressive strength of 94.27 MPa is obtained for polyester resin matrix of lignite based fly ash as micro tiller in the MF/R Ratio of 2.1 and the resin content of 32.13%. The maximum compressive strength of 116.34 MPa is obtained for polyester resin matrix of ground granulated blast furnace slag as micro filler in the MF/R Ratio of 2.3 and the resin content of 33.3%. The maximum compressive strength of polyester resin composite using PCB as filler and coal based fly Ash as micro filler is 78.57 MPa for the PCB/MF ratio 0.30, MF/R ratio 1.2 and the resin content of 39%. The maximum compressive strength of polyester resin composite using PCB as filler and lignite based fly Ash as micro filler is 101.55 MPa for the PCB/MF ratio 0.30, MF/R ratio 1.8 and the resin content of 30%. The maximum compressive strength of polyester resin composite using PCB as filler and Ground granular blast furnace slag (GGBS) as micro filler is 106.08 MPa for the PCB/MF ratio 0.30, MF/R ratio 1.8 and the resin content of 30%

No. of Pages : 19 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/01/2018

(21) Application No.201841002083 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD AND SYSTEM OF CONTEXT-BASED VISUAL CUE MANAGEMENT FOR CONTENT

(51) International classification	:G06F3/048; G06F3/0482
(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)Nikhil Meshram

(57) Abstract :
ABSTRACT Method and system of context-based visual cue management for content Embodiments herein provide a method for providing context-based visual cue in an electronic device. The method includes detecting an event while a user is scrolling a content. Further, the method includes dynamically determining a context of the content based on a scrolling pattern of the content. Furthermore the method includes causing to display a visual cue based on the context of the content. The proposed method can be used to display the visual cue based on the context of the content, where the visual cue is displayed in a direction of scrolling of the content. Further, the visual cue includes recommendations which are contextually related to the content. The proposed method can be used to dynamically determine the context of the content based on the scrolling pattern and interaction pattern of the content. This results in improving the user experience. FIG. 1

No. of Pages : 81 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/01/2018

(21) Application No.201841002090 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CONSTANT CURRENT DRIVER CHARGING ENERGY STORAGE UNIT

(51) International classification	:H02J7/00; H02J9/06
(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)WENDT, Matthias

(57) Abstract :
The present invention relates to a functional device (10) powered by a constant current driver (12). The device (10) comprises constant current driver (12), electrical energy storage unit (14), functional unit (16), and control unit (18). The device (10) is controlled by the control unit (18) such that the constant current driver (12) provides a constant current to 5 the functional unit (16) and the storage unit (14) in dependence of a pulse width modulated voltage signal. Current is provided to the storage unit (14) for charging the storage unit (14) during at least part of off periods of the pulse width modulated voltage signal. During on periods of the pulse width modulated voltage signal, current is provided to the functional unit (16) and no current is provided to the storage unit (14). This allows providing the device with 10 a constant current driver with less idle periods and lower current supply.

No. of Pages : 33 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/01/2018

(21) Application No.201841002093 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : INPUT VOLTAGE ADAPTED POWER CONVERSION

(51) International classification	:H02J3/38; H02M3/335;
(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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(57) Abstract :
The present invention relates to a functional device (10A) with improved power conversion efficiency. The functional device (10A) comprises a functional unit (12), two or more energy storage units (14A, 14B, 14C, 14D), and an electric power converter unit (16). The electric power converter unit (16) is configured to receive an input voltage from an 5 external power source (20) and to provide converted input voltage to a charging set (28A) of the energy storage units (14C, 14D) which are connected in series with each other having a charging set voltage adapted to the input voltage received from the external power source (20). A discharging set (32A) of the energy storage units (14A, 14B) is configured to provide an output voltage adapted to a functional unit input voltage required by the functional unit 10 (12) to the functional unit (12). This allows an improved power conversion efficiency. Fig. 3

No. of Pages : 37 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/01/2018
(21) Application No.201841002124 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD AND RESPONSE RECOMMENDATION SYSTEM FOR RECOMMENDING A RESPONSE FOR A VOICE-BASED USER INPUT

(51) International classification	:G06Q30/06; H04M1/64; H04M3/42
(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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(57) Abstract :
Disclosed herein is a method and system for recommending a response for a voice-based user input. The method includes detecting voice-based user input or input based on a query provided by a user. The method includes, extracting one or more voice parameters from pronunciation of the input. Thereafter, a disease type associated with the user is identified based on one or more voice parameters. Further, system verifies correctness of each word in the input based on comparison of each of the one or more voice parameters with a first set of predetermined corresponding one or more voice parameters associated with the disease type. Finally, the response is recommended for the input based on verification of correctness of each word in the input. The present disclosure recommends an accurate response for the input since one or more words detected incorrectly are auto corrected and provides a better user experience. FIG. 2

No. of Pages : 34 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/04/2019

(21) Application No.201947013458 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DATA DISPLAY METHOD AND DEVICE STORAGE MEDIUM AND TERMINAL

(51) International classification :G06F3/0484
(31) Priority Document No :201710110737.2
(32) Priority Date :27/02/2017
(33) Name of priority country :China
(86) International Application No :PCT/CN2018/072865
Filing Date :16/01/2018
(87) International Publication No :WO 2018/153180
(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)KANG, Liang
7)QIAN, Jing

(57) Abstract :
This application discloses a data display method and apparatus, a storage medium, and a terminal. The method includes: obtaining a data display request; displaying a requested entry in a display interface in response to the data display request, the entry including first target data and second target data, there being a predetermined association relationship between the first target data and the second target data, and the second target data being hidden in the display interface; determining a target region based on a predetermined operation performed on a mask layer, the mask layer matching the second target data; and displaying the second target data in the target region. According to this application, a problem of relatively low display flexibility caused in a related data display manner is resolved.

No. of Pages : 49 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/06/2019

(21) Application No.201947023876 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : RESOURCE ALLOCATION FOR NARROWBAND COMMUNICATIONS USING AN EXPANDED BANDWIDTH

(51) International classification :H04L5/00H04L1/00
(31) Priority Document No :201741003034
(32) Priority Date :27/01/2017
(33) Name of priority country :India
(86) International Application No :PCT/US2018/013597
Filing Date :12/01/2018
(87) International Publication No :WO 2018/140247
(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)RICO ALVARINO, Alberto
5)XU, Hao

(57) Abstract :
A method a computer-readable medium and an apparatus are provided. The apparatus may allocate one or more narrowbands for at least one downlink transmission to a UE. The apparatus may transmit information associated with the one or more narrowbands and a RIV to the UE. In one aspect the RIV may indicate a common starting RB and a common set of RBs allocated for the at least one downlink transmission in each of the one or more narrowbands.

No. of Pages : 76 No. of Claims : 88

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/06/2019

(21) Application No.201947023877 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : FREQUENCY AND TIME DOMAIN MULTIPLEXING FOR LOW PEAK-TOAVERAGE POWER RATIO (PAPR) WAVEFORM DESIGN WITH MULTIPLE STREAMS

(51) International classification :H04L27/26H04B7/26H04L5/00
(31) Priority Document No :62/451007
(32) Priority Date :26/01/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/012812
Filing Date :08/01/2018
(87) International Publication No :WO 2018/140222
(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)LUO, Tao
9)JI, Tingfang

(57) Abstract :
Methods systems and devices for wireless communications are described that support frequency and time domain multiplexing for low peak-to-average waveforms with multiple streams. A user equipment (UE) may identify sets of symbols associated with different streams (e.g. multiple single-carrier discrete Fourier transform (DFT)-spread waveforms) where each stream may be associated with a low peak-to-average power ratio (PAPR). In some cases different waveforms may be mapped to subsets of frequency resources through frequency division multiplexing (FDM). The UE may further reduce the PAPR of the multiplexed waveforms by performing time division multiplexing (TDM) across the single-carrier streams and sets of symbols that are not used by one waveform may be used by another waveform. Frequency domain phase ramps may be applied to align the multiplexed waveforms. Signals included in an uplink transmission according to these techniques may maintain properties similar to single-carrier waveforms including a low PAPR.

No. of Pages : 44 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/06/2019

(21) Application No.201947024063 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : GRAPHICAL USER INTERFACE TO DISPLAY INVENTORY DATA AT MERCHANT LOCATIONS

(51) International classification :G06Q10/08
(31) Priority Document No :15/389444
(32) Priority Date :22/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/054115
Filing Date :28/09/2017
(87) International Publication No :WO 2018/118178
(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 graphical user interface displays inventory data that has been determined based on user supplied data and merchant supplied data. When a user searches for a product on a search engine computing system the search engine computing system associates the searched items with the user. The search engine computing system logs if a user visits a local merchant location associated with the searched product. The search engine computing system requests inventory data from the user for the product at the local merchant location. The search engine computing system aggregates the user response with other user responses and incorporates the responses with the inventory data provided by the merchant. The inventory display may include one or more inventory metrics to provide more useful inventory data to the user.

No. of Pages : 28 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/06/2019

(21) Application No.201947024568 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CURRENT INDICATION CHANNEL FOR EMBB/URLLC MULTIPLEXING

(51) International classification :H04W72/04H04L5/00
(31) Priority Document No :62/455272
(32) Priority Date :06/02/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/013319
Filing Date :11/01/2018
(87) International Publication No :WO 2018/144203
(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)HOSSEINI, Seyedkianoush
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3)LI, Chong
4)JIANG, Jing

(57) Abstract :
Aspects of the present disclosure describe an indication channel for wireless communications that indicates whether an ultra-reliable low-latency communication (URLLC) transmission is present in a current mini-slot within an enhanced mobile broadband (eMBB) slot. A base station may determine that an indication message is to be transmitted within the eMBB slot. The indication message may indicate that at least a portion of the mini-slot of the eMBB slot is used for the URLLC transmission. The base station may allocate one or more resources to an indication channel in a same mini-slot as the portion of the mini-slot to be used for the URLLC transmission. The base station may transmit the indication message during the mini-slot on the indication channel using the allocated one or more resources. A UE may receive the indication channel and process at least the portion of the mini-slot based on whether the indication message is received.

No. of Pages : 30 No. of Claims : 48

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/06/2019

(21) Application No.201947024636 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CHUCK DEVICE

(51) International classification :B23B31/18
(31) Priority Document No :2016-228367
(32) Priority Date :24/11/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/042146
Filing Date :24/11/2017
(87) International Publication No :WO 2018/097219
(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)HIRATA, Yuichi
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8)OKA, Yujiro

(57) Abstract :
The present invention provides an inexpensive chuck device that can achieve both a stable gripping operation and a high degree of accuracy in gripping and can also reduce limitations in the gripping of a workpiece. According to the present invention a chuck device is provided the chuck device being characterized by comprising a chuck main body and a master jaw wherein the chuck main body has an oscillation supporting hole and the oscillation supporting holes are rotatably provided in plurality around a rotational axis of the chuck main body and wherein the master jaw has a top jaw detachably provided on one end thereof and is fitted into the oscillation supporting hole while maintaining surface contact therewith to enable sliding contact.

No. of Pages : 14 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2019

(21) Application No.201947024679 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : VIRAL DELIVERY OF NEOANTIGENS

(51) International classification	:A61K31/404A61K31/7088A61K39/00
(31) Priority Document No	:62/425,996
(32) Priority Date	:23/11/2016
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2017/063133 :22/11/2017
(87) International Publication No	:WO 2018/098362
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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4)DERTI, Adnan
5)GITLIN, Leonid
6)GROTENBREG, Gijsbert
7)JOOSS, Karin
8)SCALLAN, Ciaran Daniel
9)YELENSKY, Roman

(57) Abstract :
Disclosed herein are chimpanzee adenoviral vectors that include neoantigen-encoding nucleic acid sequences derived from a tumor of a subject. Also disclosed are nucleotides cells and methods associated with the vectors including their use as vaccines.

No. of Pages : 255 No. of Claims : 81

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2019

(21) Application No.201947024681 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ARTICLE TRANSFER DEVICE

(51) International classification :B65G1/04
(31) Priority Document No :2016-230456
(32) Priority Date :28/11/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/041857
Filing Date :21/11/2017
(87) International Publication No :WO 2018/097139
(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)TAGUCHI, Kazuhiro
3)MIYAMOTO, Masaya

(57) Abstract :
The object is to provide an article transfer device which is so configured to make it difficult for load shifting to occur even if a power failure occurs during a transferring operation of one or more articles. An article transfer device (10) includes: one or more support member actuators (20) for projecting and retracting a support member (37) for one or more articles (B) to be supported by, between a retracted position and a projected position; a support member controller (8); and a main power supply (1) for receiving electric power to supply electric power to the one or more support member actuators (20) and the support member controller (8). The article transfer device (10) further comprises an auxiliary power supply (2) for supplying electric power to the one or more support member actuators (20) and the support member controller (8) if electric power being supplied to the main power supply (1) is interrupted. If a power failure occurs in which electric power being supplied to the main power supply (1) is interrupted, the support member controller (8) preferentially performs an actuating operation of the one or more support member actuators (20) to project or retract the support member (37), using electric power of the auxiliary power supply (2). [Figure 5]

No. of Pages : 24 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/01/2018

(21) Application No.201841002139 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DYNAMIC TCP CONGESTION CONTROL MECHANISM FOR NEXT GENERATION MOBILE NETWORKS

(51) International classification :H04J3/14
(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)Madhan Raj Kanagarathinam
4)Hongshik Kim
5)Sungin Kim
6)Avinash Bhat Mulky

(57) Abstract :
ABSTRACT Method and an electronic device for dynamically controlling TCP congestion window Accordingly the embodiments herein provide a method for dynamically controlling a TCP congestion window. The method includes estimating, by an electronic device 100, a real time available bandwidth for an available network. Further, the method includes deriving, by the electronic device 100, a dynamic congestion window control factor from the estimated real time available bandwidth. Further, the method includes modifying, by the electronic device 100, the congestion window based on the derived dynamic congestion window control factor. In an embodiment, the congestion window is modified by passing the real time available bandwidth information from a lower layer of a modem to a higher layer of a TCP Stack and adjusting the congestion window. FIG. 2

No. of Pages : 50 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/01/2018

(21) Application No.201841002146 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ELECTRONIC VOTING MACHINE (EEVM)

(51) International classification	:G07C 13/00
(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)K., Indira Devi
4)K.C., Chethan
5)SHAHANI, D.T.
6)AGARWALA, A.K.
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8)MOONA, Rajat

(57) Abstract :
Enhanced Electronic Voting Machine (eEVM) that enables totally secure voting and verification (if required) is disclosed. The eEVM comprises of a control unit (CU) that controls one or more ballot units (BU) which are adapted to store votes franchised by the voters, and calculates election results in a controlled and highly efficient manner. Self-diagnostic health monitoring system is incorporated in the eEVM. Once diagnosis is completed, mutual authentication is performed between control unit (CU) and customer approved external devices to establish secure communication. Any attempt to tamper/sabotage security mechanisms renders alerts and/or renders the eEVM inoperative. The eEVM can be connected to external devices such Printer Cum Auxiliary Display Unit (PADU) as required.

No. of Pages : 42 No. of Claims : 56

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/07/2019

(21) Application No.201947026381 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : TRANSPARENT RESOURCE MATCHING

(51) International classification :G06Q30/06G06Q20/40G06Q40/02
(31) Priority Document No :201611121965.1
(32) Priority Date :08/12/2016
(33) Name of priority country :China
(86) International Application No :PCT/US2017/065252
Filing Date :08/12/2017
(87) International Publication No :WO 2018/106995
(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, Qirui
3)LU, Gang

(57) Abstract :
Information associated with matching a resource between two or more first users is generated by a resource platform. The information is transmitted by the resource platform to at least one user of the two or more first users. One or more verification results associated with the information are received by the resource platform and from one or more second users. A determination is made by the resource platform that the information is verified by the one or more second users based on the received one or more verification results. In response to the determination the resource is transferred between the two or more first users by the resource platform.

No. of Pages : 29 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/07/2019

(21) Application No.201947026446 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD FOR CREATING A THREE-DIMENSIONAL VIRTUAL REPRESENTATION OF A PERSON

(51) International classification :G06T7/50
(31) Priority Document No :1750342
(32) Priority Date :17/01/2017
(33) Name of priority country :France
(86) International Application No :PCT/FR2018/050114
Filing Date :17/01/2018
(87) International Publication No :WO 2018/134521
(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 creating a three-dimensional virtual representation oCLAIMS 1 - A method for creating a three-dimensional virtual representation of a person comprising the steps of: (a) acquiring a plurality of images of a person located in a reference position in an imaging cabin b) calculating by photogrammetry, a crude mesh of said actual person, characterized in that said step of acquiring the plurality of images consists in recording a series of at least eighty simultaneous images coming from image sensors distributed across the inner surface of a closed ovoid-shaped cabin provided with an access door, said image sensors being distributed in a homogeneous manner with respect to the axis of symmetry of said cabin. 2 - A method for creating a three-dimensional virtual representation according to claim 1, characterized in that the photosensitive surface of the image sensors has a size of less than 25x25 millimetres. 3 - A method for creating a three-dimensional virtual representation according to claim 1 or claim 2, characterized in that the inner surface of said cabin has non-repetitive contrast patterns, the method comprising at least one step of calibration consisting in acquiring a session of images of the cabin without a person being present, the step of photogrammetry comprising a step of calculating an ID image by subtracting the acquired image in the presence of a person in the cabin and the calibration image corresponding to the same image sensor. 4 - A method for creating a three-dimensional virtual representation according to any one of claims 1 to 3, characterized in that the step of photogrammetry includes the steps of creating a cloud of 3D points by extracting, in each of the close-cut images IDi, of the characteristic f a person comprising the steps of: a) acquiring a plurality of images of a person located in a reference position in an imaging cabin and b) calculating by photogrammetry a crude mesh of said actual person. The step of acquiring the plurality of images consists of recording a series of at least twenty-four simultaneous images coming from image sensors distributed across the inner surface of a closed ovoid-shaped cabin provided with an access door said image sensors being distributed in a homogeneous manner with respect to the axis of symmetry of said cabin.

No. of Pages : 16 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/07/2019

(21) Application No.201947026581 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : PAYMENT PAGE DISPLAY METHOD CLIENT AND ELECTRONIC DEVICE

(51) International classification :G06Q20/32G06Q20/40
(31) Priority Document No :201611128026.X
(32) Priority Date :09/12/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/113565
Filing Date :29/11/2017
(87) International Publication No :WO 2018/103560
(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)LIU, Lindong

(57) Abstract :
An embodiment of the present application discloses a payment page display method a client and an electronic device. The method comprises: a client receives a first signal in a preset range; when the first signal received by the client is a preset feature signal the client displays a payment page; the payment page comprises a payment authorization code. The payment page display method the client and the electronic device provided by the embodiments of the present application can improve the convenience of the payment page display thereby improving payment efficiency and user experience. Fig 1.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/07/2019

(21) Application No.201947026664 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CONTEXTUAL LIST VIEWING WITH SPARSE FEEDBACK

(51) International classification :G16H10/60
(31) Priority Document No :62/430577
(32) Priority Date :06/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2017/081541
Filing Date :05/12/2017
(87) International Publication No :WO 2018/104312
(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)CHANG, Paul, Joseph

(57) Abstract :
A system includes a ranking engine (110) and a user interface (130). The ranking engine receives a list (114) for a patient which includes a plurality of occurrences (210) and computes a relevance score for each occurrence (210) in the list. The computed relevance score is according to a relevance scheme (116) that maps relevance scores from a lexicon controlling the list to each of the plurality of occurrences. The user interface (130) displays the list on a display device (137) of a local computing device (140) ordered by a presented computed relevance score that includes the computed relevance score. Each displayed occurrence of the plurality of occurrences includes a feedback indicator (136). The user interface receives feedback comprising an input for one displayed occurrence of the plurality of occurrences according to the feedback indicator which indicates the one displayed occurrence is to be displayed higher or lower in the list than a current position. The input is a binary indicator.

No. of Pages : 14 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/07/2019

(21) Application No.201947026671 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DISTRIBUTED MULTI-USER (MU) WIRELESS COMMUNICATION

(51) International classification :H04B7/024H04B7/0452H04B7/0417
(31) Priority Document No :62/459,290
(32) Priority Date :15/02/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/013943
Filing Date :17/01/2018
(87) International Publication No :WO 2018/151888
(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)TIAN, Bin

(57) Abstract :
This disclosure provides systems methods and apparatus including computer programs encoded on computer storage media for group formation and sounding for distributed multi-user multiple input multiple output (MU-MIMO). Some implementations include a method of wireless communication. The method includes transmitting from a first access point of a plurality of access points an announcement frame for performing a beamforming procedure for a distributed transmission. The distributed transmission includes a transmission from the plurality of access points. The announcement frame includes at least one identifier of a user terminal in a different basic service set than a basic service set of the first access point. The method further includes transmitting a packet for measuring a channel. The method further includes receiving feedback information from the user terminal based on the packet for measuring the channel. The method further includes transmitting the distributed transmission using the beamforming procedure.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/07/2019

(21) Application No.201947026673 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : REFINEMENT OF STRUCTURED LIGHT DEPTH MAPS USING RGB COLOR DATA

(51) International classification :G06T5/00G06T5/50
(31) Priority Document No :15/432,783
(32) Priority Date :14/02/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/014022
Filing Date :17/01/2018
(87) International Publication No :WO 2018/151891
(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)SIDDIQUI, Hasib
2)ATANASSOV, Kalin
3)NASH, James

(57) Abstract :
Systems and method for refining a depth map of a scene based upon a captured image of the scene. A captured depth map of the scene may contain outage areas or other areas of low confidence. The depth map may be aligned with a color image of the scene and the depth values of the depth map may be adjusted based upon corresponding color values of the color image. An amount of refinement for each depth value of the aligned depth map is based upon the confidence value of the depth value and a smoothing function based upon a corresponding location of the depth value on the color image.

No. of Pages : 22 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/02/2019

(21) Application No.201947005111 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DEVELOPMENT CARTRIDGE HAVING SEALING MEMBER

(51) International classification :G03G15/08
(31) Priority Document No :10-2017-0009343
(32) Priority Date :19/01/2017
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2018/000773
Filing Date :17/01/2018
(87) International Publication No :WO 2018/135846
(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, Jong In

(57) Abstract :
Disclosed is a development cartridge detachable from a main body of an image forming apparatus. The development cartridge includes a lateral waste toner sealing member contacting an end portion of a photosensitive drum in a lengthwise direction of the photosensitive drum to prevent a waste toner from leaking through the end portion of the photosensitive drum and a photosensitive frame including a waste toner container to contain the waste toner a first attachment surface to which the lateral waste toner sealing member is attached and a side wall to form a boundary at an upstream side of the first attachment surface with respect to a rotation direction of the photosensitive drum. The lateral waste toner sealing member includes an opposite surface facing the side wall and a protrusion protruding towards the side wall is provided on the opposite surface.

No. of Pages : 23 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/07/2019

(21) Application No.201947027182 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : GLYCERIN- AND PROTEIN-BASED FOAM CANDY PRODUCTS WITH PROBIOTIC BACTERIA

(51) International classification :A23L33/135A23G3/36A23G3/42
(31) Priority Document No :16204132.1
(32) Priority Date :14/12/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/082820
Filing Date :14/12/2017
(87) International Publication No :WO 2018/109087
(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)DOLMER, Mogens

(57) Abstract :
The present invention relates to a glycerin- and protein-based candy product comprising probiotic bacteria said product having a moisture content less than 9% and a water activity (aw) of less than 0.5 and comprising a) glycerin in an amount of at least 5% (w/w) b) at least one saccharide or at least one polyol which is not glycerin or a mixture thereof c) at least one protein which is not gelatin and d) at least one species of a probiotic bacterium and optionally e) at least one hydrocolloid. In a presently preferred embodiment the protein is a hydrolyzed protein. Further the invention relates to processes for producing a glycerin- and protein-based candy product comprising probiotic bacteria.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/07/2019

(21) Application No.201947027183 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A PROCESS FOR THE SYNTHESIS OF AMMONIA

(51) International classification :C01C1/04
(31) Priority Document No :16203939.0
(32) Priority Date :14/12/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/074313
Filing Date :26/09/2017
(87) International Publication No :WO 2018/108345
(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)PANZA, Sergio

(57) Abstract :
A dual pressure process for the synthesis of ammonia from a make-up gas, wherein the make-up gas is reacted in two steps in series, the second step operating at a greater pressure than the first step, and wherein a portion of the effluent of the first step is recycled back to the first step, said portion containing unreacted make-up gas. (FIG-1)

No. of Pages : 9 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/07/2019

(21) Application No.201947027193 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SHEARED PAD DETECTION SYSTEMS AND METHODS

(51) International classification :G01N21/78G06T7/00G06K9/20
(31) Priority Document No :62/434,964
(32) Priority Date :15/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/066869
Filing Date :15/12/2017
(87) International Publication No :WO 2018/112438
(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)VIDAL, Patricio
4)GODEFROY, Christophe
5)YEAGER, Gregory
6)LEON, Jorge

(57) Abstract :
Embodiments of the present invention encompass systems and methods for detecting the presence of a test pad on a test strip. Exemplary techniques involve receiving a test strip having at least one test pad where individual test pads have a pad width with ink disposed on two ink zones at two opposing sides of the width of the pad illuminating the at least one test pad with a light source detecting reflected signals from the test pad generating an image comprising of pixels of the two ink zones based on the reflected signals detecting the presence of each of the ink zones by comparing the number of consecutive pixels against a predetermined threshold and determining the presence of the test pad on the test strip if two ink zones are detected within the pad width.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/07/2019

(21) Application No.201947027219 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : TEMPORARILY SUPPRESSING PROCESSING OF A RESTRAINED STORAGE OPERAND REQUEST

(51) International classification :G06F9/30
(31) Priority Document No :15/404,254
(32) Priority Date :12/01/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2018/050461
Filing Date :09/01/2018
(87) International Publication No :WO 2018/130522
(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)GIAMEI, Bruce, Conrad
2)JACOBI, Christian
3)SHUM, Chung-Lung
4)SCHMIDT, Donald, William
5)ROSA, Daniel
6)SAPORITO, Anthony

(57) Abstract :
Processing of a storage operand request identified as restrained is selectively temporarily suppressed. The processing includes determining whether a storage operand request to a common storage location shared by multiple processing units of a computing environment is restrained and based on determining that the storage operand request is restrained then temporarily suppressing requesting access to the common storage location pursuant to the storage operand request. The processing unit performing the processing may proceed with processing of the restrained storage operand request without performing the suppressing where the processing can be accomplished using cache private to the processing unit. Otherwise the suppressing may continue until an instruction or operation of an instruction associated with the storage operand request is next to complete.

No. of Pages : 29 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/07/2019

(21) Application No.201947027260 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : STEEPING APPARATUS AND METHODS FOR BREWING A BEVERAGE

(51) International classification :A47J31/20
(31) Priority Document No :1621221.9
(32) Priority Date :14/12/2016
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2017/053502
Filing Date :22/11/2017
(87) International Publication No :WO 2018/109431
(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)PATEL, Abdul Ebrahim

(57) Abstract :
A steeping apparatus (10) includes a container (12) and a partition (22) dividing the container into upper and lower chambers (24 26). The partition has a central aperture (32 Fig. 2) which interconnects the chambers and is arranged to trap a volume of air 38 in the lower chamber when the container is filled with liquid. Hot water poured into the upper chamber (24) passes through the aperture to partially fill the lower chamber trapping a volume of air (38). Brewing material (34) located in the upper chamber (24) steeps in the hot water to produce a beverage and gradually sinks into the lower chamber (26) through the aperture. The air (38) trapped in the lower chamber applies a force to the liquid inhibiting movement of liquid between the chambers so that the brewing material (34) is isolated from the beverage. In other embodiments the partition is pressed down through the container after brewing to isolate the brewing material. Fig.1

No. of Pages : 30 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/07/2019

(21) Application No.201947027261 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : NAPHTHA CATALYTIC CRACKING METHOD WITH COMPARTMENTS IN THE TURBULENT FLUIDISED BED REACTOR

(51) International classification :B01J8/26B01J8/18B01J8/34
(31) Priority Document No :1662537
(32) Priority Date :15/12/2016
(33) Name of priority country :France
(86) International Application No :PCT/EP2017/082087
Filing Date :08/12/2017
(87) International Publication No :WO 2018/108751
(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)CLOUPET, Ann
2)RAYNAL, Ludovic

(57) Abstract :
The present invention describes a turbulent fluidized bed reactor having a diameter of between 6 and 25 meters and an H/D ratio of between 0.1 and 1, and exhibiting a compartmentation with a central zone, this reactor been particularly well suited to the catalytic cracking of light cuts for the purpose of producing major intermediates of petrochemistry and in particular light olefins. (Figure 1)

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/07/2019

(21) Application No.201947027262 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD FOR THE OPEN-LOOP AND/OR CLOSED-LOOP CONTROL OF THE GAS THROUGHPUT IN THE BAKING CHAMBER OF A BAKING DEVICE

(51) International classification :A21B1/24A21B1/26A21B1/28
(31) Priority Document No :16204210.5
(32) Priority Date :15/12/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/082624
Filing Date :13/12/2017
(87) International Publication No :WO 2018/109009
(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)BIBARIC, Markus
2)JIRASCHEK, Stefan
3)MILLER, Karl

(57) Abstract :
The invention relates to a method for the open-loop and/or closed-loop control of the gas throughput in the baking chamber (1) of a baking device (2) in which to produce baked products a baking tong chain (3) is moved along a circulating track through the baking chamber (1) comprising the following steps: feeding a fuel volume flow (6) in an open-loop or closed-loop manner optionally feeding a convection air volume flow (9) in an open-loop or closed-loop manner and extracting an extraction volume flow (10) in an open-loop or closed-loop manner wherein for the open-loop or closed-loop control of the extraction volume flow (10) and or of the convection air volume flow (9) a volume balance of the volume flow introduced into the baking chamber (1) the volume flow (11) expanded in the baking chamber (1) and the volume flow extracted from the baking chamber (1) is formed and wherein the performance of the extraction fan and/or the performance of the convection fan is controlled in an open-loop or closed-loop manner such that the extracted volume flow is greater than or equal to the sum of the introduced volume flow and the volume flow (11) expanded in the baking chamber (1) and therefore the introduced volume flow and the volume flow (11) expanded in the baking chamber (1) are extracted via the extraction fan. FIG.1

No. of Pages : 16 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/07/2019

(21) Application No.201947027263 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD AND SYSTEM FOR CONTROLLING SOOT IN SYNTHESIS GAS PRODUCTION

(51) International classification :C10J3/72C10J3/84
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2016/081065
Filing Date :14/12/2016
(87) International Publication No :WO 2018/108270
(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)VAN KRIMPEN, Bart
3)QUEVEDO-ENRIQUEZ, Jose, Atilio
4)VAN TERGOUW, Thomas ,Christiaan
5)WOLFF, Joachim, Ottomar

(57) Abstract :
The present application provides a method for controlling soot make in a process for the gasification of a liquid carbonaceous feedstock. The gasification process comprises the steps of: partially oxidizing the carbonaceous feedstock in a gasifier to produce syngas; guiding the syngas from an outlet of the gasifier to a quench section; cooling the syngas in the quench section to provide cooled syngas; providing the cooled syngas to a soot removal unit; using the soot removal unit to remove solids from the cooled syngas the soot removal unit providing a cleaned syngas stream and a waste slurry stream comprising the solids removed from the syngas; substantially continuously monitoring a concentration of total suspended solids (TSS) in the waste slurry stream; providing the concentration of total suspended solids (TSS) to a control system. The control system substantially continuously optimizes the gasification process in response to changes in the concentration of total suspended solids carbon-to-ash ratio and optional additional parameters. Figure.4

No. of Pages : 47 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/07/2019

(21) Application No.201947027265 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : APPARATUS AND METHOD FOR 3D PRINTING OF ARTICLES

(51) International classification :A23P30/20B33Y10/00B33Y30/00
(31) Priority Document No :62/435,488
(32) Priority Date :16/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2017/083232
Filing Date :18/12/2017
(87) International Publication No :WO 2018/109225
(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)MOLNAR, Istvan

(57) Abstract :
In order to overcome the limitations and problems that earlier apparatus and methods have experienced a 3D printing head (18) comprising a nozzle (20; 20A; 20B) is proposed wherein the nozzle (20; 20A; 20B) comprises: a material extrusion portion (22A; 22B) and at least one protective gas injection portion (24A; 24B) co-acting with said material extrusion portion (22A; 22B). A related apparatus (10) for 3D printing an article (12) in particular a food article is also proposed. A related method of 3D printing an article (12) in particular a food article is also proposed. FIG.2

No. of Pages : 7 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/07/2019

(21) Application No.201947027266 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : COURSE CONTROL APPARATUS WIRELESS TRAIN CONTROL SYSTEM ON-VEHICLE DEVICE COURSE CONTROL METHOD AND COURSE CONTROL PROGRAM

(51) International classification :B61L3/02B61L23/16
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2017/001407
Filing Date :17/01/2017
(87) International Publication No :WO 2018/134890
(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)HAGIWARA, Masashi
2)TAKAMI, Atsushi

(57) Abstract :
A course control apparatus (26) is provided with: an information acquisition unit (61) that acquires information via one of a plurality of wireless devices arranged along a track from a first station to a second station; and a course control unit (62) that controls the course of a train to be course-controlled on the basis of the information acquired by the information acquisition unit (61). The course control unit (62) prevents the train to be course-controlled from proceeding into the course in at least one of: a case where at least one of the wireless devices is in a failed state; a case where an on-vehicle device that is mounted on a preceding train before the train to be course-controlled on the track and that controls the preceding train on the basis of the information acquired via the wireless devices is in a failed state; and a case where the preceding train is in a stopped state between the first station and the second station. Fig 3.

No. of Pages : 60 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/07/2019

(21) Application No.201947027269 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SCHEDULING METHOD AND RELATED DEVICE

(51) International classification :H04W72/04
(31) Priority Document No :201710025821.4
(32) Priority Date :13/01/2017
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/117768
Filing Date :21/12/2017
(87) International Publication No :WO 2018/130057
(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)XIONG, Xin
3)YU, Feng

(57) Abstract :
The present application relates to the technical field of communications and specifically provides a scheduling method. In the method when a terminal needs to send service data of a low-latency high-reliability service the terminal sends a scheduling request to a base station the scheduling request carrying buffer information in a buffer state report sent from the terminal to the base station in an original scheduling process. Thus compared with an existing scheduling process the scheduling method provided by the present application eliminates the need to send a buffer state report to the base station thereby reducing the steps of the scheduling process and further reducing the scheduling latency. In order to implement the inventive concept of reducing the steps of a scheduling process the present application also provides a scheduling method that simplifies the steps of a scheduling process. In addition in order to ensure the practical application and implementation of the scheduling method the present application also provides a corresponding scheduling device.

No. of Pages : 39 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/07/2019

(21) Application No.201947027272 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHYLMENTHOL DERIVATIVE AND COOL-SENSATION IMPARTER COMPOSITION CONTAINING SAME

(51) International classification :C09K3/00A23L27/20A61K8/42
(31) Priority Document No :2017-001852
(32) Priority Date :10/01/2017
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2018/000208
Filing Date :09/01/2018
(87) International Publication No :WO 2018/131575
(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 addresses the problem of providing a novel methylmenthol derivative usable as a cool-sensation imparter or sense-stimulating agent which has none of an undesirable irritating feeling a peculiar odor bitterness and the like and is excellent in terms of the retention of a refreshing sensation or cool sensation. The cool-sensation imparter composition of the present invention contains a methylmenthol derivative represented by general formula (1). [In formula (1) symbol indicates an asymmetric carbon atom X represents a hydrogen atom or a substituent and Y is an optionally substituted C6-20 aryl group.]

No. of Pages : 61 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/07/2019

(21) Application No.201947027275 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : AIR CONDITIONING SYSTEM

(51) International classification :F24F11/02
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2017/003141
Filing Date :30/01/2017
(87) International Publication No :WO 2018/138903
(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)TOMITA, Masafumi

(57) Abstract :
Provided is an air conditioning system comprising an air conditioner that comprises: an outdoor unit and an indoor unit which are provided with devices and piping that form a refrigerant circuit; and a remote controller that is connected to the indoor unit. The outdoor unit has a first memory that retains outdoor unit identification information including a product model name and serial number of the outdoor unit and the indoor unit has a second memory that retains indoor unit identification information including a product model name and serial number of the indoor unit. The remote controller has a third memory that retains the outdoor unit identification information and the indoor unit identification information and has a display means that displays error information when an abnormality has occurred in the air conditioner. The remote controller acquires the outdoor unit identification information from the outdoor unit and acquires the indoor unit identification information from the indoor unit and retains the acquired outdoor unit identification information and indoor unit identification information in the third memory; and if an abnormality occurs in the air conditioner the remote controller displays on the display means the retained outdoor unit identification information and indoor unit identification information together with the error information.

No. of Pages : 24 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/07/2019

(21) Application No.201947027276 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : TWO-DIMENSIONAL BARCODE PROCESSING METHOD DEVICE AND SYSTEM

(51) International classification :H04L29/06
(31) Priority Document No :201611154671.9
(32) Priority Date :14/12/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/114382
Filing Date :04/12/2017
(87) International Publication No :WO 2018/107988
(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, Ge
3)LIU, Yanghui
4)JIN, Huifeng

(57) Abstract :
The invention relates to the field of information processing and specifically to a two-dimensional (2D) barcode processing method device and system addressing issues in the prior art in which generation of an electronic certificate relies on a static random code resulting in security leak of the electronic certificate once the electronic certificate is replicated or photographed. The technical solution of the invention comprises: a server receives an electronic certificate acquisition request transmitted from a client and comprising user identification; the server acquires an electronic certificate corresponding to the user identification and employs a server private key to sign the electronic certificate and a user public key at the client to obtain server signature information; and the server transmits to the client the server signature information and the electronic certificate for the client to perform signature verification on the server signature information and to generate a 2D barcode on the basis of the electronic certificate for a certificate verification terminal to verify the electronic certificate in the 2D barcode; wherein the certificate verification terminal generates according to the user identification the electronic certificate.

No. of Pages : 39 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/07/2019

(21) Application No.201947027297 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ACTUATOR DEVICE AND METHOD

(51) International classification	:H01L41/193H01L41/09H01L41/113
(31) Priority Document No	:16203267.6
(32) Priority Date	:09/12/2016
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2017/081635 :06/12/2017
(87) International Publication No	:WO 2018/104368
(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)PELSSERS, Eduard Gerard Marie
3)JOHNSON, Mark Thomas
4)HENDRIKS, Cornelis Petrus

(57) Abstract :
The invention relates generally to electroactive material actuators (and combined sensor-actuators) having embedded magnetic particles for facilitating enhanced actuation and/or sensing effects.

No. of Pages : 54 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/07/2019

(21) Application No.201947027298 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ACTUATOR DEVICE AND METHOD

(51) International classification :H01L41/09H01L41/18H01L41/16
(31) Priority Document No :16203279.1
(32) Priority Date :09/12/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/081616
Filing Date :06/12/2017
(87) International Publication No :WO 2018/104357
(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)PELSSERS, Eduard Gerard Marie
2)VAN DEN ENDE, Daan Anton
3)JOHNSON, Mark Thomas
4)HENDRIKS, Cornelis Petrus

(57) Abstract :
The invention relates generally to electroactive material actuators (and combined sensor-actuators) having embedded magnetic particles (42) for facilitating enhanced actuation and/or sensing effects.

No. of Pages : 55 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/05/2019
(21) Application No.201947017345 A
(43) Publication Date : 19/07/2019

(54) Title of the invention :SYSTEM AND METHOD TO FACILITATE UNEQUAL COST MULTIPATH ROUTING IN A NETWORK ENVIRONMENT

(51) International classification :H04W40/12H04L12/707
(31) Priority Document No :15/413,067
(32) Priority Date :23/01/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/013766
Filing Date :16/01/2018
(87) International Publication No :WO 2018/136378
(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)GRAYSON, Mark
2)SEYMOUR, James Paul

(57) Abstract :
An example method is provided in one example embodiment and may include determining a first routing metric associated with a first communication network wherein the first routing metric identifies a capability of the first communication network to handle an Internet Protocol (IP) flow for a user equipment (UE); determining a second routing metric associated with a second communication network wherein the second routing metric identifies a capability of the second communication network to handle the IP flow for the UE and wherein the second routing metric is different from the first routing metric; and routing the IP flow for the UE using the first communication network or the second communication network based at least in part on the first routing metric and the second routing metric.

No. of Pages : 34 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/07/2019

(21) Application No.201947027574 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : POLYURETHANE BEING SUITABLE AS BINDER FOR A MODULAR PRINTING INK SYSTEM

(51) International classification	:C08G18/48C08G18/66C08G18/75
(31) Priority Document No	:17151032.4
(32) Priority Date	:11/01/2017
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2017/084498 :22/12/2017
(87) International Publication No	:WO 2018/130412
(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)FRISCHMANN, Lutz
2)BORGMANN, Ursula
3)CIRIELLO, Guiseppe
4)KLAUSNITZER, Sylvia
5)WAGH, Vijay

(57) Abstract :
The present invention relates to a polyurethane which is particularly suitable as binder for a printing ink which is obtainable by reacting: a) a polyol component including: i) at least one polytetramethylene glycol ii) at least one diol having a molecular weight of not more than 200 g/mol being different from polytetramethylene glycol iii) at least one trivalent or higher-valent alcohol having a molecular weight of not more than 6000 g/mol b) an isocyanate component including at least one organic diisocyanate compound and c) at least one di-functional amine compound and at least one mono-functional amine compound.

No. of Pages : 20 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/07/2019

(21) Application No.201947027580 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : NOX ADSORBER CATALYST

(51) International classification :B01J37/02B01J23/63B01J35/04
(31) Priority Document No :1621343.1
(32) Priority Date :15/12/2016
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2017/053756
Filing Date :15/12/2017
(87) International Publication No :WO 2018/109485
(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)CHANDLER, Guy
2)PRITZWALD-STEGMANN, Julian

(57) Abstract :
A lean NOxtrap catalyst and its use in an emission treatment system for internal combustion engines is disclosed. The lean NOx trap catalyst comprises a first layer and a second layer.

No. of Pages : 27 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/07/2019

(21) Application No.201947027617 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : VECTOR GENERATING INSTRUCTION

(51) International classification :G06F9/30G06F9/345G06F9/355
(31) Priority Document No :1621965.1
(32) Priority Date :22/12/2016
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2017/053355
Filing Date :08/11/2017
(87) International Publication No:WO 2018/115807
(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)BOTMAN, Fran§ois Christopher Jacques
2)GROCUTT, Thomas Christopher
3)BURGESS, Neil

(57) Abstract :
An apparatus and method are provided for performing vector processing operations. In particular the apparatus has processing circuitry to perform the vector processing operations and an instruction decoder to decode vector instructions to control the processing circuitry to perform the vector processing operations specified by the vector instructions. The instruction decoder is responsive to a vector generating instruction identifying a scalar start value and wrapping control information to control the processing circuitry to generate a vector comprising a plurality of elements. In particular the processing circuitry is arranged to generate the vector such that the first element in the plurality is dependent on the scalar start value and the values of the plurality of elements follow a regularly progressing sequence that is constrained to wrap as required to ensure that each value is within bounds determined from the wrapping control information. The vector generating instruction can be useful in a variety of situations a particular use case being to implement a circular addressing mode within memory where the vector generating instruction can be coupled with an associated vector memory access instruction. Such an approach can remove the need to provide additional logic within the memory access path to support such circular addressing.

No. of Pages : 42 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/07/2019

(21) Application No.201947027620 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : PROGRAM CODE TRANSFORMATIONS TO IMPROVE IMAGE PROCESSOR RUNTIME EFFICIENCY

(51) International classification :G06T1/20G06T1/60
(31) Priority Document No :15/594517
(32) Priority Date :12/05/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/013801
Filing Date :16/01/2018
(87) International Publication No :WO 2018/208341
(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, Hyunchul
2)MEIXNER, Albert

(57) Abstract :
A method is described. The method includes constructing an image processing software data flow in which a buffer stores and forwards image data being transferred from a producing kernel to one or more consuming kernels. The method also includes recognizing that the buffer has insufficient resources to store and forward the image data. The method also includes modifying the image processing software data flow to include multiple buffers that store and forward the image data during the transfer of the image data from the producing kernel to the one or more consuming kernels.

No. of Pages : 50 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/07/2019

(21) Application No.201947027342 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : BATHTUB FOR SIMULATING BODY FLOTATION

(51) International classification :A61H9/00A61H33/00A61H37/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/IB2017/050149
Filing Date :12/01/2017
(87) International Publication No :WO 2018/130879
(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)CIMADAMORE, Anna Luisa

(57) Abstract :
A bathtub (1) which comprises: - a main body (2) having side walls (22 22a 22b) at least one of which presents an inner surface provided with guide means (3); - supporting means (4) engaged with guide means (3) and configured for supporting at least a portion of users body in order to allow in use simulating user flotation.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027365 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD AND APPARATUS FOR FILTERING VIDEO

(51) International classification	:H04N21/454H04N21/4545H04N5/445
(31) Priority Document No	:10-2016-0173624
(32) Priority Date	:19/12/2016
(33) Name of priority country	:Republic of Korea
(86) International Application No Filing Date	:PCT/KR2017/012974 :16/11/2017
(87) International Publication No	:WO 2018/117428
(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)YUN, Ji-hwan
2)KIM, Min-seo
3)JUNG, Jae-yun

(57) Abstract :
An artificial intelligence (AI) system for simulating functions such as recognition determination and so forth of a human brain by using a mechanical learning algorithm such as deep learning or the like and an application thereof are provided. A method of filtering video by a device is provided. The method includes selecting at least one previous frame preceding a current frame being played from among a plurality of frames included in the video generating metadata regarding the selected at least one previous frame predicting harmfulness of at least one next frame to be displayed on the device after playback of the current frame based on the generated metadata and filtering the next frame based on the predicted harmfulness. Fig 1.

No. of Pages : 29 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027366 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : FLEXIBLE WI-FI SMART BASE

(51) International classification :G06Q10/08G01G19/00G01G19/40
(31) Priority Document No :62/432408
(32) Priority Date :09/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IL2017/051327
Filing Date :07/12/2017
(87) International Publication No :WO 2018/104946
(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)MARK FRIEDMAN
(72)**Name of Inventor :**
1)COIMBATORE KRISHNASWAMY, Govindaraju

(57) Abstract :
The invention provides a smart base for inventory management. The smart base for inventory management includes a top unit configured for replaceably holding at least one object. A bottom unit is operably coupled to the top unit. The bottom unit is configured for operating the smart base. A real time inventory management system is also provided. The real time inventory management system includes a plurality of smart bases an interface module coupled to the smart bases a centrally located server operably coupled to the interface module and at least one display unit coupled to the centrally located server.

No. of Pages : 13 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027384 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : RESONATOR AND COMMUNICATION DEVICE

(51) International classification :H01P7/10H01P1/20
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2016/112384
Filing Date :27/12/2016
(87) International Publication No :WO 2018/119669
(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)YUAN, Bengui
2)GUO, Ling
3)BAO, Xiangyu
4)DING, Wenqi

(57) Abstract :
The present application provides a resonator comprising a housing and a cover. An accommodation cavity of the housing is provided therein with a resonance rod a dielectric block and an elastic element. The resonance rod is tubular and comprises an inner side face an outer side face and a first end face connected between the first inner side face and the outer side face. The dielectric block comprises a bottom end and a top end the top end being connected to the cover the bottom end being provided with a second end face and a boss protruding from the second end face the boss having a ring shape. The first end face is opposite to the second end face. The boss is internally embedded into the resonance rod and is surrounded by the inner side face or the boss is sheathed outside of the resonance rod and surrounds the outer side face. The elastic element is connected between the first end face and the second end face or between the top end of the dielectric block and the cover. The present application further provides a communication device. The resonator provided by the present application is easy to install and detach and can improve reliability.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027385 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DATA TRANSMISSION METHOD AND DEVICE

(51) International classification :H04L12/851
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2016/113864
Filing Date :30/12/2016
(87) International Publication No :WO 2018/120183
(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)WEI, Anni
2)XIONG, Chunshan
3)WU, Yizhuang

(57) Abstract :
Embodiments of the present application provide a data transmission method. The method comprises: user equipment (UE) receiving a first message which instructs the UE to activate a reflective service quality (RQ) mechanism; the UE generating an implicit quality of serivce (QoS) rule according to the RQ mechanism; the UE receiving a second message which instructs the UE to terminate using the RQ mechanism; and the UE terminating using the RQ mechanism and deleting the implicit QoS rule. By receiving the second message instructing to terminate using the RQ mechanism the UE achieves switching between an explicit QoS rule and an implicit QoS rule more flexibly configuring the QoS rule of uplink data according to policies of a service provider. Moreover the QoS rule stored and maintained in the UE can be effectively managed to timely release storage resources and prevent overloading of a storage space of the UE.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/07/2019

(21) Application No.201947028112 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD FOR MANUFACTURING THREE-DIMENSIONAL ITEMS WITH FLEXIBLE WALLS

(51) International classification :B29D35/10B29D35/04
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/ES2016/070902
Filing Date :16/12/2016
(87) International Publication No :WO 2018/109242
(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)HERN • NDEZ HERN • NDEZ, Adri¡n
2)CREMADES ANTON, David

(57) Abstract :
The invention relates to a method for manufacturing three-dimensional items with flexible walls by means of a mould and countermould between which a space matching that of the item to be obtained is defined. The item is made up of laminar parts (3) which are mounted on a template (1) that is attached to the inner surface of the mould. The laminar parts (3) are connected to one another via a material which is injected in molten state through a network of conduits defined between the countermould template (1) and opposing edges of adjacent laminar parts. The template (1) is made of resiliently deformable material and has a three-dimensional configuration.

No. of Pages : 13 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/07/2019

(21) Application No.201947028113 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SYSTEMS AND METHODS FOR DELIVERING PRODUCTS VIA UNMANNED AERIAL VEHICLES TO DELIVERY LOCATIONS DESIGNATED BY CUSTOMERS

(51) International classification :G06Q30/00
(31) Priority Document No :62/437,297
(32) Priority Date :21/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/066990
Filing Date :18/12/2017
(87) International Publication No :WO 2018/118766
(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)WINKLE, David C.
2)HIGH, Donald R.
3)MATTINGLY, Todd D.

(57) Abstract :
In some embodiments methods and systems are provided that provide for facilitating delivery via unmanned aerial vehicles of products ordered by a customer of a retailer to a customer-selected physical location of a person other than the customer.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/07/2019

(21) Application No.201947028114 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD AND SYSTEM PROVIDING CONTEXTUAL FUNCTIONALITY IN STATIC WEB PAGES

(51) International classification :G06F17/30H04L29/08
(31) Priority Document No :15/384,793
(32) Priority Date :20/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/052852
Filing Date :22/09/2017
(87) International Publication No :WO 2018/118165
(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)DAVIES, Scott
2)LEWIS, Justin

(57) Abstract :
Aspects of the disclosed technology include a method including receiving by a computing device static web page data of a web page; responsive to receiving the static web page data parsing by the computing device the static web page data to identify a plurality of links; selecting by the computing device a link of the identified plurality of links to be presented based on a computing environment; rendering by the computing device the web page including the selected link; and outputting for display the rendered web page.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/07/2019

(21) Application No.201947028115 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : OIL-COOLED SCREW COMPRESSOR

(51) International classification :F04C18/16F04C29/02
(31) Priority Document No :2017-005888
(32) Priority Date :17/01/2017
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2018/000855
Filing Date :15/01/2018
(87) International Publication No :WO 2018/135444
(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)NOGUCHI, Toru
3)SAKAGUCHI, Hironobu
4)TANAKA, Koji

(57) Abstract :
The present invention is characterized by comprising: a pair of screw rotors (8 9) for compressing gas by rotating while engaging with each other; a casing (4) for accommodating the pair of screw rotors (8 9); discharge-side bearing sections (16) for supporting the discharge-side rotor shafts (8c9c) of the screw rotors (8 9); shaft seal sections (14) for sealing the discharge-side rotor shafts (8c 9c); first spaces (24) provided between the shaft seal sections (14) and the discharge-side bearing sections (16); second spaces (26) provided between the casing (4) and axial ends of the discharge-side bearing sections (16); and communication passages (44a 44b) formed in the casing (4) and providing communication between the first spaces (24) and the second spaces (26).

No. of Pages : 45 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/07/2019

(21) Application No.201947028116 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SYSTEM FOR MANAGING RAILWAY VEHICLE INSTRUMENTS, METHOD FOR MANAGING RAILWAY VEHICLE INSTRUMENTS, ON-BOARD APPARATUS FOR MANAGING RAILWAY VEHICLE INSTRUMENTS, AND GROUND DEVICE FOR MANAGING RAILWAY VEHICLE INSTRUMENTS

(51) International classification :B61L25/04B60L3/00
(31) Priority Document No :2017-015425
(32) Priority Date :31/01/2017
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/039676
Filing Date :02/11/2017
(87) International Publication No :WO 2018/142697
(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)TAKEUCHI, Tokiko

(57) Abstract :
The tracking of instrument information is made possible and an accurate history of instrument information is obtained even when an attachment position which is the position where a railway vehicle instrument is attached is changed. Instrument information which indicates the actions and statuses of railway vehicle instruments attached to attachment positions of units is collected. Serial numbers determined for the attachment positions are updated at timings at which the railway vehicle instruments attached to the attachment positions can be replaced. Provisional IDs that include positional information including unit numbers and in-unit positional information and that also include serial numbers are assigned to the instrument information. The collected instrument information is added to a stored instrument information group. The provisional IDs assigned to the collected instrument information are added to a provisional ID group. Combinations of new provisional IDs and old provisional IDs which are included in the provisional ID group and which are respectively assigned to new instrument information and old instrument information indicating the actions and statuses of the same railway vehicle instruments are estimated.

No. of Pages : 48 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027386 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : INFORMATION PROCESSING METHOD AND APPARATUS

(51) International classification :G06T19/00
(31) Priority Document No :201611252815.4
(32) Priority Date :30/12/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/078585
Filing Date :29/03/2017
(87) International Publication No :WO 2018/120474
(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)DI, Peiyun
2)XIE, Qingpeng

(57) Abstract :
An information processing method and apparatus for streaming media wherein said information processing method for streaming media comprises: acquiring target spatial information of a target spatial object said target spatial object being a spatial object in two spatial objects which are associated with data of two images in target video data and the data of the two images being data of two images; the target spatial information comprises same-attribute spatial information the same-attribute spatial information comprising identical information between respective spatial information of said two spatial objects while spatial information of spatial objects other than the target spatial object in the two spatial objects comprises same-attribute spatial information; and according to the target spatial information determining video data to be played. By means of replacing a set of same-attribute spatial information with a duplicated portion in the respective spatial information of the two spatial objects redundancy of spatial information is reduced thus reducing the data volume of spatial information.

No. of Pages : 76 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027401 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : PARENTERAL LIQUID PREPARATION COMPRISING CARBAMATE COMPOUND

(51) International classification :A61K9/08A61K47/40A61K9/00
(31) Priority Document No :10-2016-0170389
(32) Priority Date :14/12/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2017/014727
Filing Date :14/12/2017
(87) International Publication No:WO 2018/111000
(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)BAEK, Myoung Ki
2)LEE, Ji Hye
3)CHOI, So Young

(57) Abstract :
The present invention relates to a parenteral liquid preparation containing as active ingredients; a carbamate compound of chemical formula 1 an isomer thereof or a pharmaceutically acceptable salt a solvate or a hydrate thereof; and a cyclodextrin derivative.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027402 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ORALLY DISINTEGRATED TABLET COMPRISING CARBAMATE COMPOUND

(51) International classification :A61K9/00A61K31/41A61K31/16
(31) Priority Document No :10-2016-0170434
(32) Priority Date :14/12/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2017/014731
Filing Date :14/12/2017
(87) International Publication No :WO 2018/111002
(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)BAEK, Myoung Ki
2)CHOI, So Young
3)LEE, Ji Hye

(57) Abstract :
The present invention relates to an orally disintegrated tablet and a method for producing same the tablet containing a carbamate compound of chemical formula 1 an isomer thereof or a pharmaceutically acceptable salt a solvate or a hydrate thereof as an active ingredient.

No. of Pages : 26 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027404 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHODS AND ENTITIES FOR ALERTING ABOUT FAILURE OF AN UNMANNED AERIAL VEHICLE

(51) International classification :G08B25/10
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2016/080937
Filing Date :14/12/2016
(87) International Publication No :WO 2018/108262
(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)MANHOLM, Lars
3)HARRYSSON, Fredrik
4)FRID‰N, Jonas

(57) Abstract :
A method (20) performed in a network node (4) is provided for alerting about failure of an unmanned aerial vehicle (2). The method (20) comprises receiving (21) a failure report from an unmanned aerial vehicle (2) obtaining (22) an estimated crash point for the unmanned aerial vehicle (2) and sending (23) based on the obtained estimated crash point warning signals to communication devices (3) residing within a defined area. Methods in an unmanned aerial vehicle and in a network entity and a network node unmanned aerial vehicle network entity computer programs and computer program products are also provided.

No. of Pages : 21 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027410 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD FOR CONTROLLING THE QUANTITY OF COMPRESSED AIR INTRODUCED AT THE INTAKE OF A SUPERCHARGED INTERNAL COMBUSTION ENGINE

(51) International classification :F02B37/16F02D23/00F02D41/00
(31) Priority Document No :1662489
(32) Priority Date :15/12/2016
(33) Name of priority country :France
(86) International Application No :PCT/EP2017/080973
Filing Date :30/11/2017
(87) International Publication No :WO 2018/108551
(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)WALTER, Bruno

(57) Abstract :
The present invention relates to a method for controlling the quantity of air introduced at the intake of a supercharged internal combustion engine said engine comprising an intake manifold (18) and at least one exhaust gas outlet (28; 28 28) connected to an exhaust manifold (26; 26 26) said engine comprising a turbocharger (30) with a turbine (32) at at least one inlet (34; 34 34) connected to said at least one exhaust gas outlet and to an outside air compressor (38) and at least one circuit (Boost) for boosting the speed of the turbine with at least one transfer duct (54; 54 54) for transferring the compressed air from the compressor to the inlet of the turbine that is controlled by a valve means (58; 58 58). According to the invention - based on an engine operating point (P1 P2 P3) the theoretical compressed air flow (Qair obj) that must be introduced into the turbine by the booster circuit (Boost) is known; - the airflow (Qair mes) that is fed into the turbine through the booster circuit (Boost) is estimated; - the two flows are compared; in the event of a difference between the two flows the airflow introduced into the turbine by the booster circuit is controlled so that it corresponds to the theoretical airflow.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/07/2019

(21) Application No.201947028156 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : AUTONOMOUS VEHICLE SERVICE SYSTEM

(51) International classification :G01C22/00
(31) Priority Document No :62/438,271
(32) Priority Date :22/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/068248
Filing Date :22/12/2017
(87) International Publication No :WO 2018/119417
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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9)SALLOUM, Richard
10)WU, Stephen
11)CHRISTEL, Ben
12)HOGAN, Shane
13)DENISTON, John
14)HAMON, Jen
15)JALUKAR, Sannidhi
16)SCHAFER, Eric
17)LEES, David
18)WHEELER, Dawn
19)ALLAN, Mark
20)SIERHUIS, Maarten

(57) Abstract :
An autonomous vehicle service system having a display device a receiver and a controller. The receiver is configured to receive transmitted data from an autonomous vehicle related to status of the autonomous vehicle and information from a third party related to road conditions. The controller is programmed to monitor the transmitted data related to the status of the autonomous vehicle and the road conditions determine when the autonomous vehicle requires assistance based on the transmitted data and when the autonomous vehicle requires assistance cause information related to the autonomous vehicle to be displayed on the display device.

No. of Pages : 15 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/07/2019

(21) Application No.201947028157 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : REMOTE SYSTEM FOR AN AUTONOMOUS VEHICLE

(51) International classification :G05D1/02G05D1/00G08G1/00
(31) Priority Document No :62/438,243
(32) Priority Date :22/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/068260
Filing Date :22/12/2017
(87) International Publication No :WO 2018/119420
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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14)HAMON, Jen
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16)SCHAFER, Eric
17)LEES, David
18)WHEELER, Dawn
19)ALLAN, Mark
20)SIERHUIS Maarten

(57) Abstract :
A remote system for an autonomous vehicle includes a receiver a controller and a display device. The receiver is configured to receive road information. The controller is programmed to receive input related to the road information and create a supervision zone when the road information impacts road drivability. The display device is disposed at a control center area and configured to display a visual indication on a map of the supervision zone.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/07/2019

(21) Application No.201947028158 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ELECTRIC POWER SUPPLY DEVICE METHOD FOR CONTROLLING ELECTRIC POWER SUPPLY DEVICE ELECTRIC POWER SUPPLY SYSTEM AND COMMUNICATION BASE STATION BACKUP SYSTEM

(51) International classification :H02J9/06H01M2/10H01M10/44
(31) Priority Document No :2016-251411
(32) Priority Date :26/12/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/043915
Filing Date :07/12/2017
(87) International Publication No:WO 2018/123494
(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)GAMO, Shintaro
2)HIGUCHI, Masami

(57) Abstract :
Stability and durability of a power supply system are improved. The power supply system includes a first power supply apparatus and a second power supply apparatus that supply power from a power source to a load. The second power supply apparatus includes a second storage battery and is connected to the first power supply apparatus. The first power supply apparatus includes a switching unit including an output terminal electrically connectable to a first switch and the load and an energy storage apparatus including a first storage battery a controller, a second switch, and an external input terminal. The second switch has at least one of an off-function of turning off the second switch when at least one of a control signal from the controller and an external input signal supplied from an outside to the external input terminal is a signal turning off the second switch and an on-function of turning on the second switch when both the control signal and the external input signal are a signal turning on the second switch When power failure of the power source is detected, the first switch is closed to electrically connect the first storage battery and the output terminal. [Selected drawing] Fig. 4

No. of Pages : 40 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/07/2019

(21) Application No.201947028161 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CLASS OF BIFUNCTIONAL COMPOUNDS WITH QUATERNARY AMMONIUM SALT STRUCTURE

(51) International classification :A61P11/08C07D403/12C07D453/02
(31) Priority Document No :201611150752.1
(32) Priority Date :14/12/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/115807
Filing Date :13/12/2017
(87) International Publication No :WO 2018/108089
(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)WEN, Shouming
2)GAO, Zejun
3)WANG, Junyi
4)CHEN, Xiaoping

(57) Abstract :
Provided are a class of compounds as represented by formula (I) having a bifunctional active quaternary ammonium salt structure of a 2 adrenoreceptor agonist and an M receptor antagonist a pharmaceutically acceptable salt solvate and an optical isomer thereof and a pharmaceutical composition containing such a compound with the quaternary ammonium salt structure a method for preparing such a compound with the quaternary ammonium salt structure and an intermediate thereof and the use thereof in treating pulmonary diseases. The compound of the present invention has high selectivity for M receptor subtypes and has the characteristics of fewer adverse effects and less toxic side effects in the treatment of pulmonary diseases such as COPD and asthma.

No. of Pages : 150 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/07/2019

(21) Application No.201947027635 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD FOR ATTACHING MOUNTED PARTS TO CONCRETE OR MASONRY

(51) International classification :F16B13/00
(31) Priority Document No :10 2016 125 201.8
(32) Priority Date :21/12/2016
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2017/084239
Filing Date :21/12/2017
(87) International Publication No :WO 2018/115364
(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)HETTICH, Ulrich

(57) Abstract :
A method is defined for attaching mounted parts (10) on a mounting substrate (12), formed of concrete or masonry, having a group of anchors (14), wherein the following is true for the ratio VSd/NSd of the rated value for the transverse load VSd and of the rated value of the tensile load NSd of at least one anchor (14) in the anchor group: VSd/NSd 2 0.3, preferably VSd/NSd 2 0.6 and particularly preferably VSd/NSd 2 1.0, and wherein the characteristic resistances of these anchors to transverse loading VRk or to tensile loading NRk satisfy the following relationship: VRk/NRk < 1.1. The at least one anchor (14) of the anchor group is inclined at an angle aAnker to the perpendicular to the surface of the mounting substrate (12) in such a manner that the following is true: aAnker = k 3/4 arctan (VSd / NSd) for NSd > 0, and aAnker = k 67,5° for NSd = 0, where: 0,8 < k < 1,34, providing that aAnker< 75°. (FIG-1)

No. of Pages : 24 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/07/2019

(21) Application No.201947027636 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : LYOPHILIZED PREPARATION

(51) International classification :A61K38/46A61K9/19A61K39/395
(31) Priority Document No :2016-257060
(32) Priority Date :28/12/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/047207
Filing Date :28/12/2017
(87) International Publication No :WO 2018/124277
(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)OKABE, Shinji

(57) Abstract :
[Problem] To provide a pharmaceutical composition that contains a fusion protein of an antibody and a lysosomal enzyme as an active ingredient and is stable enough to be distributed on the market. [Solution] A lyophilized preparation that contains a fusion protein of an antibody and a lysosomal enzyme as an active ingredient and furthermore contains a neutral salt a disaccharide a non-ionic surfactant and a buffer. An example of such a lyophilized preparation contains a fusion protein of an anti-transferrin receptor antibody and human iduronate-2-sulfatase as an active ingredient and furthermore contains sodium chloride as a neutral salt sucrose as a disaccharide poloxamer as a non-ionic surfactant and a phosphate buffer as a buffer.

No. of Pages : 77 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/07/2019

(21) Application No.201947027637 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SYSTEM AND METHOD FOR INITIALIZING AND OPERATING METAL-AIR CELL

(51) International classification :H01M4/12H01M4/46H01M6/50
(31) Priority Document No :62/434,457
(32) Priority Date :15/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IL2017/051347
Filing Date :14/12/2017
(87) International Publication No:WO 2018/109767
(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)YADGAR, Avraham
3)DANINO, Aviel

(57) Abstract :
A method and system for creating low corrosion passivation layer on an anode in a metal-air cell comprise asserting high negative potential and low drawn current density on the cell after its operational parameters have stabilized after the cell has been powered-on. As a result the H2 evolution rate momentarily raises and then drops sharply, thereby causing the creation of a passivation layer on the face of the anode. [FIGURE 8]

No. of Pages : 16 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/07/2019

(21) Application No.201947027651 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CAMERA AUTO-CALIBRATION WITH GYROSCOPE

(51) International classification :G06T7/80
(31) Priority Document No :62/459879
(32) Priority Date :16/02/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/068346
Filing Date :22/12/2017
(87) International Publication No :WO 2018/151792
(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)MCGRATH, Gary
3)BRUNNER, Christopher

(57) Abstract :
Embodiments include devices and methods for automatically calibrating a camera. In various embodiments an image sensor may capture an image. Locations of one or more points including in the captured image frames may be predicted and detected. Calibration parameters may be calculated based on differences between predicted locations of a selected point within an image frame and observed locations of the selected point within the captured image frame. The automatic camera calibration method may be repeated until the calibration parameters satisfy a calibration quality threshold. Fig 3.

No. of Pages : 35 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/07/2019

(21) Application No.201947027665 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : PERFORMING UPDATES TO ACTION ITEMS IN AN ELECTRONIC COMMUNICATION APPLICATION WITH A SINGLE INPUT

(51) International classification :G06Q10/10
(31) Priority Document No :15/399,606
(32) Priority Date :05/01/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/012010
Filing Date :02/01/2018
(87) International Publication No :WO 2018/128952
(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)SINGH, Jaskaran
5)HAKAMI, Sina

(57) Abstract :
Described is a system and method for automatically updating an action item in an electronic communication application using a single input or click from a user. In response to received input an electronic communication having a mailto link is automatically generated. The mailto link includes the email address of the intended recipient an identifier associated with the action item and the update that is to be performed on the action item. The electronic communication is then automatically provided to the intended recipient and the update is performed on the action item.

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/07/2019

(21) Application No.201947028353 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SYSTEM AND METHOD FOR DETERMINING AN IMPACT OF AN ACTIVE SUB-STANCE ON AN INFANT

(51) International classification :G06F19/00
(31) Priority Document No :16204597.5
(32) Priority Date :16/12/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/083126
Filing Date :15/12/2017
(87) International Publication No :WO 2018/109199
(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)BROCKHUIS, Lili-Marjan
3)MENA BENITO, Maria, Estrella

(57) Abstract :
A system (1) and corresponding method for determining an impact of an active substance on an infant comprises: a parameter providing unit (10) for providing age and weight of the infant an intake estimation unit (20) for estimating the amount of intake of the active substance by a breastfeeding caregiver of the infant a substance level determination unit (30) for determining a level of the active substance in breast milk at the time of breastfeeding based on a history of the estimated intake of the active substance and an impact determination unit (40) for determining an impact of the active substance on the infant based on i) the determined level of the active substance in the breast milk at the time of breastfeeding and ii) the age and weight of the infant. The system (1) allows a determination of the impact of an active substance on the infant.

No. of Pages : 16 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/07/2019

(21) Application No.201947028354 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : VISUALIZING COLLIMATION ERRORS

(51) International classification :A61B6/08A61B6/00G06T7/10
(31) Priority Document No :16204212.1
(32) Priority Date :15/12/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/082928
Filing Date :14/12/2017
(87) International Publication No :WO 2018/109127
(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)YOUNG, Stewart
2)VON BERG, Jens
3)BYSTROV, Daniel

(57) Abstract :
The field of view of an X-ray imaging system should be set appropriately to ensure that anatomical information of interest is not omitted. In particular it is necessary to ensure that the operator of an X-ray system does not allow a patient to leave the X-ray imaging system until it is certain that the correct anatomy has been imaged. This application discusses a technique enable the visualization of a field of view boundary error caused by the incorrect configuration of an X-ray imaging system. Optionally the boundary error is displayed either on a user display of a system console or by projecting the field of view error onto the patient in the X-ray system. Thus an operator of the system may be alerted to the presence of a boundary error enabling a new X-ray exposure to be taken if necessary.

No. of Pages : 20 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/07/2019

(21) Application No.201947028355 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A MONITORING APPARATUS AND A FOOD PROCESSING DEVICE USING THE SAME

(51) International classification :A47J43/07G05B19/042G05B19/05
(31) Priority Document No :PCT/CN2016/000686
(32) Priority Date :15/12/2016
(33) Name of priority country :China
(86) International Application No :PCT/EP2017/081600
Filing Date :06/12/2017
(87) International Publication No :WO 2018/108642
(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, Yun
2)SUN, Ming
3)SUN, Wen
4)SU, Guangming
5)LU, Weihua

(57) Abstract :
The invention relates to a monitoring apparatus configured to monitor a processing status of a food item under processing in a food processor the monitoring apparatus comprising a sensor operable to determine characteristic information related to the food item in the food processor a controller configured to provide a control signal to the food processor to control an operation of the food processor when the determined characteristic 5 information or a rate of change of the determined characteristic information meets a predetermined criteria.

No. of Pages : 21 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/07/2019

(21) Application No.201947028357 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CT IMAGING SYSTEM AND A METHOD FOR A CT IMAGING SYSTEM

(51) International classification :A61B6/00A61B6/03
(31) Priority Document No :16204310.3
(32) Priority Date :15/12/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/082299
Filing Date :12/12/2017
(87) International Publication No :WO 2018/108849
(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)PROKSA, Roland
2)PFEIFFER, Franz Josef
3)NOEL, Peter Benjamin Theodor
4)BAUM, Thomas

(57) Abstract :
The present invention relates to a CT imaging system as well as a method for CT imaging is provided. For CT imaging in practice a scout scan and a main scan of a human subject may be performed. It has been found that a detector signal provided by a detector which detects the X-ray radiation during the scout scan may be used on the one hand for determining a respective scout image and on the other hand to determine the bone mineral density of the human subject. Although the scout scan is usually primarily performed for determining the scout image it is of advantage if the detector used for detecting the X-ray radiation during the scout scan is formed and/or configured to detect X-ray radiation of a first energy spectrum and to detect X-ray radiation of a different second energy spectrum. In this case the detector can provide more precise information about the scout region of the human subject and resulting therefrom in a more precise determination of the bone mineral density. Thus while determining the scout image and/or while performing further steps the bone mineral density may be determined in particular as a background process step such that the bone mineral density may be provided for further purpose.

No. of Pages : 24 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/07/2019

(21) Application No.201947028169 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : LIQUID CHROMATOGRAPH DETECTOR

(51) International classification	:G01N21/15G01N21/05G01N21/27
(31) Priority Document No	:2017-004892
(32) Priority Date	:16/01/2017
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2017/040749 :13/11/2017
(87) International Publication No	:WO 2018/131279
(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)WATANABE Masato

(57) Abstract :
Provided is a detector that comprises: a light source that emits measurement light; a flow cell having in the interior thereof a cell for passing a sample solution therethrough; an optical detector for detecting light from the flow cell; an optical system for guiding the light from the light source to the flow cell and guiding the light from the flow cell to the optical detector; and a flow cell accommodation section for covering the flow cell so that the flow cell is spatially separated from the optical system. Of the side surfaces of the flow cell accommodation section side surfaces facing a light incidence surface and a light exit surface of the flow cell are constituted of a wall surface composed of a transparent material or are enclosed by a transparent plate.

No. of Pages : 14 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/07/2019

(21) Application No.201947028179 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ANCHORING DEVICE AND METHOD FOR ACCURATE POSITIONING AND INSERTION OF AN ANCHOR ASSEMBLY

(51) International classification :A61B17/04A61B17/06A61B42/00
(31) Priority Document No :1
(32) Priority Date :30/11/2016
(33) Name of priority country :Argentina
(86) International Application No :PCT/IL2016/051338
Filing Date :15/12/2016
(87) International Publication No :WO 2018/109755
(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)HARARI, Boaz

(57) Abstract :
An anchoring device including a finger-mountable work channel defining assembly defining a finger mounting axis and a work channel axis angled with respect to the finger mounting axis the finger-mountable work channel defining assembly defining an aperture lying generally in an aperture plane angled with respect to the finger mounting axis and with respect to the work channel axis an anchor insertion assembly arranged for limited axial displacement along the work channel axis with respect to the aperture so as to intersect the aperture plane and an anchor assembly including at least an anchoring portion and a flexible elongate portion attached thereto the anchoring portion having a pre-anchoring operative orientation and an anchoring operative orientation.

No. of Pages : 20 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/07/2019

(21) Application No.201947028180 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : TRANSFER APPARATUS AND COMMUNICATION NETWORK

(51) International classification :H04L12/70H04L12/28
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2017/003949
Filing Date :03/02/2017
(87) International Publication No :WO 2018/142571
(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)SAKAGAMI, Yusuke
2)INOUE, Ayako
3)TANIGUCHI, Sachiko
4)KAWATE, Ryusuke

(57) Abstract :
Provided is a transfer apparatus (200) that can achieve both an encryption communication and a plaintext communication the transfer apparatus (200) comprising: a plurality of ports for inputting/outputting layer-2 frames; frame detection units (221) that each detect whether a frame has been encrypted; address filter units (222) that each select a port from which a frame is to be outputted; encryption necessity determination units (223) that each have an encryption necessity determination table in accordance with the destination information and priority information included in frames and a decryption necessity determination table in accordance with the destination information included in frames and that in the case of an unencrypted frame each determine on the basis of the encryption necessity determination table whether it is necessary to encrypt the frame and in the case of an encrypted frame each determine on the basis of the decryption necessity determination table whether it is necessary to decrypt the frame; an encryption/decryption unit (225) that encrypts a frame for which it has been determined that the encryption is necessary and that decrypts a frame for which it has been determined that the decryption is necessary; and a switching unit (224) for outputting the frames to the ports.

No. of Pages : 35 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/07/2019

(21) Application No.201947028184 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DRONE FOR AUTONOMOUSLY COMPLETING A TASK

(51) International classification :B25J13/08B25J9/16B25J15/04
(31) Priority Document No :62/437188
(32) Priority Date :21/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/067231
Filing Date :19/12/2017
(87) International Publication No :WO 2018/118871
(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)HIGH, Donald R.
2)WINKLE, David C.
3)ATCHLEY, Michael D.
4)MCHALE, Brian G.
5)ANTEL, Nicholas Ray
6)O'BRIEN, John J.
7)MATTINGLY, Todd D.

(57) Abstract :
In some embodiments apparatuses and methods are provided herein useful to autonomously completing a task. In some embodiments a drone comprises a propulsion mechanism an attachment point configured to releasably receive and secure at least one tool to the drone a plurality of sensors configured to detect information regarding a performance of the task by the drone when a particular tool is secured to the attachment point and a control circuit configured to receive the information regarding the performance of the task by the drone determine that the performance of the task is inadequate and in response to a determination that the performance of the task is inadequate at least one of (a) select a new tool with which to perform the task to replace the particular tool and (b) transmit a notification indicating that a new drone is needed to perform the task using the particular tool.

No. of Pages : 11 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027411 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : USE OF CARBAMATE COMPOUNDS FOR PREVENTION ALLEVIATION OR TREATMENT OF BIPOLAR DISORDER

(51) International classification :A61K31/41A61K31/325
(31) Priority Document No :10-2016-0170224
(32) Priority Date :14/12/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2017/014740
Filing Date :14/12/2017
(87) International Publication No :WO 2018/111008
(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)SHIN, Yu Jin
2)HAN, Sei Myoung

(57) Abstract :
The present invention relates to a use for the purpose of preventing alleviating or treating bipolar disorder by administering a pharmaceutical composition comprising a carbamate compound of the following chemical formula 1.

No. of Pages : 18 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027415 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SIDE FRAME FOR A RAILWAY TRUCK

(51) International classification :B61F5/52
(31) Priority Document No :15/378697
(32) Priority Date :14/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/066405
Filing Date :14/12/2017
(87) International Publication No :WO 2018/112191
(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)GOTLUND, Erik L.
2)MANIBHARATHI, Roshan N.

(57) Abstract :
A side frame used in a railway car truck that has localized areas of increased strength and method of manufacturing the side frame. The side frame is manufactured with a plurality of risers positioned at various locations on the same side wall to enable regions of increased strength proximate the inboard corner of the pedestal jaws and the upper and lower corners of the bolster opening.

No. of Pages : 26 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027416 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : POROUS MICROPARTICLES OF BIODEGRADABLE POLYMER AND POLYMER FILLER COMPRISING SAME

(51) International classification :C08J3/12C08L101/16C08L67/04
(31) Priority Document No :10-2016-0169309
(32) Priority Date :13/12/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2017/008704
Filing Date :10/08/2017
(87) International Publication No :WO 2018/110792
(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)KIM, Jin Su
2)SHIN, Wang Soo
3)PARK, Na Jeong
4)KOH, Young Joo
5)KIM, Jun Bae

(57) Abstract :
The present invention relates to porous microparticles of a biodegradable polymer and a polymer filler comprising the same.

No. of Pages : 15 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027417 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : IMPROVEMENTS RELATING TO ADDITIVE LAYER MANUFACTURE USING CHARGED PARTICLE BEAMS

(51) International classification :H01J37/305
(31) Priority Document No :1621508.9
(32) Priority Date :16/12/2016
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2017/053760
Filing Date :15/12/2017
(87) International Publication No :WO 2018/109489
(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 DEN BERG, Jakob Albert
2)HUSSEY, Martyn James
3)LAIDLER, Ian
4)RICHARDSON, William Thomas

(57) Abstract :
A method of charge mitigation in additive layer manufacturing is provided which uses a charged particle beam (103) to fuse metal powder (122) within a metal powder bed (123) to form a product layer-by-layer the method comprising using a charged particle beam optical system to form a charged particle beam to steer the charged particle beam to be incident on a powder bed of metal powder and to scan over the powder bed to fuse powder into a desired layer shape. While steering the charged particle beam the method comprises using a neutralising particle source (160) to generate neutralising particles of an opposite charge to the charged particles in the vicinity of the charged particle beam such that the neutralising particles are attracted to the charged particles of powder in the powder bed. An additive layer manufacturing apparatus (100) is also provided.

No. of Pages : 18 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027420 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A PROCESS AND BIOREACTOR FOR GAS FERMENTATION PRODUCTS

(51) International classification :C12P7/62C12M1/00
(31) Priority Document No :62/433748
(32) Priority Date :13/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2017/057696
Filing Date :06/12/2017
(87) International Publication No :WO 2018/109620
(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)YU, Jian
2)MUNASINGHE, Pradeep

(57) Abstract :
The present invention relates to a bioreactor and a process for producing gas fermentation products which are particularly suitable for producing microbial hydroxyalkanoates (PHAs) using a gaseous feedstock containing CO2. The process comprises the steps of: a) providing at least one gas fermentation vessel (2) partially filled with a liquid fermentation broth (11) and partially filled with a gas phase (15); b) continuously withdrawing an aliquot of the liquid fermentation broth (11) from the gas fermentation vessel (2); c) supplying a gaseous substrate (14) comprising CO2 H2 and O2; d) contacting the liquid fermentation broth (11) in the form of sprayed droplets with the gaseous substrate (14) in the gas phase (15); e) cultivating the gas-fermenting microorganisms with the gas-liquid mixture obtained in step d to form a cell mass containing at least one polyhydroxyalkanoate; f) recovering the at least one polyhydroxyalkanoate from the cell mass.

No. of Pages : 40 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027425 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DETERMINING DMRS AVERAGE DELAY AND DELAY SPREAD UNDER SMOOTH PRE-CODING

(51) International classification :H04L5/00H04W72/04
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2017/073738
Filing Date :16/02/2017
(87) International Publication No :WO 2018/148895
(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)ZENG, Weiliang
3)NAMGOONG, June
4)ZHANG, Xiaoxia
5)MANOLAKOS, Alexandros
6)ZHANG, Yu
7)MALLIK, Siddhartha
8)SORIAGA, Joseph Binamira

(57) Abstract :
A method for wireless communications comprising: signaling to a user equipment (UE) an indication of one of at least two rules regarding how quasi co-location (QCL) configured for the UE should be applied for one or more DMRS ports; and sending downlink transmission to the UE with the one or more DMRS ports; receiving signaling from a base station and processing signals received on one or more DMRS ports based on the indicated rule. Said method improves communications between access points and stations in a wireless network.

No. of Pages : 31 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/07/2019

(21) Application No.201947027678 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SUPPORT MODULE FOR A STRUCTURE

(51) International classification :E04G11/36E04G17/14
(31) Priority Document No :2016905163
(32) Priority Date :14/12/2016
(33) Name of priority country :Australia
(86) International Application No :PCT/AU2017/051387
Filing Date :14/12/2017
(87) International Publication No :WO 2018/107230
(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)MULLANEY, Nicholas Bruce
2)HOWELL, James Richard

(57) Abstract :
A module for constructing foundations for a structure comprising: a plurality of formwork members that define a pair of side walls that define a space between the side walls; a brace that extends between the pair of side walls and is coupled thereto to hold the side walls in a spaced relationship; a three dimensional reinforcement cage that includes the brace a plurality of first members and a plurality of second members perpendicular to the first members the first members coupled to at least the brace and the second members coupled to at least one of the plurality of the first members and the brace wherein the cage forms an internal support within the space between the side walls for receiving a settable material such that the side walls become integrated with the internal support as the settable substrate sets to form the module.

No. of Pages : 46 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/07/2019

(21) Application No.201947027985 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CHARACTERIZING ANTENNA PATTERNS

(51) International classification :G01R29/10
(31) Priority Document No :15/392937
(32) Priority Date :28/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/039511
Filing Date :27/06/2017
(87) International Publication No :WO 2018/125285
(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)COUTTS, Gordon, Michael
2)KOWALEWSKI, Damian

(57) Abstract :
In one embodiment a method includes determining a received power at a receiving antenna mounted to an antenna measurement system from a transmitting antenna mounted to a device under test (DUT) in motion relative to the antenna measurement system; determining one or more first orientation parameters of the antenna measurement system; determining one or more second orientation parameters of the DUT; and determining an antenna pattern of the transmitting antenna based on the received power the first orientation parameters and the second orientation parameters.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/07/2019

(21) Application No.201947028043 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : APPLICATION-BASED DATA INTERACTION METHOD AND APPARATUS

(51) International classification :H04L12/701
(31) Priority Document No :201710043725.2
(32) Priority Date :19/01/2017
(33) Name of priority country :China
(86) International Application No :PCT/CN2018/071715
Filing Date :08/01/2018
(87) International Publication No :WO 2018/133684
(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)WANG, Sen

(57) Abstract :
Provided are an application-based data interaction method and apparatus. The method comprises: sending a data interaction request; choosing to create a first channel performing data interaction with a third party; establishing by means of the third party and an application server a second channel for data interaction; selectively opening the first channel and the second channel; and when both the first channel and the second channel are open performing data interaction with the application server so that when it is impossible to directly perform data interaction with the application server data interaction with the application server can be indirectly performed by opening the first channel and the second channel thereby improving the degree of usage satisfaction of data interaction of the application.

No. of Pages : 15 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/07/2019

(21) Application No.201947028064 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : LIGHT BASED TISSUE TREATMENT DEVICE

(51) International classification :A61B18/22A61B18/24H01S3/094
(31) Priority Document No :16203445.8
(32) Priority Date :12/12/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/081584
Filing Date :05/12/2017
(87) International Publication No :WO 2018/108637
(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)VERHAGEN, Rieko
2)VARGHESE, Babu

(57) Abstract :
A light based treatment device comprises an optical arrangement at a light exit end of an optical fiber. The optical arrangement includes a master oscillator power amplifier based on a semiconductor optical laser and a crystal optical amplifier. In this way the peak power provided along the optical fiber can be reduced to prevent damage to the optical fiber while enabling a sufficiently high pulse power to be delivered for tissue treatment.

No. of Pages : 12 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/07/2019

(21) Application No.201947028065 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : AN ELECTRONIC CALCULATING DEVICE ARRANGED TO CALCULATE THE PRODUCT OF INTEGERS

(51) International classification :G06F7/72
(31) Priority Document No :16203457.3
(32) Priority Date :12/12/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/081900
Filing Date :07/12/2017
(87) International Publication No :WO 2018/108705
(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)DE HOOGH, Sebastiaan, Jacobus, Antonius
3)GORISSEN, Paulus, Mathias, Hubertus, Mechtildis, Antonius
4)TOLHUIZEN, Ludovicus, Marinus, Gerardus, Maria
5)RIETMAN, Ronald

(57) Abstract :
An electronic calculating device (100; 200) arranged to calculate the product of integers the device comprising a storage (110) configured to store integers (210 220) in a multi-layer residue number system (RNS) representation the multi-layer RNS representation having at least an upper layer RNS and a lower layer RNS the upper layer RNS being a residue number system for a sequence of multiple upper moduli (Mi) the lower layer RNS being a residue number system for a sequence of multiple lower moduli (mi) an integer (x) being represented in the storage by a sequence of multiple upper residues (xi= (x)Mi; 211 221) modulo the sequence of upper moduli (Mi) upper residues (xj; 210.2 220.2) for at least one particular upper modulus (Mj) being further-represented in the storage by a sequence of multiple lower residues ((xj)mj 212 222) of the upper residue (xj) modulo the sequence of lower moduli (mi) wherein at least one of the multiple lower moduli (mi) does not divide a modulus of the multiple upper moduli (Mj).

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/07/2019

(21) Application No.201947028066 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : TARGET PROBE PLACEMENT FOR LUNG ULTRASOUND

(51) International classification :A61B8/08A61B8/13A61B8/00
(31) Priority Document No :62/433330
(32) Priority Date :13/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2017/082054
Filing Date :08/12/2017
(87) International Publication No :WO 2018/108742
(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)WANG, Shougang
3)SRINIVASA NAIDU, Raghavendra
4)KIM, Seungsoo
5)POLAND, Mckee, Dunn
6)XU, Jingping

(57) Abstract :
The present disclosure describes an ultrasound imaging system configured to identify a target placement of an ultrasound probe for viewing a lung pleural line. In some examples the system may include an ultrasound probe configured to receive ultrasound echoes from a subject to image a region of the subject and a data processor in communication with the ultrasound probe. The data processor may be configured to identify one or more candidate pleural lines and one or more A-lines corresponding to the candidate pleural lines compute an A-line intensity of at least one of the A-lines and apply the computed A-line intensity to indicate a target placement of the ultrasound probe for imaging the region for pleural line identification. The system may also include a user interface in communication with the data processor. The user interface may be configured to alert the user of the target placement of the ultrasound probe.

No. of Pages : 25 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/07/2019

(21) Application No.201947028067 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SUPPORTING STRUCTURE FOR A GRADIENT COIL ASSEMBLY OF A MRI

(51) International classification :G01R33/385G01R33/3873G01R33/421
(31) Priority Document No :PCT/CN2016/109837
(32) Priority Date :14/12/2016
(33) Name of priority country :PCT
(86) International Application No :PCT/EP2017/082669
Filing Date :13/12/2017
(87) International Publication No :WO 2018/109028
(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)HAM, Cornelis, Leonardus, Gerardus
2)PAN, Jun
3)LIN, Jian
4)HUANG, Xianrui
5)ZHAO, Yan
6)ZHOU, Yun

(57) Abstract :
The invention concerns to a gradient coil assembly (62) for use in a Magnetic Resonance Imaging (MRI) system. The gradient coil assembly (62) comprises primary coils (68) shield coils (72) and a supporting structure (10) being arranged between the primary coils (68) and the shield coils (72) wherein the supporting structure (10) comprises at least a supporting element (12) comprising a first end face (14) and at least a first recess (24) with an opening (26) in the first end face (14) wherein the first recess (24) extends in a longitudinal direction (18) of the supporting element (12) forming a tray for receiving a passive shim bar.

No. of Pages : 18 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/07/2019

(21) Application No.201947028068 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A HAIR CUTTING DEVICE AND A METHOD OF OPERATING A HAIR CUTTING DEVICE

(51) International classification :A61B18/20A61B18/00
(31) Priority Document No :16203717.0
(32) Priority Date :13/12/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/081946
Filing Date :08/12/2017
(87) International Publication No :WO 2018/108718
(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)THUMMA, Kiran, Kumar
3)MOESKOPS, Bastiaan, Wilhelmus, Maria
4)JOHNSON, Mark, Thomas
5)VERHAGEN, Rieko

(57) Abstract :
There is provided a hair cutting device a hair cutting device for cutting hair on a subject the hair cutting device comprising a light source for generating light at one or more specific wavelengths corresponding to wavelengths absorbed by one or more chromophores in or on hair; a cutting element that comprises an optical waveguide that is coupled at a first end to the light source to receive light wherein a portion of a sidewall of the optical 5 waveguide forms a cutting face for contacting hair; and a control unit that is coupled to the light source wherein the control unit is configured to vary the power of the light generated by the light source between first and second power levels during operation such that on heating of a hair by light coupling from a contact point on the cutting face into the hair the temperature of the contact point on the cutting face is maintained below a glass transition 10 temperature for the optical waveguide wherein the first power level is higher than the second power level.

No. of Pages : 14 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/07/2019

(21) Application No.201947028069 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A METHOD AND APPARATUS FOR MODIFYING A CONTOUR COMPRISING A SEQUENCE OF POINTS POSITIONED ON AN IMAGE

(51) International classification :G06T11/20
(31) Priority Document No :16203620.6
(32) Priority Date :13/12/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/082461
Filing Date :12/12/2017
(87) International Publication No :WO 2018/108933
(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)VAREKAMP, Christiaan

(57) Abstract :
There is provided a method and apparatus for modifying a contour comprising a sequence of points positioned on an image. A position of a movable indicator on the image relative to one or more points of the sequence is detected (202). The movable indicator is movable by a user. At least one point is removed from the contour at least one point is added to the contour or at least one point is removed from the contour and at least one point is added to the contour based on a distance of the detected position of the movable indicator on the image from the one or more points (204).

No. of Pages : 20 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/07/2019

(21) Application No.201947028361 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DEVIANT CONTROL IN ADDITIVE MANUFACTURING

(51) International classification :B29C64/205B29C64/393B29C64/165
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2017/013914
Filing Date :18/01/2017
(87) International Publication No :WO 2018/136048
(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)AJA HARTMAN
2)LIHUA ZHAO

(57) Abstract :
In one example an additive manufacturing process includes: making an object slice by slice including dispensing a first quantity of each of multiple liquid functional agents on to a layer of fusable build material and then irradiating the layer of build material; while making the object identifying a deviant region in a slice; and dispensing a second quantity different from the first quantity of at least one of the functional agents into a location corresponding to the deviant region.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/07/2019

(21) Application No.201947028404 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DAMPING SYSTEM FOR A VEHICLE HEADLAMP

(51) International classification :B60Q1/04B60Q1/076
(31) Priority Document No :1663315
(32) Priority Date :23/12/2016
(33) Name of priority country :France
(86) International Application No :PCT/FR2017/053783
Filing Date :21/12/2017
(87) International Publication No :WO 2018/115769
(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)KOULOUH, Hassan
2)RIVIER, Cyril

(57) Abstract :
A damping system for a vehicle headlamp (1) comprising a housing (15) containing an optical module (5) provided with a light source the damping system comprising a damping module (7) a first linking module configured to link the optical module (5) to the damping module (7) and a second linking module configured to link the housing (15) to the damping module (7); the damping module (7) being configured such that when at least one force with a value less than at least one predetermined value is exerted on the optical module (5) the optical module (5) remains stationary relative to the housing (15) and when at least one force with a value greater than at least one predetermined value is exerted on the optical module (5) the optical module (5) moves resiliently relative to the housing (15).

No. of Pages : 12 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/07/2019

(21) Application No.201947028433 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DEVICE FOR INSERTING A TONGUE INTO AN INSERTION GROOVE IN A PANEL

(51) International classification :B27M3/18B25B27/02F16B5/06
(31) Priority Document No :1651731-0
(32) Priority Date :22/12/2016
(33) Name of priority country :Sweden
(86) International Application No :PCT/SE2017/051305
Filing Date :20/12/2017
(87) International Publication No :WO 2018/117953
(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)FRANSSON, Jonas
2)BLOMGREN, Andreas
3)ERIKSON, Karl

(57) Abstract :
A handheld device 80 is disclosed for inserting a tongue (30) into an insertion groove (20) in a panel. The device includes a first part (10) including a power unit 16 which is configured for driving a puncher (14). The handheld device includes a second part (2) which is connected to the first part 10. The second part includes the displaceable puncher (14) and a guiding device 13 which is configured to guide the displaceable puncher (14) and the tongue (30). Anouter edge (60) of the second part 2includes a first positioning element (54) and a second positioning element (55). The first positioning element (54) and the second positioning element (55) are configured to be positioned at least partly in the insertion groove (20) during an (10) insertion of the tongue into the insertion groove. The displaceable puncher (14) is configured to displace the tongue (30) from the handheld device to an inserted position in the insertion groove (20).

No. of Pages : 12 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/07/2019

(21) Application No.201947028462 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD AND DEVICE FOR STARTING AND OPERATING SYSTEM, AND COMPUTER STORAGE MEDIUM

(51) International classification :G06F9/445
(31) Priority Document No :201611244019.6
(32) Priority Date :28/12/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/082283
Filing Date :27/04/2017
(87) International Publication No :WO 2018/120548
(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)WU, Honglei

(57) Abstract :
Disclosed are a method and device for starting and operating a system and a computer storage medium. The method comprises: partitioning a storage apparatus into a plurality of storage zones and partitioning a system code into a plurality of code segments; storing the plurality of code segments in corresponding storage zones of the storage apparatus; and upon starting or operating a system copying the code segments stored in the storage zones of the storage apparatus and operating the same in a memory.

No. of Pages : 36 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/07/2019

(21) Application No.201947028478 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ELONGATED STRUCTURE

(51) International classification :E04H12/00E01F9/00E04H12/08
(31) Priority Document No :16206374.7
(32) Priority Date :22/12/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/082523
Filing Date :13/12/2017
(87) International Publication No:WO 2018/114495
(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)FRIEDERICHS, Winand, Hendrik, Anna, Maria
3)BIJL, Petra
4)DE GOEDEREN-OEI, Ay, Ling

(57) Abstract :
The invention provides an elongated structure comprising a pole having a wall around a hollow core as a tubular body part extending along a length axis. A base section of the wall of the tubular body part is connected to an H-shaped frame extending from a foot of the pole along the length axis said H-shaped frame being arranged in the core. The wall at the location of the H-shaped frame is provided with a door said door in closed position being flush with the wall and in opened position providing access to the core.

No. of Pages : 12 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/07/2019

(21) Application No.201947028187 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : THERAPEUTICALLY ACTIVE COMPLEXES

(51) International classification :A61K31/201A61K38/17A61P35/00
(31) Priority Document No :1621752.3
(32) Priority Date :20/12/2016
(33) Name of priority country :U.K.
(86) International Application No :PCT/IB2017/058140
Filing Date :19/12/2017
(87) International Publication No :WO 2018/116165
(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)NADEEM, Aftab
3)MOK, Kenneth Hun
4)HO, Chin Shing

(57) Abstract :
A biologically active complex comprising a peptide of up to 50 amino acids in length which comprises an alpha-helical domain of a protein which has membrane perturbing activity or a variant thereof which lacks cysteine residues and oleic acid or a salt thereof provided the protein is other than alpha-lactalbumin. Complexes of this type are useful in therapy in particular cancer therapy.

No. of Pages : 30 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/07/2019

(21) Application No.201947028189 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : INTERACTIVE TREASURE HUNT METHOD AND SYSTEM THEREOF

(51) International classification :G07F17/32
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2017/000120
Filing Date :18/01/2017
(87) International Publication No :WO 2018/132929
(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)CHU, En-Hsin
2)CHU, En-Hsin
3)HUANG, Kuan-Wei

(57) Abstract :
An interactive treasure-hunting game system includes a treasure-hunting game machine, a control module, a portable device and a server. The treasure-hunting game machine contains objects. The control module is inserted in and operatively connected to the treasure-hunting game machine. The control module, the portable device and the server are connected to one another via the internet.
Fig.1

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/07/2019

(21) Application No.201947028197 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SMOKE OR FIRE BARRIER FOR A CLEAN ROOM

(51) International classification :A62C2/10E06B9/42E06B5/16
(31) Priority Document No :1621718.4
(32) Priority Date :20/12/2016
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2017/053828
Filing Date :20/12/2017
(87) International Publication No :WO 2018/115860
(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)REED, James

(57) Abstract :
A smoke or fire barrier (1) comprising a head box (2) which contains a roller (9). Extending from the head box are a pair of side guides (3) which guide a metallic foil curtain (5) from the roller where it is stored to the ground when deployed. At the bottom of the curtain (5) where it meets the ground when deployed is a bottom bar (4). The metallic foil curtain (5) is made up of individual foil panels (6). The curtain is made from a panel of stainless steel with dimples (8) across it. The dimples allow improved characteristics when rolling and being stored as it holds its shape better. The dimples also provide improved heat transfer characteristics.

No. of Pages : 7 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/07/2019

(21) Application No.201947028231 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD FOR PREVENTING AND TREATING DRUG-INDUCED RENAL INJURY

(51) International classification :A61K38/48A61P13/12
(31) Priority Document No :PCT/CN2016/110169
(32) Priority Date :15/12/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/089059
Filing Date :19/06/2017
(87) International Publication No :WO 2018/107699
(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)LI, Jinan

(57) Abstract :
A method for preventing and/or treating drug-induced renal tissue injury and related diseases thereof of a subject comprising administering an effective amount of plasminogen to a subject. Also provided are a drug a pharmaceutical composition a product and a kit comprising plasminogen and used for preventing and/or treating drug-induced renal tissue injury and related diseases thereof of the subject.

No. of Pages : 41 No. of Claims : 66

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/07/2019

(21) Application No.201947028232 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD FOR PREVENTING AND TREATING PATHOLOGICAL RENAL TISSUE INJURY

(51) International classification :A61K38/48A61P13/12
(31) Priority Document No :PCT/CN2016/110169
(32) Priority Date :15/12/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/089060
Filing Date :19/06/2017
(87) International Publication No :WO 2018/107700
(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)LI, Jinan

(57) Abstract :
A method for preventing and/or treating renal tissue injury of a subject comprising administering an effective amount of plasminogen to a subject. The subject is at the risk of suffering renal tissue injury is suspected to suffer renal tissue injury or suffers renal tissue injury. Also provided are a drug a pharmaceutical composition a product and a kit comprising plasminogen and used for preventing and/or treating renal tissue injury and related diseases thereof of a subject.

No. of Pages : 36 No. of Claims : 66

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/07/2019

(21) Application No.201947028233 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DRUG FOR PREVENTING AND TREATING OSTEOPOROSIS AND USES THEREOF

(51) International classification :A61K38/48A61K45/06A61P19/10
(31) Priority Document No :PCT/CN2016/110163
(32) Priority Date :15/12/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/116592
Filing Date :15/12/2017
(87) International Publication No :WO 2018/108165
(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 uses of plasminogen in preventing and/or treating osteoporosis and diseases related to the osteoporosis. The present invention also provides a drug and a product for preventing and/or treating osteoporosis.

No. of Pages : 47 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/07/2019

(21) Application No.201947028274 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SECURE OFFLINE RESOURCE OPERATIONS

(51) International classification :G06F15/173
(31) Priority Document No :201611175289.6
(32) Priority Date :19/12/2016
(33) Name of priority country :China
(86) International Application No :PCT/US2017/067334
Filing Date :19/12/2017
(87) International Publication No :WO 2018/118933
(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)CHEN, Ge
2)WANG, Lei
3)SHEN, Lingnan
4)CHEN, Xing

(57) Abstract :
Information associated with a resource operation is transmitted by a resource requester to a resource provider. The resource operation is associated with a resource stored on a resource server. The information associated with the resource operation is received by the resource provider from the resource requester. The resource operation is performed by the resource provider based on the received information from the resource requester instead of information from the resource server.

No. of Pages : 27 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027430 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : TRACKING REFERENCE SIGNAL CONFIGURATION DESIGN

(51) International classification :H04L5/00
(31) Priority Document No :62/459320
(32) Priority Date :15/02/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/013846
Filing Date :16/01/2018
(87) International Publication No :WO 2018/151885
(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)JOHN WILSON, Makesh Pravin
2)LUO, Tao
3)LEE, Heechoon

(57) Abstract :
A method an apparatus and a computer program product for wireless communication are provided. The apparatus may determine a signal configuration for transmitting a tracking reference signal (TRS) to a user equipment (UE). The signal configuration may identify a subset of locations of a set of locations included in a transmission window that is to be used to transmit the TRS and the signal configuration may be selected to assist the UE with one or more measurements. The apparatus may transmit based at least in part on the signal configuration the TRS in the subset of locations. Numerous other aspects are provided.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027432 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DYNAMIC SPACE BAR

(51) International classification	:G06F3/0489G06F3/0484G06F3/0488
(31) Priority Document No	:15/429903
(32) Priority Date	:10/02/2017
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2017/058288 :25/10/2017
(87) International Publication No	:WO 2018/147910
(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)ROBERTS-HOFFMAN, Katie Leah
2)MOONEY, Charles Zimmer

(57) Abstract :
Methods systems and apparatus including computer programs encoded on a computer storage medium for implementing a dynamic space bar are disclosed. In one aspect a method includes the actions of determining by a computing device that includes a touch-sensitive keyboard and trackpad a context of the computing device. The actions further include receiving touch input on the trackpad. The actions further include designating by the computing device and based on the previously-determined context of the computing device the touch input on the trackpad to be a selection of a space bar of the touch-sensitive keyboard. The actions further include providing for output to a display of the computing device and based on the computing device having designated the touch input on the trackpad to be a selection of the space bar an indication of the selection of the space bar.

No. of Pages : 26 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027442 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : INTEGRATED APPLICATION ISSUE DETECTION AND CORRECTION CONTROL

(51) International classification :G06F11/36G06F11/07G06F11/14
(31) Priority Document No :15/400071
(32) Priority Date :06/01/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/012123
Filing Date :03/01/2018
(87) International Publication No :WO 2018/129000
(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)MICROSOFT TECHNOLOGY LICENSING, LLC
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(72)**Name of Inventor :**
1)PATIL, Nagaraj
2)BUSAM, Srihari
3)MISRA, Himanshu
4)NICA, Doru, C.
5)BHUTHPUR, Raghavendra

(57) Abstract :
An issue is detected in the operation of a set of integrated applications. Assistive logic is launched and an application causing the issue is identified. Application running logic is controlled to roll the application back to a last known good state.

No. of Pages : 23 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027445 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : PHARMACEUTICAL COMBINATION COMPRISING A T-TYPE CALCIUM CHANNEL BLOCKER

(51) International classification	:A61K31/19A61K31/195A61K31/197
(31) Priority Document No	:PCT/EP2016/081455
(32) Priority Date	:16/12/2016
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2017/082981 :15/12/2017
(87) International Publication No	:WO 2018/109152
(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)IDORSIA PHARMACEUTICALS LTD
Address of Applicant :Hegenheimermattweg 91, 4123 Allschwil, Switzerland Switzerland
(72)**Name of Inventor :**
1)KESSLER, Melanie
2)ROCH, Catherine

(57) Abstract :
The present invention relates to a pharmaceutical combination comprising a first active ingredient which is N-[1-(5-Cyano-pyridin-2-ylmethyl)-1H-pyrazol-3-yl]-2-[4-(1 - trifluoromethyl-cyclopropyl)-phenyl]-acetamide or a pharmaceutically acceptable salt thereof and a second active ingredient which has an anti-epileptic effect or a pharmaceutically acceptable salt thereof.

No. of Pages : 47 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027446 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DISPLAY DEVICE AND ON-BOARD INFORMATION DISPLAY METHOD

(51) International classification :B60L3/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2017/003231
Filing Date :30/01/2017
(87) International Publication No :WO 2018/138923
(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)MITSUBISHI ELECTRIC CORPORATION
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(72)**Name of Inventor :**
1)ANDO, Eisho
2)NAKAGAWA, Masayo
3)SUGIMOTO, Akira

(57) Abstract :
A train drivers cab display device (100) comprising an image-producing process unit (20) that displays the status of instruments installed in a train car and a data compilation unit (30) having: a signal definition retaining unit (33) that retains a signal definition which is the source of a first signal requesting information of the status of the instruments installed in the car; a signal mapping management unit (31) that acquires constituent information including the number of train cars and travel direction information and on the basis of the signal definition and constituent information generates a first signal and requests the instrument status information; a signal data storage unit (35) that retains the value of a second signal which is instrument status information acquired by the request of the signal mapping management unit (31); and a signal mapping generation unit (34) that on the basis of the constituent information acquired from the signal mapping management unit (31) generates signal mapping information designating a sequence of cars on a display screen on which the instrument status is displayed and outputs the signal mapping information to the signal data storage unit (35).

No. of Pages : 44 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/07/2019

(21) Application No.201947028479 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : MAST LIGHTING DEVICE AND STREET LIGHT POLE

(51) International classification :H01Q1/12H01Q1/42F21S8/08
(31) Priority Document No :16206362.2
(32) Priority Date :22/12/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/082560
Filing Date :13/12/2017
(87) International Publication No :WO 2018/114510
(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)OH, Gun-Seok
3)THIERY, Romain
4)JEONG, Yong, Ju
5)FRIEDERICHS, Winand, Hendrik, Anna, Maria

(57) Abstract :
The invention provides a mast comprising a modular hollow tubular body having cylindrical outer wall segments with an outer surface and enclosing an axially extending cavity said tubular body comprising in its cavity a first mast segment arranged in between a base segment and a second mast segment and releasably connected thereto. Each of the base first and second mast segment has an internal structure for bearing the weight of the mast the internal structure of the first mast segment comprises in the cavity an axially extending inner cylinder connected via radially extending ribs to outer cylinder portions at a first respectively a second end of the inner cylinder and said ribs axially extending from said first end to said second end. Said inner structure being surrounded by a removably mounted outer wall segment. The inner cylinder by a core wall of the inner cylinder encloses an axially extending core cavity for enabling cabling to pass through from the cavity in the base segment to the cavity in the second mast segment. In mounted position the first part is connected with the first end of its core wall directly to the base part and with a second end of its core wall to the second mast segment.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/07/2019

(21) Application No.201947028493 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A MEDICAL IMPLANT AND A METHOD OF COATING A MEDICAL IMPLANT

(51) International classification :A61L27/32A61L27/34A61L24/02
(31) Priority Document No :2016905212
(32) Priority Date :16/12/2016
(33) Name of priority country :Australia
(86) International Application No :PCT/AU2017/051401
Filing Date :15/12/2017
(87) International Publication No :WO 2018/107243
(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)JEFFERY, Christopher, Arnold

(57) Abstract :
A synthetic bead for implantation within the body of an animal or human body the bead comprising a surface defining a shape having a bulk volume of the bead the surface of the bead being coated with at least a first therapeutic agent to form an inner layer; and an outer layer comprising a biodegradable polymer and a second therapeutic agent positioned above the inner layer.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/07/2019

(21) Application No.201947028526 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : LUBRICATING OIL COMPOSITION COMPRISING DISPERSANT COMB POLYMERS

(51) International classification :C10M149/04C10M149/06
(31) Priority Document No :16205042.1
(32) Priority Date :19/12/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/083038
Filing Date :15/12/2017
(87) International Publication No :WO 2018/114673
(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)YUKI, Tsuyoshi
2)ARAI, Yasuo
3)MATSUDA, Tomohiro
4)KISHIDA, Nobuhiro

(57) Abstract :
The present invention is directed to selected comb polymers comprising specifiedamounts of macromonomer and nitrogen-containing (meth)acrylates their preparation lubricant compositions comprising such comb polymers and their use as solubilizersinlubricant compositions especially inengine oil (EO) compositions.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/07/2019

(21) Application No.201947028527 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : MANAGEMENT METHOD SYSTEM AND DEVICE FOR MASTER AND STANDBY DATABASES

(51) International classification :G06F17/30
(31) Priority Document No :201611183638.9
(32) Priority Date :20/12/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/115392
Filing Date :11/12/2017
(87) International Publication No :WO 2018/113543
(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, Zhenkun
2)HUANG, Gui

(57) Abstract :
A management method system and device for master and standby databases. The method comprises: determining whether a lock owned by a master database is expired wherein the master database and standby databases share the lock (S110); if it is determined that the lock owned by the master database is expired determining whether a lock continuing request of the master database is received (S120); and if the lock continuing request of the master database is not received selecting one of the standby databases as a new master database and controlling the master database to be switched as a standby database (S130). According to the method if no lock continuing request is sent before a lock owned by a master database is expired it is determined that the lock owned by the master database is expired and cannot provide services for users normally so as to select a database as a new master database thereby improving the switching rate and the accuracy of the master and standby databases.

No. of Pages : 30 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/07/2019

(21) Application No.201947028528 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : INCREASED NOX CONVERSION BY OZONE INTRODUCTION

(51) International classification :F01N3/08F01N3/20F01N3/035
(31) Priority Document No :62/435,931
(32) Priority Date :19/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/067181
Filing Date :19/12/2017
(87) International Publication No :WO 2018/118835
(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)CONWAY, Raymond
2)AYDIN, Ceren
3)CHATTERJEE, Sougato
4)NASERI, Mojghan

(57) Abstract :
Exhaust purification system and methods for the reduction of emissions from an exhaust stream including an upstream catalyst coupled with a passive NOx adsorber catalyst; means to contact the exhaust stream with ozone to react NO in the exhaust stream with the ozone to produce NO2; and an SCR catalyst.

No. of Pages : 26 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027447 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DETECTING ELECTRONIC INTRUDERS VIA UPDATABLE DATA STRUCTURES

(51) International classification :G06F21/50G06F21/31G06Q20/20
(31) Priority Document No :15/408236
(32) Priority Date :17/01/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/013403
Filing Date :11/01/2018
(87) International Publication No :WO 2018/136307
(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, Hung-Tzaw
2)ZHOU, Haochuan
3)WEN, Ge
4)BODING, Benjamin Scott

(57) Abstract :
A data structure provides reliable data allowing a security application to detect potential instances of fraudulent use of a payment account. The data structure can be generated using data elements associated with transactions from new authentication requests in a transaction. Once the data structure is generated clusters within the data structure can be associated with legitimate authentication requests or potentially fraudulent authentication requests. A baseline cluster can be identified from the data structure and used to determine whether the new incoming authentication requests are legitimate or potentially fraudulent.

No. of Pages : 37 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027448 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : USE OF CARBAMATE COMPOUND FOR PREVENTING ALLEVIATING OR TREATING TREMORS OR TREMOR SYNDROME

(51) International classification :A61K31/41A61K31/325
(31) Priority Document No :10-2016-0170225
(32) Priority Date :14/12/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2017/014743
Filing Date :14/12/2017
(87) International Publication No :WO 2018/111009
(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)YOO, Jin Uk
2)LEE, Hye Sung
3)YI, Han Ju

(57) Abstract :
The present invention relates to a use of a pharmaceutical composition which includes a carbamate compound of chemical formula 1 and is administrated to prevent alleviate or treat tremors or tremor syndrome.

No. of Pages : 21 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027451 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CRYPTOGRAPHIC OPERATIONS IN AN ISOLATED COLLECTION

(51) International classification :H04L9/14
(31) Priority Document No :15/400141
(32) Priority Date :06/01/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/012278
Filing Date :04/01/2018
(87) International Publication No :WO 2018/129110
(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)MULLINS, Christopher L.

(57) Abstract :
Examples of the present disclosure describe systems and methods for performing cryptographic operations in an isolated collection. In an example a user may have an associated user resource within the isolated collection which may be associated with a cryptographic key. Other users may access the users key from a known location to manually or automatically perform one or more cryptographic operations. In another example a key may be generated when initiating a group conversation. The key may be encrypted for and provided to each participant using each participants public key. Each participant may then use the cryptographic key during the conversation. A new participant may receive authorization to join the conversation from an existing participant wherein the encrypted key of the existing participant may be decrypted and re-encrypted using the new participants public key. The new participant may then use the re-encrypted key to participate in the conversation.

No. of Pages : 37 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027485 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : TIME-SLICE-INSTRUMENTATION FACILITY

(51) International classification :G06F9/48G06F9/50
(31) Priority Document No :15/402412
(32) Priority Date :10/01/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2017/083139
Filing Date :15/12/2017
(87) International Publication No :WO 2018/130375
(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)GIAMEI, Bruce, Conrad
2)SCHMIDT, Donald, William
3)JACOBI, Christian
4)SAPORITO, Anthony
5)ROSA, Daniel

(57) Abstract :
A facility is provided for collecting time-slice-instrumentation information during processing unit execution. The facility counts at least in part occurrence of a specified processing unit event during a time-slice of processing unit execution. The counted events occurring during a first interval of execution and a second interval of execution of the time-slice are retained. The first interval of execution is earlier in the time-slice than the second interval of execution and the counted events facilitate adjusting performance of the processing unit. In an embodiment the time-slice is a contiguous period of time of processing unit execution and the specified processing unit event includes a cache event. The processing unit may interleave processing of multiple different units of work across multiple contiguous time-slices and during a single time-slice a single unit of work of the multiple different units of work is processed by the processing unit.

No. of Pages : 29 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027498 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHODS AND SYSTEMS USING IONOPHORES TO CONTROL CONTAMINATION IN FERMENTATION OF GASEOUS SUBSTRATES

(51) International classification :C12P7/06C12P7/14C12P7/04
(31) Priority Document No :62/438,211
(32) Priority Date :22/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/066450
Filing Date :14/12/2017
(87) International Publication No :WO 2018/118650
(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)TERRILL, Jennine B.

(57) Abstract :
Provided is a method of anaerobically fermenting a gaseous substrate to form a liquid product the method comprising: (a) introducing the gaseous substrate into a bio-reactor the gaseous substrate comprising at least one of the following constituents: carbon monoxide carbon dioxide and hydrogen (b) the bio-reactor comprising a fermentation broth therein the fermentation broth containing at least two types of microorganisms one type comprising at least one fermenting species and the other type comprising at least one competing species; (c) introducing at least one type of ionophore into the reactor the ionophore having selectivity for preferentially inhibiting the at least one competing species from growing and/or producing an undesired product; and (d) allowing the gaseous substrate to ferment by exposure to the at least one fermenting species to produce the liquid product and a system for doing the same.

No. of Pages : 41 No. of Claims : 118

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/07/2019

(21) Application No.201947028275 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : GRIPPER BAR LOCKING APPARATUS AND SHEET PROCESSING DEVICE

(51) International classification :B41F21/04
(31) Priority Document No :201611186507.6
(32) Priority Date :20/12/2016
(33) Name of priority country :China
(86) International Application No :PCT/IB2017/058126
Filing Date :19/12/2017
(87) International Publication No :WO 2018/116157
(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)BOBST (SHANGHAI) LTD
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(72)**Name of Inventor :**
1)YAN, Xiao
2)GORTAIS, Ludovic

(57) Abstract :
A gripper bar locking apparatus(20) which is configured to lock and adjust a position of a gripper bar(90) comprising: a supporting plate(22) having a distal end and a proximal end; a lever portion(23) a distal end of which is pivotally mounted on the proximal end of the supporting plate; a cartridge(24) movably mounted on a proximal end of the lever portion and provided with a gripper bar abutment; and an adjusting means(28) provided on the cartridge and configured to adjust a position of the cartridge with respect to the lever portion. Further a sheet processing device comprising: a plurality of sheet processing stations; a conveyor(80) including a plurality of gripper bars(90) for gripping a sheet; and the gripper bar locking apparatus(20). By using the gripper bar locking apparatus the adjustment of the position of the gripper is facilitated.

No. of Pages : 12 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/07/2019

(21) Application No.201947028276 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : STANNOUS COMPATIBLE SILICA

(51) International classification :C01B33/18C01B33/193A61Q11/02
(31) Priority Document No :62/435,921
(32) Priority Date :19/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2017/081091
Filing Date :01/12/2017
(87) International Publication No :WO 2018/114280
(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)GALLIS, Karl W.
2)HAGAR, William J.
3)NASSIVERA, Terry W.
4)DOLAN, Lawrence Edward
5)MIDHA, Sanjeev
6)SCHNEIDERMAN, Eva

(57) Abstract :
Silica particles having a BET surface area from 0.1 to 7m2/g a pack density from 35 to 55 lb/ft3 an Einlehner abrasion value from 8 to 25 mg lost/100000 revolutions a total mercury intrusion pore volume from 0.7 to 1.2cc/gand a stannous compatibility from 70 to 99% are disclosed as well as methods for making these silica particles.

No. of Pages : 79 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/07/2019

(21) Application No.201947028294 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : HEAT TREATABLE COATED ARTICLE FOR USE IN BACKSPLASH APPLICATIONS

(51) International classification :C03C17/34
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/IB2016/057736
Filing Date :16/12/2016
(87) International Publication No :WO 2018/109534
(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)BISWAS, Aritra
2)BALACHANDRAN, Gopal

(57) Abstract :
Coated articles for use in backsplash applications such as kitchen backsplashes bathroom backsplashes and bathroom floor/wall applications. The coated article includes a coating on a glass substrate where the coating includes a plurality of dielectric layers and a plurality of metal-based layers and is configured so that the coated article has desirable glass side reflective coloration (e.g. bronze blue silver and/or grey coloration) and is sufficiently opaque to hide adhesive used to adhere the coated article to walls/floors. The coating may be configured to realize thermal stability in order to have minimal or reduced glass side reflective color shift up heat treatment (e.g. thermal tempering).

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/07/2019

(21) Application No.201947028331 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SEMICONDUCTOR SWITCHING DEVICE

(51) International classification :H01L23/051
(31) Priority Document No :17151841.8
(32) Priority Date :17/01/2017
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2018/051018
Filing Date :16/01/2018
(87) International Publication No :WO 2018/134204
(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)ABB SCHWEIZ AG
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(72)**Name of Inventor :**
1)WIKSTROEM, Tobias

(57) Abstract :
The invention relates to a semi-fabricated switching device comprising a semiconductor element (1) and a housing (2) comprising a spring system with a ring-shaped washer (6) laterally surrounding the semiconductor element (1) for clamping the semiconductor element (1) between two pole pieces (3 4). The washer (6) is deflectable between the pole pieces by a first deflection element (7) which contacts the washer (6) in a first contact area (61) on a first side (60) and by a second deflection element (8) which contacts the washer (6) in a second contact area (63) on a second side (62). The first contact area (61) is displaced to the second contact area (63). The first and second deflection element (7 8) can deflect the washer (6) such that in clamped condition an electrical contact is achievable between the pole pieces and the semiconductor element (1).

No. of Pages : 13 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/07/2019

(21) Application No.201947028339 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : AUTOMATED COMPUTATION OF TRIGGER DELAY FOR TRIGGERED MAGNETIC RESONANCE IMAGING SEQUENCES

(51) International classification :A61B5/00A61B5/055G01R33/567
(31) Priority Document No :62/433835
(32) Priority Date :14/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2017/082237
Filing Date :11/12/2017
(87) International Publication No :WO 2018/108821
(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 :High Tech Campus 5 5656 AE Eindhoven Netherlands
(72)**Name of Inventor :**
1)SENEGAS, Julien
2)KRUEGER, Sascha

(57) Abstract :
A magnetic resonance (MR) imaging device (10) repeatedly executes a navigator pulse sequence (40) to generate navigator data in image space as a function of time and a motion signal (44) of an anatomical feature that moves with a physiological cycle (e.g. respiration) as a function of time is extracted from the navigator data. A concurrent physiological signal (16) as a function of time is generated by a physiological monitor (12 14) concurrently with the repeated execution of the navigator pulse sequence. A gating time offset (50) is determined by comparing the motion signal of the anatomical feature as a function of time and the concurrent physiological signal as a function of time. The MR imaging device performs a prospective or retrospective gated MR imaging sequence (36) using gating times defined as occurrence times of gating events detected by the physiological monitor modified by the gating time offset.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027499 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : NON-VOLATILE MEMORY

(51) International classification :G11C11/16
(31) Priority Document No :1621485.0
(32) Priority Date :16/12/2016
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2017/053674
Filing Date :06/12/2017
(87) International Publication No :WO 2018/109441
(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)ZEMEN, Jan
2)MIHAI, Andrei Paul
3)ZOU, Bin
4)BOLDRIN, David
5)DONCHEV, Evgeniy

(57) Abstract :
A non-volatile memory cell comprising: a storage layer comprised of a ferromagnetic or ferroelectric material in which data is recordable as a direction of magnetic or electric polarisation; a piezomagnetic layer comprised of an antiperovskite piezomagnetic material selectively having a first type of effect on the storage layer and a second type of effect on the storage layer dependent upon the magnetic state and strain in the piezomagnetic layer; and a strain inducing layer for inducing a strain in the piezomagnetic layer thereby to switch from the first type of effect to the second type of effect.

No. of Pages : 23 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027509 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ENHANCED STABILITY OF UREASE INHIBITOR-CONTAINING COMPOSITIONS

(51) International classification :C05G3/08
(31) Priority Document No :62/448,125
(32) Priority Date :19/01/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2018/050295
Filing Date :17/01/2018
(87) International Publication No :WO 2018/134752
(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)BARR, Douglas
2)GARNIER, Ethel

(57) Abstract :
Methods for enhancing the stability of urease inhibitors and urease inhibitor-containing compositions and for reducing the rate of degradation of urease inhibitors and urease inhibitor- containing compositions are provided. Such methods generally involve providing the urease inhibitor in the form of one or more adducts of the urease inhibitor with urea an aldehyde or both urea and the aldehyde.

No. of Pages : 24 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027512 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ACID-RESISTANT UREASE INHIBITOR ADDUCT -CONTAINING FERTILIZER COMPOSITIONS

(51) International classification :C05C9/00C05C9/02C05G3/08
(31) Priority Document No :62/448466
(32) Priority Date :20/01/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2018/050319
Filing Date :18/01/2018
(87) International Publication No :WO 2018/134765
(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)BARR, Douglas
2)GARNIER, Ethel

(57) Abstract :
A urease inhibiting acidic fertilizer composition is provided the fertilizer composition including urea; one or more adducts of a urease inhibitor with urea formaldehyde or both urea and formaldehyde; a particulate acidic fertilizer; and a basic component. Methods of forming and using such fertilizer compositions are also provided herein.

No. of Pages : 36 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027519 A
(43) Publication Date : 19/07/2019

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

(51) International classification :F02D15/02F02B75/32
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2016/086981
Filing Date :13/12/2016
(87) International Publication No :WO 2018/109819
(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)TAKAHASHI, Eiji

(57) Abstract :
The present invention has: a variable compression ratio mechanism (10) for changing an engine compression ratio according to the rotational position of a control shaft (14); a driving motor (20) that rotationally drives a rotary shaft (23); and a linking mechanism (21) for mechanically linking the control shaft (14) with the rotary shaft (23). The linking mechanism (21) has a reduction ratio (attenuation ratio) that is the ratio of the rotational amount of the rotary shaft (23) and the rotational amount of the control shaft (14) and that changes according to the rotational position of the control shaft (14). Permissible in-cylinder pressure is set which is a permissible limit pressure in a combustion chamber of an internal combustion engine. The permissible in-cylinder pressure at an engine compression ratio where the reduction ratio becomes low is set lower than that at an engine compression ratio where the reduction ratio becomes high.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/07/2019

(21) Application No.201947027531 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A SYSTEM AND METHOD FOR ESTABLISHING SOLDERLESS CONNECTION BETWEEN ELECTRICAL AND ELECTRONIC CIRCUITS

(51) International classification :H01R12/00H05K3/00
(31) Priority Document No :201641042175
(32) Priority Date :09/12/2016
(33) Name of priority country :India
(86) International Application No :PCT/IN2017/050583
Filing Date :09/12/2017
(87) International Publication No :WO 2018/104969
(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)HARISH RAWLANI
2)PARAG GULHANE

(57) Abstract :
The embodiments herein provide a system and method for providing mechanical stability to solderless electrical connections between electrical and electronic circuits or circuit elements through complementary mechanical coupling. The system improves the characteristics of solderless connection between electrical and electronic circuits by housing the circuits in mechanical connectors. The mechanical connectors are provided with extrusions and cavities to enable mechanical connection between one another. The mechanical connectors and electrical connection pins are placed in such a way that the electrical connecting pins on connectors are also connected to form electrical contact between the circuits affixed on connectors when connectors are mechanically coupled. The mechanical connector when used in along with electrical pins reduces the connection noise with no possibility of forming a wrong electrical connection.

No. of Pages : 29 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/07/2019

(21) Application No.201947028529 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : TILED MAP GENERATING METHOD AND APPARATUS IN VIRTUAL MAP AND TILED MAP UPDATING METHOD AND APPARATUS IN VIRTUAL MAP

(51) International classification :G09B29/00
(31) Priority Document No :201611184141.9
(32) Priority Date :20/12/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/116547
Filing Date :15/12/2017
(87) International Publication No :WO 2018/113604
(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)LIU, Huan
2)ZHENG, Rongyan

(57) Abstract :
A tiled map generating method and apparatus in virtual map and a tiled map updating method in virtual map. The updating method comprises: determining in a first region a central region where a virtual object is located (S410) wherein the first region is a regional map formed by a loaded tiled map in the virtual map where the virtual object is located and the boundary of the central region is located inside the first region; and after the virtual object moves out of the central region determining a distance parameter and updating a loading state of a tiled map that is not shared in the first region and a second region according to the distance parameter and the first region (S420) wherein the distance parameter represents a relative distance of the tiled map where the virtual object is located relative to the central region in a horizontal coordinate axis direction and a vertical coordinate direction in a tiled map coordinate system and the second region is a map region determined after movement of the first region based on the distance parameter.

No. of Pages : 27 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/07/2019

(21) Application No.201947028530 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : INTELLIGENT GLASS DISPLAYS AND METHODS OF MAKING AND USING SAME

(51) International classification :G02F1/153B64C1/14G02B27/01
(31) Priority Document No :62/438,989
(32) Priority Date :23/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/068300
Filing Date :22/12/2017
(87) International Publication No :WO 2018/119436
(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)STATON, Fielding B.
2)STRUMPF, David

(57) Abstract :
A multi-layered intelligent display system includes a first LCD display panel; a second OLED display panel; a smart panel disposed behind the second display panel; an LED panel disposed between the second display panel and the smart panel; a sensor for detecting the ambient light behind the smart panel and activating the LED panel if the ambient light is below a predetermined illuminance; a memory having programming instructions stored thereon; and a controller in communication with the first and second display panels the smart panel and the memory. The multi-layered intelligent glass display is operable in each of a display mode a multilayer display mode and a transparent mode.

No. of Pages : 42 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/07/2019

(21) Application No.201947028531 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SCR CATALYST DEVICE CONTAINING VANADIUM OXIDE AND MOLECULAR SIEVE CONTAINING IRON

(51) International classification :B01D53/94B01J23/22B01J29/76
(31) Priority Document No :16205231.0
(32) Priority Date :20/12/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/083687
Filing Date :20/12/2017
(87) International Publication No :WO 2018/115044
(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)MALMBERG, Stephan
2)SOEGER, Nicola

(57) Abstract :
The invention relates to a catalyst device for purifying exhaust gases containing nitrogen oxide by using selective catalytic reduction (SCR) the catalyst device comprising at least two catalytic layers the first layer containing vanadium oxide and a mixed oxide comprising titanium oxide and silicon oxide and the second layer containing a molecular sieve containing iron wherein the first layer is applied onto the second layer. The invention also relates to uses of the catalyst device and a method for purifying exhaust gases.

No. of Pages : 30 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/07/2019

(21) Application No.201947028585 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : GREASE COMPOSITION METHOD FOR MANUFACTURING GREASE COMPOSITION AND METHOD FOR USING GREASE COMPOSITION

(51) International classification	:C10M125/10C10M101/02C10M117/02
(31) Priority Document No	:2017-006937
(32) Priority Date	:18/01/2017
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2018/001244 :17/01/2018
(87) International Publication No	:WO 2018/135537
(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)SHISHIKURA, Akihiro
2)TAKADA, Tomonobu
3)SEKIGUCHI, Hiroki
4)KOGA, Asami
5)WATANABE, Go
6)IKEDA, Harutomo

(57) Abstract :
Provided are: a grease composition which has excellent extinguishing properties without needing water and can suppress fuming offensive odor generation and liquefaction when burned; and a method for manufacturing the grease composition. The grease composition comprises a base oil (A) a thickening agent (B) and an extinguishing agent (C) wherein: the base oil (A) comprises a base oil (A1) having a dynamic viscosity at 40 oC of 300 mm2/s or higher a sulfur content of 20 mass ppm or less and an initial boiling point of 400oC or higher; the extinguishing agent (C) comprises aluminum hydroxide (C1) and/or 135-triazine-135(2H4H6H)-tris(ethanol) (C2); and the content of the extinguishing agent (C) is 1.0-12.0 mass% relative to the total grease composition.

No. of Pages : 23 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/07/2019

(21) Application No.201947027549 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : FACILITY FOR EXTENDING EXCLUSIVE HOLD OF A CACHE LINE IN PRIVATE CACHE

(51) International classification	:G06F12/0815G06F12/084G06F9/52
(31) Priority Document No	:15/404,247
(32) Priority Date	:12/01/2017
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/EP2018/050112 :03/01/2018
(87) International Publication No	:WO 2018/130440
(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)JACOBI, Christian
3)SHUM, Chung-Lung
4)SCHMIDT, Donald, William
5)ROSA, Daniel
6)SAPORITO, Anthony

(57) Abstract :
A computing environment facility is provided to extend a hold of a cache line in private (or local) cache exclusively after processing a storage operand request. The facility includes determining whether a storage operand request to a storage location shared by multiple processing units of the computing environment is designated hold. In addition a determination is made whether a state of the corresponding cache line in private cache used for processing the storage operand request is owned exclusively. Based on determining that the storage operand request is designated hold and that the state of the corresponding cache line in private cache used for processing the storage operand request is owned exclusively continuing to hold the corresponding cache line in the private cache exclusively after completing processing of the storage operand request. The continuing to hold may include initiating a counter to facilitate the continuing hold for a desired set interval.

No. of Pages : 39 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/07/2019

(21) Application No.201947027565 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : WIRELESS COMMUNICATION SYSTEM, ACCESS POINT, TERMINAL, AND COMMUNICATION METHOD

(51) International classification :H04W74/02H04W84/12
(31) Priority Document No :2017-004668
(32) Priority Date :13/01/2017
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2018/000446
Filing Date :11/01/2018
(87) International Publication No :WO 2018/131637
(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)LANANTE ,Leonardo
2)NAGAO, Yuhei
3)OCHI ,Hiroshi

(57) Abstract :
This wireless communication system is equipped with an access point (AP) and a terminal (STA) that belong to a given BSS. The AP and the STA adaptively prohibit OBSS_PD-based SR.

No. of Pages : 34 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/07/2019

(21) Application No.201947027566 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SYSTEM FOR JOINING OR REINFORCING COMPONENTS

(51) International classification :F16B13/00F16B25/00F16B37/12
(31) Priority Document No :10 2016 125 201.8
(32) Priority Date :21/12/2016
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2017/084230
Filing Date :21/12/2017
(87) International Publication No :WO 2018/115358
(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)HECK, Andreas
2)HETTICH, Ulrich
3)SCHWAB, Andreas

(57) Abstract :
The invention relates to a system (18) for joining two components (10 12) or for reinforcing a component comprising a first and a second threaded sleeve (20 22) which each comprise the following: an outer thread (31) with the aid of which the threaded sleeve (20 22) can be screwed into the respective component (10 12) and which is suitable to form a composite with the respective component (10 12) and a power drive by which a torque for screwing the threaded sleeve (20 22) into the respective component can be transmitted to the threaded sleeve. The system (18) further comprises an elongate clamping element (24) which is suitable to be guided through the second threaded sleeve (22) and introduced into or guided through the first threaded sleeve (20) and which is suitable to axially clamp the first and the second threaded sleeve (20 22) in such a manner that the first and the second threaded sleeve (20 22) form opposed composite stresses in the respective component (10 12).

No. of Pages : 20 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/07/2019

(21) Application No.201947027567 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : PROCESS FOR THE PREPARATION OF POWDER COMPOSITIONS

(51) International classification :A61K36/28A61K36/758A61K36/9068
(31) Priority Document No :16204459.8
(32) Priority Date :15/12/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/080967
Filing Date :30/11/2017
(87) International Publication No :WO 2018/108549
(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)RONCHI, Massimo
2)FRATTINI, Elisabetta

(57) Abstract :
The present invention relates to a process for the preparation of powder compositions comprising a lipophilic extract of Echinacea spp. a lipophilic extract of Zingiber officinale and phospholipids. The invention also relates to powder compositions obtainable by the process of the invention and pharmaceutical nutraceutical and cosmetic formulations comprising said compositions. The invention regards the use of the powder compositions and formulations thereof in the prevention and/or treatment of inflammatory and painful states.

No. of Pages : 14 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/07/2019

(21) Application No.201947027568 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SECURED DELIVERY LOCKER

(51) International classification :G06Q10/08
(31) Priority Document No :62/435,440
(32) Priority Date :16/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/066335
Filing Date :14/12/2017
(87) International Publication No :WO 2018/112162
(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)TAYLOR, Robert C.
3)MATTINGLY, Todd D.
4)ATCHLEY, Michael D.
5)CANTRELL, Robert L.
6)O'BRIEN, John J.

(57) Abstract :
In some embodiments apparatuses and methods are provided herein useful for receiving and storing delivered items. In some embodiments a secured delivery locker is described herein that can communicate with delivery vehicles and/or users. In several embodiments an autonomous delivery vehicle can communicate with a secured delivery locker to authenticate itself. The secured delivery locker can then grant access to the delivery vehicle such as by opening a door to an interior thereof so that the delivery vehicle can deposit a package therein. The locker can then confirm receipt of the package and close the door. Thereafter the locker and/or the delivery vehicle can update a system to indicate that the package was delivered.

No. of Pages : 11 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/07/2019

(21) Application No.201947028587 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SINGLE-SIDED SUBMERGED ARC WELDING METHOD AND SINGLE-SIDED SUBMERGED ARC WELDING DEVICE

(51) International classification :B23K9/18B23K9/095B23K37/06
(31) Priority Document No :2017-005871
(32) Priority Date :17/01/2017
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2018/001075
Filing Date :16/01/2018
(87) International Publication No :WO 2018/135505
(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)YOKOTA, Hiroyoshi
3)KOMURA, Masaharu
4)KIHATA, Shigeru
5)SUGIYAMA, Daisuke
6)YASUHARA, Takuya

(57) Abstract :
In a single-sided submerged arc welding method and device for joining two abutted steel plates by submerged arc welding from one surface side using a plurality of electrodes at least one of the inter-electrode distances between adjacent electrodes is changed in the vicinity of the end side of the steel plates during the submerged arc welding. Thus the method and device can be applied to steel plates with a wide range of plate thicknesses rotational deformation suppressed weld metal cracking at the joint end part prevented and reworking after welding reduced.

No. of Pages : 44 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/07/2019

(21) Application No.201947028588 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : INFORMATION PROCESSING DEVICE IN-VEHICLE DEVICE INFORMATION PROCESSING METHOD COMMUNICATION METHOD INFORMATION PROCESSING PROGRAM AND COMMUNICATION PROGRAM

(51) International classification	:G08G1/01G08G1/09
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:PCT/JP2017/004695 :09/02/2017
(87) International Publication No	:WO 2018/146762
(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)KIMURA, Toru

(57) Abstract :
A grouping unit (1131) groups a plurality of vehicles each of which has an in-vehicle device mounted therein and is traveling in the same direction into a vehicle group and notifies the in-vehicle device in each vehicle of the plurality of vehicles that the vehicle belongs to the vehicle group. A reception unit (111) receives a disbandment request which requests that the vehicle group be disbanded from the in-vehicle device in a breakaway vehicle which is among the plurality of vehicles and which has assumed a different travel direction than the other vehicles. A group disbanding unit (1132) disbands the vehicle group when the reception unit (111) receives the disbandment request.

No. of Pages : 32 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/07/2019

(21) Application No.201947028598 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : PRINT AGENT APPLICATION ASSEMBLIES

(51) International classification :B41J2/41B41J27/12
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2017/019742
Filing Date :27/02/2017
(87) International Publication No :WO 2018/156169
(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)GODDEN, John W.
2)DEREGULES, Alex
3)SABO, David

(57) Abstract :
In an example a print agent application assembly includes a print agent transfer roller to receive print agent and transfer a portion of the print agent to a photoconductive surface and a print agent regulator roller to regulate a film thickness of print agent on the print agent transfer roller. The print agent regulator roller may include a nip forming region and a first mounting region. The print agent application assembly may further include a first resilient component which spans a diametrical width of the print agent regulator roller and acts on the print agent regulator roller outside the nip forming region to impart a lateral force to the first mounting region the lateral force urging the print agent regulator roller towards the print agent transfer roller. Fig 1.

No. of Pages : 10 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/07/2019

(21) Application No.201947028601 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : NON-ORIENTED ELECTRICAL STEEL SHEET AND METHOD FOR PRODUCING SAME

(51) International classification :C22C38/02C22C38/04C22C38/06
(31) Priority Document No :10-2016-0174362
(32) Priority Date :20/12/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2017/015126
Filing Date :20/12/2017
(87) International Publication No :WO 2018/117640
(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)PARK, June Soo
2)SONG, Dae Hyun

(57) Abstract :
A non-oriented electrical steel sheet according to an embodiment of the present invention comprises 1.0 to 4.0 wt% of Si 0.1 to 1.0 wt% of Mn 0.1 to 1.5 wt% of A1 0.001 to 0.01 wt% of Zn and 0.0005 to 0.005 wt% of B with the remainder comprising Fe and other unavoidable impurities.

No. of Pages : 21 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/07/2019

(21) Application No.201947028626 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DATA TRANSMISSION METHOD AND APPARATUS

(51) International classification :H04W24/02H04W24/08
(31) Priority Document No :201710007875.8
(32) Priority Date :05/01/2017
(33) Name of priority country :China
(86) International Application No :PCT/CN2018/071244
Filing Date :04/01/2018
(87) International Publication No :WO 2018/127057
(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)WANG, Tingting
3)DAI, Mingzeng
4)ZHANG, Hongping
5)ZENG, Qinghai

(57) Abstract :
The present invention discloses a data transmission method and apparatus. The method includes: receiving, by UE, first indication information sent by a wireless access device, where the first indication information is activation indication information or deactivation indication information; and when the first indication information is the activation indication information, executing, by the UE, a processing operation; or when the first indication information is the deactivation indication information, stopping, by the UE, the processing operation; where the processing operation includes at least one of a duplication operation and a switching operation; the duplication operation means transmitting same data through a plurality of links; and the switching operation means selecting one from a plurality of links to perform data transmission. According to the foregoing method, reliability of the data transmission can be improved, and when no processing operation needs to be executed, additional resource overheads caused by data transmission performed through the processing operation can be reduced. REFER TO FIGURE 5

No. of Pages : 35 No. of Claims : 45

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/05/2019

(21) Application No.201948021021 A
(43) Publication Date : 19/07/2019

(54) Title of the invention :APPARATUS FOR DECODING A MOVING PICTURE€ •

(51) International classification :H04N 7/36
(31) Priority Document No :10-2010-0127663
(32) Priority Date :14/12/2010
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2011/009562
Filing Date :13/12/2011
(87) International Publication No :WO/2012/081879
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :5554/CHENP/2013
Filed on :12/07/2013

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(72)**Name of Inventor :**
1)OH, Soo-Mi
2)YANG, Moonock

(57) Abstract :
A method for decoding inter predictive encoded motion pictures according to the present invention generates a predictive block of the current predictive unit, and recovers a residual block of the current predictive unit. To generate the predictive block of the current predictive unit, a reference picture index and a differential motion vector of the current predictive unit are obtained from a received bitstream. In addition, spatial motion vector candidates and temporal motion vector candidates are obtained to construct a motion vector list. The motion vector candidate corresponding to a motion vector index is determined as a motion vector predictor, and a motion vector of the current predictive unit is recovered to generate a predictive block of the current predictive unit. Thus, motion information of the current predictive unit effectively compressed using spatial motion vector candidates and temporal motion vector candidates is accurately decoded. In addition, the amount of calculation in a decoder and a bandwidth required for decoding motion information are advantageously reduced.

No. of Pages : 49 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/05/2019

(21) Application No.201948021025 A
(43) Publication Date : 19/07/2019

(54) Title of the invention :METHOD OF DECODING A MOVING PICTURE€ •

(51) International classification :H04N 7/36
(31) Priority Document No :10-2010-0127663
(32) Priority Date :14/12/2010
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2011/009562
Filing Date :13/12/2011
(87) International Publication No :WO/2012/081879
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :5554/CHENP/2013
Filed on :12/07/2013

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(57) Abstract :
A method for decoding inter predictive encoded motion pictures according to the present invention generates a predictive block of the current predictive unit, and recovers a residual block of the current predictive unit. To generate the predictive block of the current predictive unit, a reference picture index and a differential motion vector of the current predictive unit are obtained from a received bitstream. In addition, spatial motion vector candidates and temporal motion vector candidates are obtained to construct a motion vector list. The motion vector candidate corresponding to a motion vector index is determined as a motion vector predictor, and a motion vector of the current predictive unit is recovered to generate a predictive block of the current predictive unit. Thus, motion information of the current predictive unit effectively compressed using spatial motion vector candidates and temporal motion vector candidates is accurately decoded. In addition, the amount of calculation in a decoder and a bandwidth required for decoding motion information are advantageously reduced.

No. of Pages : 50 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/05/2019

(21) Application No.201948021027 A
(43) Publication Date : 19/07/2019

(54) Title of the invention :APPARATUS FOR DECODING A MOVING PICTURE€ •

(51) International classification :H04N 7/36
(31) Priority Document No :10-2010-0127663
(32) Priority Date :14/12/2010
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2011/009562
Filing Date :13/12/2011
(87) International Publication No :WO/2012/081879
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :5554/CHENP/2013
Filed on :12/07/2013

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2)YANG, Moonock

(57) Abstract :
A method for decoding inter predictive encoded motion pictures according to the present invention generates a predictive block of the current predictive unit, and recovers a residual block of the current predictive unit. To generate the predictive block of the current predictive unit, a reference picture index and a differential motion vector of the current predictive unit are obtained from a received bitstream. In addition, spatial motion vector candidates and temporal motion vector candidates are obtained to construct a motion vector list. The motion vector candidate corresponding to a motion vector index is determined as a motion vector predictor, and a motion vector of the current predictive unit is recovered to generate a predictive block of the current predictive unit. Thus, motion information of the current predictive unit effectively compressed using spatial motion vector candidates and temporal motion vector candidates is accurately decoded. In addition, the amount of calculation in a decoder and a bandwidth required for decoding motion information are advantageously reduced.

No. of Pages : 50 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/07/2019

(21) Application No.201947028688 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SIMULTANEOUS AUTHENTICATION SYSTEM FOR MULTI-USER COLLABORATION

(51) International classification :G06F21/31G06F21/32G06Q10/10
(31) Priority Document No :15/410,357
(32) Priority Date :19/01/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/012446
Filing Date :05/01/2018
(87) International Publication No :WO 2018/136241
(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)BHATTACHARJEE, Avronil
3)VENALAINEN, Kevin Juho
4)BAKER, Arthur

(57) Abstract :
A computing device includes a touch-sensitive user interface configured to present a unified collaborative session for two or more users and an authentication module configured to simultaneously identify and authenticate multiple users physically co-located within a collaborative environment allowing each of the multiple users to touch interact with the touch-sensitive user interface. A content module is configured to simultaneously provide one or more content portals within the unified collaborative session for each authenticated user. Each content portal is configured to enable an authenticated user to access retrieve and present user-owned content files within the unified collaborative session. In this way multiple users may simultaneously access retrieve and present their own content files on a single computing device.

No. of Pages : 18 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/07/2019

(21) Application No.201947028712 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : MILLIMETER WAVE ANTENNA AND CONNECTION ARRANGEMENTS

(51) International classification :H01P5/08H01P3/12H01P1/17
(31) Priority Document No :16206808.4
(32) Priority Date :23/12/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/083803
Filing Date :20/12/2017
(87) International Publication No :WO 2018/115115
(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)ROUSSTIA, Mohadig Widha
2)PANIS, Martinus E. J. J.

(57) Abstract :
The invention relates to an antenna (3) for transmitting and/or receiving electromagnetic waves in particular in the millimeter-wave frequency range. The invention further relates to connection arrangements (1) for the transmission and reception of electromagnetic waves. In order to provide a solution that allows the production of small antennas and connection arrangements the antenna (3) comprises two basically planar layers (45 47) which are stacked perpendicular to the layer planes (46 48) and which are at least partially separated by at least one separation layer (49) wherein the planar layers (45 47) each end at a common layer end face (40) and wherein the planar layers (45 47) each provide a waveguide (50 52) for the transmission of electromagnetic waves parallel to the layer planes (46 48) the waveguides (50 52) ending at the common layer end face (40).

No. of Pages : 19 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/07/2019

(21) Application No.201947028723 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD FOR REFINING MAGNETIC DOMAINS OF GRAIN-ORIENTED ELECTRICAL STEEL SHEET

(51) International classification :C21D8/12C21D3/04C21D3/08
(31) Priority Document No :10-2016-0177082
(32) Priority Date :22/12/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2017/015128
Filing Date :20/12/2017
(87) International Publication No :WO 2018/131819
(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)KWON, Oh-Yeoul
2)MIN, Ki-Young
3)PARK, Se-Min
4)PARK, Jong-Tae
5)HONG, Seong-Cheol

(57) Abstract :
The method for refining the magnetic domains of a grain-oriented electrical steel sheet according to one embodiment of the present invention comprises the steps of: preparing a grain-oriented electrical steel sheet; and forming grooves by emitting a quasi-continuous laser beam having a duty cycle of 98.0% to 99.9% to the surface of the grain-oriented electrical steel sheet.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/07/2019

(21) Application No.201947028752 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ANNEALING SEPARATOR COMPOSITION FOR ORIENTED ELECTRICAL STEEL SHEET, ORIENTED ELECTRICAL STEEL SHEET, AND METHOD FOR MANUFACTURING ORIENTED ELECTRICAL STEEL SHEET

(51) International classification :C21D8/12C22C38/02C22C38/04
(31) Priority Document No :10-2016-0176105
(32) Priority Date :21/12/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2017/015123
Filing Date :20/12/2017
(87) International Publication No :WO 2018/117637
(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)HAN, Min Soo
2)PARK, Jong-Tae
3)PARK, Chang Soo
4)KIM, Yunsu

(57) Abstract :
Provided are an annealing separator composition for an oriented electrical steel sheet an oriented electrical steel sheet and a method for manufacturing the oriented electrical steel sheet. The annealing separator composition for an oriented electrical steel sheet according to one embodiment of the present invention comprises: 100 parts by weight of at least one of magnesium oxide and magnesium hydroxide; 5 to 200 parts by weight of aluminum hydroxide; and 0.1 to 20 parts by weight of a boron compound.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/07/2019

(21) Application No.201947028753 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : MOVING INTERFACE CONTROLS

(51) International classification :G06F3/0481G06F3/0486
(31) Priority Document No :15/403,020
(32) Priority Date :10/01/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/068616
Filing Date :28/12/2017
(87) International Publication No :WO 2018/132265
(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)HERNANDEZ, Carolina
2)KOMMALAPATI, Akshatha
3)SCOTTA, Lucas Matthew
4)BENAT, Max Michael

(57) Abstract :
A method for moving an interface control includes displaying via a graphical user interface of a computing display an interface control having a first appearance at a first interface surface of the graphical user interface. Via a computing device operatively coupled to the computing display a user input to move the interface control to a second interface surface is received. Upon receiving the user input the interface control is displayed with a second appearance at the second interface surface. Based on displaying the interface control at the second interface surface of the graphical user interface display of the interface control at the first interface surface is discontinued. The interface control provides a first level of functionality when displayed at the first interface surface and a second level of functionality when displayed at the second interface surface.

No. of Pages : 15 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/07/2019

(21) Application No.201947028769 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : USE OF SIO2 COATINGS IN WATER-CARRYING COOLING SYSTEMS

(51) International classification :C09D5/08
(31) Priority Document No :10 2017 100 946.9
(32) Priority Date :18/01/2017
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2018/051203
Filing Date :18/01/2018
(87) International Publication No :WO 2018/134302
(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)KREISELMAIER, Thomas

(57) Abstract :
The invention relates to the use of coatings from nanoscale SiO2 particles in water-carrying cooling systems for preventing abrasive corrosion and deposition and to a method for producing such a coating.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/07/2019

(21) Application No.201947028770 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : PROCESS FOR THE SEPARATION OF FORMALDEHYDE FROM CRUDE ACRYLIC ACID

(51) International classification :C07C45/82C07C47/04C07C51/44
(31) Priority Document No :1621985.9
(32) Priority Date :22/12/2016
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2017/053843
Filing Date :20/12/2017
(87) International Publication No :WO 2018/115873
(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)GALLEN, Robert
2)TUCK, Michael William Marshall

(57) Abstract :
A process for purification of a crude product stream recovered from the production of acrylic acid by an aldolisation reaction is disclosed. The product stream comprises acrylic acid formaldehyde water non-condensable vapours and optionally heavy by-products. The process comprises: providing the crude product stream in the vapour phase to a first separation column operated at a temperature and pressure to form an intermediate overhead stream comprising water formaldehyde and methanol; and passing said intermediate overhead stream to a formaldehyde separation column operated at a temperature and pressure to enable a stream having a higher formaldehyde concentration than the formaldehyde concentration in the intermediate overhead stream to be formed and recovered from at or near the bottom of the formaldehyde separation column as a formaldehyde enriched stream.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/07/2019

(21) Application No.201947028773 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ENHANCED EMAIL SERVICE

(51) International classification :H04L29/06H04L12/58G06F21/62
(31) Priority Document No :62/444313
(32) Priority Date :09/01/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/012437
Filing Date :05/01/2018
(87) International Publication No :WO 2018/129224
(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)ZHANG, Hao
4)DICKENS, Christopher S.
5)KAPOOR, Salil
6)TRINH, Vinh

(57) Abstract :
An enhanced email service that mitigates drawbacks of conventional email services by enabling transmission of encrypted content to a recipient regardless of the recipient having a prior relationship with the sender or having credentials issued from a certificate authority. A method is provided for receiving encrypted content and generating a message includes both the encrypted content as an attachment and a link to enable decrypted access to the decrypted content. The method may include transmitting the message to an intended recipients mailbox while also storing the message in an organizational mailbox to provide for subsequent decryption of the encrypted content. The link may provide the intended recipient of the message with decrypted access to the encrypted content in various ways depending on for example whether the recipient is viewing the message through a webmail browser or through a local mail client that is compatible with the enhanced email service.

No. of Pages : 36 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/07/2019

(21) Application No.201947028784 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD FOR DOWNLINK CONTROL CHANNEL DESIGN

(51) International classification :H04W28/00
(31) Priority Document No :62/442900
(32) Priority Date :05/01/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CN2018/071462
Filing Date :04/01/2018
(87) International Publication No :WO 2018/127109
(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)GONG, Zhengwei
2)MAAREF, Amine

(57) Abstract :
Embodiments of this disclosure improve the reliability of blind decoding when beamforming is used by having a user equipment (UE) receive a single downlink control information (DCI) message with different transmission and/or reception parameters. In some embodiments a UE receives more than one set of configuration parameters where any two sets of configuration parameters out of the more than one set of configuration parameters have at least one different parameter. The UE may receive two sets of configuration parameters each having a different transmission modes but the same search space type. Additional examples are also provided.

No. of Pages : 23 No. of Claims : 55

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/07/2019

(21) Application No.201947028830 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ATTEMPERATOR AND A USE OF A SUCH

(51) International classification :F22G5/12F28C3/06
(31) Priority Document No :1651726-0
(32) Priority Date :22/12/2016
(33) Name of priority country :Sweden
(86) International Application No :PCT/SE2017/051344
Filing Date :22/12/2017
(87) International Publication No :WO 2018/117957
(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)R……D, Pontus

(57) Abstract :
The invention relates ton attemperator. It has a pipe section (3) and a liner pipe section (4) arranged within the pipe section (3) and being attached thereto. The pipe section (3) has an internal wall surface (33) and the liner pipe section (4) has an external wall surface (43). The internal wall surface (33) and external wall surface (43) form a gap (6) between them. The pipe section (3) and liner pipe section (4) each has an inlet end (31 41) for connection to a steam supply and an outlet end (32 42) for steam. The attemperator is provided with water injection means (2) arranged for supplying water into the interior of the liner pipe section (4). The inlet end (31) of the liner pipe section (4) has an outwardly extending wall portion (44) forming an outer circumferential outer zone (45) which zone (45) may contact the internal wall surface (33) of the pipe section (3). According to the invention there is provided a plurality of openings (47) arranged to 15 allow steam to enter the space formed by the gap (6) between the internal wall surface (33) and the external wall surface (43). The invention also relates to a use of the attemperator.

No. of Pages : 16 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/05/2019

(21) Application No.201947021191 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ACCESS CATEGORY HANDLING FOR WIRELESS COMMUNICATION SYSTEMS

(51) International classification :G06F21/10H04L29/06H04W12/08
(31) Priority Document No :62/454359
(32) Priority Date :03/02/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2017/058309
Filing Date :21/12/2017
(87) International Publication No :WO 2018/142203
(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)LINDHEIMER, Christofer
2)WALLENTIN, Pontus

(57) Abstract :
A method of access control performed by a user equipment (UE) is disclosed. The method comprises being triggered to perform an access request and evaluating whether one or more access category rules are satisfied by the trigger. The method further comprises determining based on the evaluation and access category to apply. The method further comprises performing a barring check applying the access category determined based on the evaluation. Fig 5.

No. of Pages : 26 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/05/2019

(21) Application No.201947021286 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : PUNCTURING AND REPETITION FOR INFORMATION ENCODING

(51) International classification :H04L1/00
(31) Priority Document No :PCT/CN2017/070985
(32) Priority Date :12/01/2017
(33) Name of priority country :China
(86) International Application No :PCT/CN2018/072319
Filing Date :12/01/2018
(87) International Publication No :WO 2018/130185
(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)SANKAR, Hari
2)SARKIS, Gabi
3)XU, Changlong
4)GOROKHOV, Alexei
5)JIANG, Jing
6)SORIAGA, Joseph, Binamira
7)HOU, Jilei

(57) Abstract :
The disclosure relates in some aspects to information encoding. Information encoding may involve puncturing bits of a codeword or repeating bits of a codeword. The disclosure relates in some aspects to selecting a puncturing or repetition pattern. In some aspects a puncture pattern for data encoding is selected based on a criterion that the output and the repetition input of an XOR are not erased. In some aspects a repetition pattern for data encoding is selected based on a criterion that repetition not be applied for the output and the repetition input of an XOR.

No. of Pages : 35 No. of Claims : 60

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/05/2019

(21) Application No.201947021287 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : DYNAMIC FROZEN POLAR CODES

(51) International classification :H03M13/00
(31) Priority Document No :PCT/CN2017/071255
(32) Priority Date :16/01/2017
(33) Name of priority country :China
(86) International Application No :PCT/CN2018/072761
Filing Date :16/01/2018
(87) International Publication No :WO 2018/130221
(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)LI, Jian
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3)WEI, Chao
4)HOU, Jilei
5)JIANG, Jing

(57) Abstract :
Certain aspects of the present disclosure generally relate to wireless communications and more particularly to methods and apparatus for dynamic frozen polar codes for example for control channels. An exemplary method may be performed at the encoder. The method generally includes encoding a stream of bits using a polar code. The encoding includes selecting a first set of channel indices for encoding information bits. The encoding includes selecting a second set of the channel indices smaller than a channel index for a first information bit for encoding fixed frozen bits. The encoding includes selecting remaining channel indices for dynamic frozen (PCF) bits having values based on one or more of the information bits. The method includes transmitting the encoded stream of bits.

No. of Pages : 37 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/07/2019

(21) Application No.201948027647 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A MIXED TIME-DOMAIN / FREQUENCY-DOMAIN CODING DEVICE FOR CODING AN INPUT SOUND SIGNAL

(51) International classification :G10L 19/12
(31) Priority Document No :61/406,379
(32) Priority Date :25/10/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2011/001182
Filing Date :24/10/2011
(87) International Publication No :201948027647
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :3236/CHENP/2013
Filed on :25/04/2013

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2)JELINEK, Milan

(57) Abstract :
Not Submitted..

No. of Pages : 47 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/05/2019

(21) Application No.201948021030 A
(43) Publication Date : 19/07/2019

(54) Title of the invention :APPARATUS FOR DECODING A MOVING PICTURE€ •

(51) International classification :H04N 7/36
(31) Priority Document No :10-2010-0127663
(32) Priority Date :14/12/2010
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2011/009562
Filing Date :13/12/2011
(87) International Publication No :WO/2012/081879
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :5554/CHENP/2013
Filed on :12/07/2013

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(72)**Name of Inventor :**
1)OH, Soo-Mi
2)YANG, Moonock

(57) Abstract :
ABSTRACTAPPARATUS FOR DECODING A MOVING PICTURE€ • A method for decoding inter predictive encoded motion pictures according to the present invention generates a predictive block of the current predictive unit, and recovers a residual block of the current predictive unit. To generate the predictive block of the current predictive unit, a reference picture index and a differential motion vector of the current predictive unit are obtained from a received bitstream. In addition, spatial motion vector candidates and temporal motion vector candidates are obtained to construct a motion vector list. The motion vector candidate corresponding to a motion vector index is determined as a motion vector predictor, and a motion vector of the current predictive unit is recovered to generate a predictive block of the current predictive unit. Thus, motion information of the current predictive unit effectively compressed using spatial motion vector candidates and temporal motion vector candidates is accurately decoded. In addition, the amount of calculation in a decoder and a bandwidth required for decoding motion information are advantageously reduced.

No. of Pages : 51 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/06/2019

(21) Application No.201948025188 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : BIFACIAL CRYSTALLINE SILICON SOLAR PANEL WITH REFLECTOR

(51) International classification :H01L 31/042
(31) Priority Document No :61/604,517
(32) Priority Date :29/02/2012
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2013/027766
Filing Date :26/02/2013
(87) International Publication No :WO/2013/130448
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :6659/CHENP/2014
Filed on :26/02/2013

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(72)**Name of Inventor :**
1)SCHEULOV, Ivan

(57) Abstract :
Bifacial crystalline solar cells and associated solar panel systems are provided. The cells include a p-type crystalline silicon layer and a barrier layer. The panels include at least two rows of cells. The cells in each row are connected to one another in series. The rows are connected in parallel. A reflector is used to reflect light towards the underside of the panel. A long axis of the reflector is arranged to be parallel to the rows of cells. [Figure 1]

No. of Pages : 21 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/07/2019

(21) Application No.201947028836 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : BUTYLPHTHALIDE-TELMISARTAN HETEROCOMPLEX PREPARATION METHOD AND APPLICATION THEREOF

(51) International classification	:C07D235/18A61K31/4184A61P9/10
(31) Priority Document No	:201710033418.6
(32) Priority Date	:18/01/2017
(33) Name of priority country	:China
(86) International Application No Filing Date	:PCT/CN2018/071308 :04/01/2018
(87) International Publication No	:WO 2018/133670
(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)HUANG, Zhangjian
2)PANG, Tao
3)WANG, Cunfang
4)ZENG, Wenbin
5)DENG, Jinxiang
6)WU, Weijie
7)HUANG, Tingyu

(57) Abstract :
The invention discloses a butylphthalide-telmisartan heterocomplex a preparation method and an application thereof. The invention specifically relates to an optically active ring-opening butylphthalide-telmisartan heterocomplex shown in formula I or a pharmaceutically acceptable salt or ester thereof a preparation method thereof a pharmaceutical composition containing the compounds and a pharmaceutical application thereof particularly application in prevention and treatment of neuroinflammation-related diseases including ischemic stroke Alzheimers disease brain trauma Parkinsons disease multiple sclerosis depression and so on.

No. of Pages : 32 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/07/2019

(21) Application No.201947028861 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : HIGH PRODUCTIVITY ALGAL MUTANTS HAVING REDUCED PHOTOSYNTHETIC ANTENNA

(51) International classification :C07H21/04C12N1/12C12N1/13
(31) Priority Document No :62/441,002
(32) Priority Date :30/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/069073
Filing Date :29/12/2017
(87) International Publication No :WO 2018/126201
(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)SPREAFICO, Roberto
5)KUZMINOV, Fedor
6)AJJAWI, Imad
7)IMAM, Saheed
8)SCHULTZ, Andrew
9)KWOK, Kathleen
10)AQUI, Moena
11)NOMINATI, Jennifer
12)VERRUTO, John
13)BAILEY, Shaun

(57) Abstract :
Disclosed herein are mutant photosynthetic microorgnaisms having an attenuated SGIl gene. The mutants have reduced chlorophyll and increased productivity with respect to wild type cells. Also disclosed are methods of using such mutants for producing biomass or bioproducts and methods of screening for such mutants.

No. of Pages : 86 No. of Claims : 71

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201844013171 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A NOVEL GREASE AND METHODS OF MAKING THE SAME

(51) International classification	:B65H 83/02
(31) Priority Document No	:15/872,518
(32) Priority Date	:16/01/2018
(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)KARVE, Anand
2)NANDURKAR, Vishal

(57) Abstract :
The present disclosure relates to high performance calcium sulfonate greases with enhanced performance benefits and methods for making the same.

No. of Pages : 31 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/07/2019

(21) Application No.201947026825 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD AND APPARATUS FOR FILLING SYRINGES WITH RETRACTABLE NEEDLE

(51) International classification :A61M5/32A61M1/20A61M5/315
(31) Priority Document No :62/430,679
(32) Priority Date :06/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2017/000263
Filing Date :06/12/2017
(87) International Publication No :WO 2018/102910
(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)REISENBURG MOLSON, Catherine

(57) Abstract :
A syringe for receiving a fluid from a container. The syringe comprises a barrel for housing the fluid and including an end wall with an opening defined therein, a plunger for slidable engagement within the barrel, and moveable between a retracted position and an extended position, and a needle. The needle has a first end anchored to the plunger and a second distal end, a conduit defined by the needle, and an inlet offset from the second distal end for fluid communication with an opening defined at the second distal end. The plunger includes a plunger seal for engagement within the barrel, the plunger seal defining a passage for receiving the needle. The syringe further comprises an engagement system having a complementary feature to cooperatively engage with a complementary feature of the container to mount the container to the syringe. Fig. 1

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/07/2019

(21) Application No.201947026851 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : PERFORMING AVERAGE POOLING IN HARDWARE

(51) International classification :G06N3/04G06N3/063
(31) Priority Document No :15/377,196
(32) Priority Date :13/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/048017
Filing Date :22/08/2017
(87) International Publication No :WO 2018/111357
(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)YOUNG, Reginald Clifford
2)GULLAND, William John

(57) Abstract :
Methods and systems for receiving a request to implement a neural network comprising an average pooling layer on a hardware circuit and in response generating instructions that when executed by the hardware circuit cause the hardware circuit to during processing of a network input by the neural network generate a layer output tensor that is equivalent to an output of the average pooling neural network layer by performing a convolution of an input tensor to the average pooling neural network layer and a kernel with a size equal to a window of the average pooling neural network layer and composed of elements that are each an identity matrix to generate a first tensor and performing operations to cause each element of the first tensor to be divided by a number of elements in the window of the average pooling neural network layer to generate an initial output tensor.

No. of Pages : 35 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/07/2019

(21) Application No.201947027570 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHODS OF MAKING SUBSTITUTED PORPHYRIN PHARMACEUTICAL COMPOUNDS AND COMPOSITIONS

(51) International classification :C07B47/00C07D487/22
(31) Priority Document No :62/436743
(32) Priority Date :20/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/067263
Filing Date :19/12/2017
(87) International Publication No :WO 2018/118891
(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)DZOLIC, Zrinka Rajic
4)SPASOJEVIC, Ivan
5)LEE, Christopher Allen

(57) Abstract :
Described herein are methods and intermediates useful for making substituted porphyrins including Mn(III) orthoN-butoxyethylpyridylporphyrin and compositions comprising the same. In some embodiments a method of the present invention provides a composition having a certain percentage or yield (e.g. at least 80% 85% 90% or 95% by weight) of a compound of the present invention.

No. of Pages : 57 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/07/2019

(21) Application No.201947027571 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : LATE BLIGHT RESISTANCE GENES AND METHODS OF USE

(51) International classification :C12N15/82C07K14/415
(31) Priority Document No :62/435451
(32) Priority Date :16/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/066691
Filing Date :15/12/2017
(87) International Publication No :WO 2018/112356
(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)WITEK, Kamil
2)KARKI, Hari S.
3)JUPE, Florian Gunter
4)JONES, Jonathan D.G.

(57) Abstract :
Compositions and methods and for enhancing the resistance of plants to a plant disease caused by a Phytophthora species are provided. The compositions comprise nucleic acid molecules encoding resistance (R) gene products and variants thereof and plants seeds and plant cells comprising such nucleic acid molecules. The methods for enhancing the resistance of a plant to a plant disease caused by a Phytophthora species comprise introducing a nucleic acid molecule encoding an R gene product into a plant cell. Additionally provided are methods for using the plants in agriculture to limit plant disease.

No. of Pages : 76 No. of Claims : 58

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019

(21) Application No.201947021973 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : PARALLEL PROCESSING OF UPLINK AND DOWNLINK TRANSMISSIONS

(51) International classification :H04W72/04H04W72/12
(31) Priority Document No :62/447,412
(32) Priority Date :17/01/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/014079
Filing Date :17/01/2018
(87) International Publication No :WO 2018/136535
(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)CHEN, Wanshi
4)GAAL, Peter
5)BANISTER, Brian Clarke
6)KHANDEKAR, Aamod

(57) Abstract :
A UE may determine a number of resources granted for uplink or downlink communication in a processing window. The resources may include uplink resources or downlink resources and the processing windows may include a predetermined number of subframes. For uplink (UL) transmissions this may include determining a number of transport block bits resource blocks or other resources scheduled in one or more first UL channel grants for a first UL channel and determining a number of such resources scheduled in a second UL grant for a second UL channel. For downlink (DL) transmissions the determining may include determining a number of resources received on a first DL channel in each subframe of a set of subframes and determining a number of resources received on a second DL channel. The determined number of UL or DL resources may be compared to a corresponding threshold which his based on the UE capabilities and processed in accordance a result of the comparison. These and additional aspects are described herein.

No. of Pages : 77 No. of Claims : 108

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/06/2019
(21) Application No.201947021974 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : TECHNIQUES FOR LOW-LOSS MULTI-BAND MULTIPLEXING

(51) International classification :H03H7/46H04B1/00
(31) Priority Document No :62/447278
(32) Priority Date :17/01/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/014001
Filing Date :17/01/2018
(87) International Publication No :WO 2018/136485
(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)JIN, Zhang
4)MISHRA, Chinmaya
5)SRIDHARA, Ravi
6)YOON, Youngchang

(57) Abstract :
Various aspects described herein relate to low-loss multi-band multiplexing schemes for a wireless communications system for example a 5th Generation (5G) New Radio (NR) system. In an aspect a multiplexer for multi-band wireless communications comprises at least one tuning component configured to transmit or receive at least one signal within a frequency band that is selected from a plurality of frequency bands. The multiplexer further comprises at least one combining component communicatively coupled with the at least one tuning component configured to transmit or receive the at least one signal within the selected frequency band. In an aspect the at least one tuning component is integrated on a chip and the at least one combining component is not integrated on the chip.

No. of Pages : 24 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/03/2019

(21) Application No.201947011040 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : IMAGE FORMING APPARATUS CAPABLE OF DETECTING DEVELOPMENT NIP DISENGAGING ERROR AND METHOD OF DETECTING DEVELOPMENT NIP DISENGAGING ERROR

(51) International classification :G03G15/08G03G15/00G03G21/16
(31) Priority Document No :10-2017-0009342
(32) Priority Date :19/01/2017
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2018/000825
Filing Date :18/01/2018
(87) International Publication No :WO 2018/135868
(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, Sung Min
3)KIM, Mi Young
4)KIM, Hyo Joong
5)LEE, Jong Woo

(57) Abstract :
An image forming apparatus capable of detecting a development nip disengaging error and a method of detecting a development nip disengaging error are provided. According to an example method a test pattern is formed on a photoconductor of an image forming apparatus the test pattern transferred to an intermediate transfer belt is detected through a sensor from a time when an operation of an adjusting member moving a developing roller is controlled such that the developing roller moves from a disengaging position where the developing roller is spaced from the photoconductor to disengage a development nip from the photoconductor to a developing position where the developing roller is in contact with the photoconductor to form the development nip and whether the development nip disengaging error occurred is determined based on the detected test pattern.

No. of Pages : 30 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/06/2019

(21) Application No.201947022397 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CONFIGURATION OF CONTROL RESOURCES

(51) International classification :H04W72/04
(31) Priority Document No :62/446,268
(32) Priority Date :13/01/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/013519
Filing Date :12/01/2018
(87) International Publication No :WO 2018/132672
(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)SUN, Jing
2)CHEN, Wanshi
3)LEE, Heechoon

(57) Abstract :
Various aspects provides an example method an apparatus and/or a computer readable medium for configuring common control resource set at an gNB which may include configuring at the gNB a first type and a second type of common control resource set and indicating to a user equipment (UE) the first type and the second type of common control resource set based at least on the configuration. Additional aspects may include receiving at the UE configuration information of a first type and a second type of common control resource set from a gNB and decoding at the UE the first type and the second type of common control resource set based at least on the configuration information.

No. of Pages : 22 No. of Claims : 62

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/07/2019

(21) Application No.201947028350 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SYSTEM PROVIDING IMAGES GUIDING SURGERY

(51) International classification :A61B8/08A61B8/00
(31) Priority Document No :62/435152
(32) Priority Date :16/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2017/083253
Filing Date :18/12/2017
(87) International Publication No :WO 2018/109227
(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)BABIC, Drazenko
3)SPLIETHOFF, Jarich, Willem
4)BYDLON, Torre, Michelle
5)TOPOREK, Grzegorz, Andrzej
6)POPOVIC, Aleksandra
7)REICH, Christian

(57) Abstract :
A system may generally comprise a tracking device an ultrasound device and a processing unit. A position and orientation of the ultrasound device may be traceable by the tracking device. The processing unit may be configured (i) to receive 3D information of a region of interest in relation to a marker with both the region of interest and the marker being located within a body (ii) to determine the position of the marker relative to the ultrasound device based on an ultrasound image of the body including the marker and (iii) to determine the position and orientation of the ultrasound device relative to the tracking device. The system may further comprise a visualization device and the processing unit may further be configured to generate a visualization of the region of interest in relation to an outer surface of the body.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/06/2019

(21) Application No.201947026021 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD AND APPARATUS FOR GENERATING METADATA FOR 3D IMAGES

(51) International classification :H04N13/00G06T15/08
(31) Priority Document No :62/444413
(32) Priority Date :10/01/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/KR2017/014999
Filing Date :19/12/2017
(87) International Publication No :WO 2018/131813
(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)YIP, Eric

(57) Abstract :
Disclosed are a method and an apparatus for generating metadata for a three dimensional (3D) image. The method includes generating metadata for an image rendered to be shaped as a sphere and transmitting the generated metadata wherein the metadata includes information representing a region of the image. A partial region of the 3D image may effectively be specified by the metadata.

No. of Pages : 18 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/10/2018

(21) Application No.201847037872 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : FIRST CALL VEHICLE DISPATCH SERVER

(51) International classification :G06Q 10/00
(31) Priority Document No :2017-155528
(32) Priority Date :10/08/2017
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2018/001386
Filing Date :18/01/2018
(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 :
ABSTRACT FIRST CALL VEHICLE DISPATCH SERVER To provide a first call vehicle server that provides an opportunity to select a desired mortuary and allows a user himself or herself to arrange a first call vehicle even when an emergency has occurred. The first call vehicle dispatch server comprises a vehicle state storage means that stores a vehicle state representing whether a first call vehicle is available or not as vehicle state information (315), a facility state storage means that stores a facility state representing whether a mortuary is vacant or not as facility state information (316), a state display means (304) that transmits information regarding an available first call vehicle and information regarding a vacant mortuary to a user terminal based on the vehicle state information (315) and the facility state information (316), and displays the information on the user terminal, and a vehicle dispatch instruction means (306) that receives vehicle selection information that selects an available first call vehicle associated with the displayed vacant mortuary from the user terminal, and instructs a dispatch of the selected first call vehicle based on the vehicle selection information.

No. of Pages : 84 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/01/2018

(21) Application No.201843001540 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : WIND POWERED ELECTRIC VEHICLE

(51) International classification :B60L 8/00
(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 :
Filed on :01/01/1900
(62) Divisional to Application Number :NA
Filing Date :NA

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3)ASHWINI KUMAR KRISHNASWAMY PRATIWADIBHAYANKARAM

(57) Abstract :
Wind powered electric vehicle is disclosed. The invention specifically uses bleeding high velocity air due to motion of vehicles by means venturi inlets V! V2 and directing it through venturi pipes (4) to drive an impeller/generator combination (1). to generate either variable AC power or DC power which is processed to generate regulated power. The power so generated being used to charge batteries which in turn feed energy to drive set of motors M1,M2 and optionally an auxiliary stand by motor (3). The number of venrturi inlets may be increased as per the size of vehicle which may have more than one pair of rear motors M2.

No. of Pages : 12 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/06/2019

(21) Application No.201947024992 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : CLOCK DATA RECOVERY WITH NON-UNIFORM CLOCK TRACKING

(51) International classification :H04L7/00H03L7/081H04L7/033
(31) Priority Document No :15/422050
(32) Priority Date :01/02/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/013636
Filing Date :12/01/2018
(87) International Publication No :WO 2018/144207
(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)LI, Miao
4)SUN, Li
5)SONG, Deqiang
6)CHANG, Chia Heng

(57) Abstract :
Systems and methods for adjusting a phase step size of a clock data recover (CDR) circuit are described according to aspects of the present disclosure. In certain aspects a method for adjusting a phase step size of a CDR circuit includes sensing a frequency offset of the CDR circuit and adjusting the phase step size of the CDR circuit based on the sensed frequency offset. The frequency offset may be sensed by sensing a signal level on an integration path of a loop filter of the CDR circuit. The phase step size of the CDR circuit may be adjusted by switching the CDR circuit between a first phase step size and a second phase step size using a modulator (e.g. a sigma-delta modulator).

No. of Pages : 16 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/05/2019

(21) Application No.201947021426 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SERVICE PROCESSING METHOD AND APPARATUS

(51) International classification :H04L29/06H04L29/08
(31) Priority Document No :201611195605.6
(32) Priority Date :21/12/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/116509
Filing Date :15/12/2017
(87) International Publication No :WO 2018/113601
(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)NI, Fei
2)HU, Zongwang

(57) Abstract :
Disclosed are a service processing method and apparatus. The method comprises: a second server receives a first service result sent by a first server wherein the first service result is generated after the first server processes a first service request sent by a client; determine the type corresponding to the first service result; generate a second service result matching the type according to the type and the first service result; and feed the generated second service result back to the client after the second server receives the second service request sent by the client. According to the method the second server can generate a corresponding second service request according to the first service result before receiving a second service request of the client; and once the second service request is received the second server can instantly return the second service result; therefore the waiting time of the client can be effectively saved; and furthermore the timeliness for processing a service request is also increased.

No. of Pages : 17 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/07/2019

(21) Application No.201947028071 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : FREEFORM HEAD MOUNTED DISPLAY

(51) International classification :G02B27/01G02B17/08
(31) Priority Document No :15/437694
(32) Priority Date :21/02/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/058489
Filing Date :26/10/2017
(87) International Publication No :WO 2018/156213
(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)CAKMAKCI, Ozan

(57) Abstract :
An optical apparatus for a near-eye display (100) includes a microdisplay (101 201) to emit image light and one or more field lenses (103 105 203 205) positioned to receive the image light from the microdisplay (101 201). The one or more field lenses (103 105 203 205) have a combined optical power to form a curved intermediate image (207). A freeform combiner (209) having an eyeward side and an external side is positioned to receive the image light from the one or more field lenses (103 105 203 205) and reflect the image light. The curved intermediate image (207) is formed between the freeform combiner (209) and the one or more field lenses (103 105 203 205).

No. of Pages : 15 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/07/2019

(21) Application No.201947028095 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A WIND TURBINE BLADE COMPRISING A TRAILING EDGE NOISE REDUCING DEVICE

(51) International classification :F03D7/02F03D1/06
(31) Priority Document No :17151172.8
(32) Priority Date :12/01/2017
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2018/050755
Filing Date :12/01/2018
(87) International Publication No :WO 2018/130651
(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)ARCE, Carlos
2)NIELSEN, Bjarke
3)B†K, Peter

(57) Abstract :
This invention relates to a noise reducing device a wind turbine blade comprises such a noise reducing device a method of retrofitted a noise reducing device and a method of manufacturing such a noise reducing device. The noise reducing device comprises first noise reducing elements projecting from a base part having a third surface towards a second end. Second noise reducing elements are attached to the third surface and projects along the first noise reducing elements towards the second end. The first noise reducing elements are preferably serrations while the second noise reducing elements are bristles. The bristles projects at least into the gaps formed between adjacent serrations. Fig.3

No. of Pages : 26 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/07/2019

(21) Application No.201947028102 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : X STITCHING METHOD FOR MOUNTING UPPERS BY MEANS OF THE STRING-LASTING SYSTEM

(51) International classification	:A43D119/00A43D9/00A43D21/00
(31) Priority Document No	:BR 10 2017 000611 5
(32) Priority Date	:11/01/2017
(33) Name of priority country	:Brazil
(86) International Application No Filing Date	:PCT/BR2017/050057 :15/03/2017
(87) International Publication No	:WO 2018/129601
(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)BAPTISTA DE SOUZA, Silvano

(57) Abstract :
The present patent application relates to an X stitching method designed in particular for the mounting of uppers by means of the string-lasting system which pertains especially to the footwear sector. The invention includes application to an upper (1) for integral assembly of footwear using string lasting (2) as element responsible for closing the edges of this upper (1) against the last (3); with overlock-type stitching used here as an exemplary embodiment of at least one X (X) in an upper (1) for integral assembly of footwear using string lasting (12) as element responsible for closing the edges of this upper against a last (F). The X (X) stitching method makes it possible to assemble all models of footwear and all heights of known heels; after assembly the sole may be poured or injected directly.

No. of Pages : 29 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/06/2019

(21) Application No.201947022420 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ASSOCIATION BETWEEN SYNCHRONIZATION SIGNAL BEAMS AND REFERENCE SIGNAL BEAMS

(51) International classification :H04B7/06H04B7/08H04L5/00
(31) Priority Document No :62/447380
(32) Priority Date :17/01/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/013831
Filing Date :16/01/2018
(87) International Publication No :WO 2018/136405
(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)SAMPATH, Ashwin
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8)ISLAM, Muhammad Nazmul

(57) Abstract :
Methods systems and devices for wireless communication are described. Beams used for synchronization signals may be associated with beams used for reference signals. For example a base station may identify a first set of millimeter wave (mmW) communication beams to transmit a synchronization signal. The base station may transmit the synchronization signal and identify a second set of mmW communication beams to transmit a reference signal where the second set of mmW communication beams may be associated with the first set of beams. For instance the first set and second set of mmW communication beams may be the same or similar. The base station may then transmit the reference signal on the second set of mmW communication beams. A user equipment may in turn identify the first and second sets of beams as being associated and receive the reference signal on the second set of mmW communication beams.

No. of Pages : 49 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/06/2019

(21) Application No.201947022622 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : RESOURCE-BASED AND CODE RATE BASED CODE BLOCK SEGMENTATION

(51) International classification :H04L1/00H03M13/05
(31) Priority Document No :62/448,377
(32) Priority Date :19/01/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/014145
Filing Date :18/01/2018
(87) International Publication No :WO 2018/136588
(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)SORIAGA, Joseph Binamira
4)RICHARDSON, Thomas Joseph
5)LONCKE, Vincent

(57) Abstract :
Certain aspects of the present disclosure relate to methods and apparatus for optimizing delivery of a transport block (TB) using code rate and over the air resources dependent segmentation into code blocks for New Radio (NR). In order to improve reliability either repetition or reduction of the code rate can be performed. Reduction of the code rate displays a gain with respect to repetition but increases the decoding complexity and therefore the transmission latency. Therefore for low rate it is suggested to limit the maximum code block size and correspondingly the maximum amount of information to encode in order to avoid that the decoder processes long code blocks. Based on the classical 3GPP LTE segmentation method a method is built which performs segmentation of transport blocks into code blocks based on the number of resources available for transmission (also called over the air OVA resources based on which the transport block size is computed) and the code rate selected for transmission.

No. of Pages : 28 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/04/2019

(21) Application No.201947013217 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SOFTWARE-DEFINED DEVICE INTERFACE SYSTEM AND METHOD

(51) International classification :G06F1/08G06F3/038G06F5/16
(31) Priority Document No :2016/06120
(32) Priority Date :05/09/2016
(33) Name of priority country :South Africa
(86) International Application No :PCT/IB2017/055324
Filing Date :05/09/2017
(87) International Publication No :WO 2018/042402
(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)DU TOIT, Rudi Deodat

(57) Abstract :
The invention relates to a software defined device interface system 10 a software defined device interface gateway and a method of defining an interface for a device which uses a specific communication protocol for communication purposes. The system 10 includes a microprocessor/processing unit 12.1 12.2 with a plurality of communication pins and software/firmware. The software/firmware is configured based on a specific communication protocol which is used by a particular device 30.1-30.4 for communication purposes to in runtime assign/select one or more of the communication pins to form a virtual port to which the particular device 30.1-30.4 can be connected upon receiving a configuration instruction from a user to implement the specific communication protocol. The software/firmware is further configured to implement the specific communication protocol through the virtual port to thereby allow for communication between the microprocessor/processing unit 12.1 12.2 and the device 30.1-30.4 when the device 30.1-30.4 is connected to the pin(s) of the virtual port.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/06/2019

(21) Application No.201947023470 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ELEVATOR RENOVATION METHOD AND ELEVATOR CONTROL PANEL

(51) International classification :B66B7/00B66B3/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2016/087666
Filing Date :16/12/2016
(87) International Publication No :WO 2018/109946
(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)TANAKA, Mugihei

(57) Abstract :
The present invention obtains an elevator renovation method with which it is possible to shorten a continuous idle period of an elevator during an elevator renovation construction period. This method has a process for dividing renovation construction content into a series of divided processing steps in units at which an elevator is always capable of operating normally after completion of each of the divided processing steps and a process for executing renovation construction in accordance with the series of divided processing steps. One divided processing step among the series of divided processing steps includes: a process for replacing an old control panel of an existing elevator with a new control panel; a process for connecting an old cable of an old car device which is connected to the old control panel of the existing elevator to a communication conversion unit provided to the new control panel; and a process whereby the new control panel converts from a new serial communication scheme to an old serial communication scheme via the communication conversion unit and the old cable and controls the old car device using the old serial communication scheme.

No. of Pages : 25 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/06/2019

(21) Application No.201947024682 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : PRESSURE BOOSTER

(51) International classification :F15B3/00
(31) Priority Document No :2016-226988
(32) Priority Date :22/11/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/029506
Filing Date :17/08/2017
(87) International Publication No :WO 2018/096739
(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)SMC CORPORATION
Address of Applicant :14-1, Sotokanda 4-chome, Chiyoda-ku, Tokyo 1010021 Japan
(72)**Name of Inventor :**
1)ASAHARA Hiroyuki
2)MONDEN Kengo
3)SHINJO Naoki
4)NAGURA Seiichi
5)SOMEYA Kazutaka

(57) Abstract :
When a fluid is supplied to a first pressure-boosting chamber (32a) and/or a second pressure-boosting chamber (32b) of a pressure booster (10 10A 10B) either a first electromagnetic valve unit (22) supplies a fluid discharged from a first pressurizing chamber (34a) to a second pressurizing chamber (34b) or a second electromagnetic valve unit (26) supplies a fluid discharged from a third pressurizing chamber (36a) to a fourth pressurizing chamber (36b).

No. of Pages : 74 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/07/2019

(21) Application No.201947027299 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : METHOD OF MONITORING AN EATING UTENSIL AND SMART EATING UTENSIL

(51) International classification :A47G21/02
(31) Priority Document No :16203071.2
(32) Priority Date :09/12/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/081872
Filing Date :07/12/2017
(87) International Publication No :WO 2018/104470
(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)KONINKLIJKE PHILIPS N.V.
Address of Applicant :High Tech Campus 5, 5656 AE Eindhoven Netherlands
(72)**Name of Inventor :**
1)DUBEY, Ajitkumar, Adyaprasad
2)MANCHANDA, Kapil
3)SISODIA, Rajendra, Singh

(57) Abstract :
An eating utensil (100) is provided which comprises a handle (120) and a food area (110). The eating utensil (100) comprises an accelerometer sensor a gyroscope sensor (150). With the accelerometer sensor the gyroscope sensor (150) the movement of the eating utensil (100) as well as its orientation is detected. The orientation as well as a movement of the eating utensil (100) can be compared with a predetermined ideal traversal path and orientation of an eating utensil (100) and the user may receive corresponding feedback if the detected path or orientation of the eating utensil (100) differs from the ideal utensil traversal path or orientation.

No. of Pages : 8 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/07/2019

(21) Application No.201947027300 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ACTUATOR DEVICE AND METHOD

(51) International classification :H01L41/09H01L41/18H01L41/193
(31) Priority Document No :16203287.4
(32) Priority Date :09/12/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/081622
Filing Date :06/12/2017
(87) International Publication No :WO 2018/104361
(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)JOHNSON, Mark Thomas
2)PELSSERS, Eduard Gerard Marie
3)VAN DEN ENDE, Daan Anton
4)HENDRIKS, Cornelis Petrus

(57) Abstract :
The invention relates generally to electroactive material actuators (and combined sensor-actuators) having embedded magnetic particles for facilitating enhanced actuation and/or sensing effects. Fig 3.

No. of Pages : 55 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/07/2019

(21) Application No.201947027326 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SIGNATURE VERIFICATION OF FIELD-PROGRAMMABLE GATE ARRAY PROGRAMS

(51) International classification :G06F21/51G06F21/44G06F21/12
(31) Priority Document No :15/406122
(32) Priority Date :13/01/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/068618
Filing Date :28/12/2017
(87) International Publication No :WO 2018/132266
(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)HOPPERT, Hadden Mark
2)HUYBREGTS, Christopher L.

(57) Abstract :
Techniques for signature verification of field-programmable gate array (FPGA) programs are described herein. In one or more implementations an FPGA virtualization manager of a host device receives a request from a virtual machine for an FPGA program to program FPGAs of the host. The FPGA program is configured to program the FPGAs to provide functionality of a hardware-implementation of a respective program (e.g. a machine-learning algorithm) or of a respective device (e.g. a graphics processing unit). Before allowing the FPGA program to program the FPGAs however the FPGA virtualization manager determines whether the FPGA program is trusted to do so. To do so the FPGA virtualization manager verifies a digital signature associated with the FPGA program. When the signature is verified the FPGA program is determined to be trusted. Based on such a determination the FPGA virtualization manager loads the FPGA program to program the FPGAs to provide the functionality.

No. of Pages : 27 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/07/2019

(21) Application No.201947027327 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : EFFICIENT BREAKPOINT DETECTION VIA CACHES

(51) International classification :G06F11/36G06F12/0802
(31) Priority Document No :15/405849
(32) Priority Date :13/01/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/068842
Filing Date :29/12/2017
(87) International Publication No :WO 2018/132269
(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)MICROSOFT TECHNOLOGY LICENSING, LLC
Address of Applicant :One Microsoft Way Redmond, Washington 98052-6399 U.S.A.
(72)**Name of Inventor :**
1)MOLA, Jordi

(57) Abstract :
Efficient breakpoint detections via caches comprises monitoring a memory location by detecting cache misses on a cache. A memory address that is to be monitored is stored in a monitoring list and any cache line overlapping with the memory address is evicted if it exists in a cache. When the occurrence of a cache miss based on a memory access operation is detected a determination is made as to whether a portion of a cache line imported into the cache based on the cache miss overlaps with the memory address stored in the monitoring list. When there is an overlap one or more monitoring operations are processed on the memory address and the imported cache line is evicted from the cache.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/06/2019

(21) Application No.201947023141 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SIGNALING FOR LINK AGGREGATION SETUP AND RECONFIGURATION

(51) International classification :H04L5/00H04J1/00H04J3/00
(31) Priority Document No :62/448,326
(32) Priority Date :19/01/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/014055
Filing Date :17/01/2018
(87) International Publication No :WO 2018/136516
(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)ZHOU, Yan
2)PATIL, Abhishek, Pramod
3)ASTERJADHI, Alfred
4)VENKATACHALAM JAYARAMAN, Venkata, Ramanan
5)CHERIAN, George
6)MERLIN, Simone

(57) Abstract :
Methods systems and devices for wireless communication are described. A wireless device may identify an aggregation capability to communicate in parallel over a plurality of wireless links. The wireless device may in some cases broadcast this aggregation capability (e.g. periodically). Additionally or alternatively the wireless device may transmit the aggregation capability in response to a request received from another wireless device. In some cases the first wireless device may transmit a request to a second wireless device inquiring about aggregation capabilities of the second wireless device. The second wireless device may respond with its aggregation capabilities (e.g. or may broadcast its aggregation capabilities independently of receiving the response). The wireless devices may establish a multi-link session based at least in part on the indicated aggregation capabilities.

No. of Pages : 48 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/06/2019

(21) Application No.201947023197 A
(43) Publication Date : 19/07/2019

(54) Title of the invention :COORDINATING REFERENCE SIGNALS IN WIRELESS COMMUNICATION€ •

(51) International classification :H04L 5/00 (2006.01)
(31) Priority Document No :62/447,315
(32) Priority Date :17/01/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/013971
Filing Date :17/01/2018
(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)AKKARAKARAN, Sony
2)LUO, Tao
3)WANG, Renqiu
4)XU, Hao
5)ZENG, Wei
6)GAAL, Peter
7)HUANG, Yi
8)PARK, Seyong

(57) Abstract :
€COORDINATING REFERENCE SIGNALS IN WIRELESS COMMUNICATION€ • Various reference signal (RS) designs and arrangements for interference coordination and management in wireless communication are disclosed. Reference signals may be included in uplink (UL) and downlink (DL) transmissions for facilitating data demodulation and other purposes, and the locations of the reference signals within any given slot may depend on various factors. In some aspects of this disclosure, reference signals included in UL and/or DL transmissions of neighboring cells may be aligned in time and/or frequency to improve interference control and coordination between devices operating in different cells.

No. of Pages : 49 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/06/2019

(21) Application No.201947025515 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : A WIND TURBINE BLADE COMPRISING A TRAILING EDGE NOISE REDUCING DEVICE

(51) International classification :F03D7/02F03D1/06
(31) Priority Document No :17151173.6
(32) Priority Date :12/01/2017
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2018/050736
Filing Date :12/01/2018
(87) International Publication No :WO 2018/130641
(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)LM WIND POWER INTERNATIONAL TECHNOLOGY II APS
Address of Applicant :Jupitervej 6 6000 Kolding Denmark
2)LM WIND POWER US TECHNOLOGY APS
(72)**Name of Inventor :**
1)ARCE, Carlos
2)MADSEN, Jesper

(57) Abstract :
This invention relates to a noise reducing device and a wind turbine blade comprises such a noise reducing device. The noise reducing device comprises a number of noise reducing elements projecting from a base part. A plurality of airflow modifying elements are attached to or integrated into the noise reducing elements. The airflow modifying elements extend from a local first end to a local second end along at least one of the first and second side surfaces. The airflow modifying elements has a height of no more than two-thirds of the boundary layer thickness and spacing of no more than one-thirds of the boundary layer thickness. The noise reducing elements are preferably serrations. The airflow modifying elements are preferably vanes projecting perpendicularly from the side surface of the noise reducing elements.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/01/2018
(21) Application No.201741025535 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : SURGICAL SIMULATOR ENGINE AND METHOD THEREOF

(51) International classification	:G09B 23/00
(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)Balachander Agoramurthy
2)Geetha Sanjay
3)Vijaygopal Rengarajan

(57) Abstract :
A SURGICAL SIMULATOR SYSTEM AND METHOD THEREOF Disclosed is a surgical simulator system 100 and a method 2000. The system 100 comprises input devices 101, a display 102, haptic devices 111 and a controller 110. The controller 110 is configured to execute programmed instructions stored in the memory. The instructions comprise calibrating, the inputs and further handling, one or more errors resulting from input devices 101. The instructions comprise synchronizing, simultaneous inputs from multiple haptic devices. The instructions comprise preparing, one or more scenes and sliding images in order to enable movement of the haptic devices in the created virtual reality scene. The instructions comprise positioning, or moving, one or more input devices in the created virtual reality scene in order to ensure the movement of said input objects in a recommended region. The instructions comprise evaluating, a user€™s performance and displaying, said performance. [To be published with Figure 1]

No. of Pages : 42 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/06/2019

(21) Application No.201947024100 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : MULTI-LINK NEW RADIO PHYSICAL UPLINK CONTROL CHANNEL BEAM SELECTION AND REPORTING BASED AT LEAST IN PART ON PHYSICAL DOWNLINK CONTROL CHANNEL OR PHYSICAL DOWNLINK SHARED CHANNEL REFERENCE SIGNALS

(51) International classification :H04B7/0417H04B7/08H04B7/06
(31) Priority Document No :62/453863
(32) Priority Date :02/02/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/069042
Filing Date :29/12/2017
(87) International Publication No :WO 2018/144168
(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)JOHN WILSON, Makesh Pravin
2)LUO, Tao
3)AKKARAKARAN, Sony
4)NAGARAJA, Sumeeth
5)WANG, Xiao feng
6)CHAKRABORTY, Kaushik
7)NAM, Wooseok
8)CHEN, Shengbo

(57) Abstract :
A method an apparatus and a computer program product for wireless communication are provided. The apparatus may receive a downlink transmission from at least one beam of a set of beams. The set of beams may be associated with a multi-beam communication between the apparatus and a base station. The apparatus may select a beam of the set of beams to report beam related information associated with the at least one beam of the set of beams. The apparatus may report an indication that the beam is a selected beam.

No. of Pages : 27 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/06/2019

(21) Application No.201947024137 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : EXON SKIPPING OLIGOMER CONJUGATES FOR MUSCULAR DYSTROPHY

(51) International classification :A61K47/64A61P21/00
(31) Priority Document No :62/436,182
(32) Priority Date :19/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/066222
Filing Date :13/12/2017
(87) International Publication No :WO 2018/118599
(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)PASSINI, Marco A.
2)HANSON, Gunnar J.

(57) Abstract :
Antisense oligomer conjugates complementary to a selected target site in the human dystrophin gene to induce exon 51 skipping are described.

No. of Pages : 127 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/06/2019

(21) Application No.201947024229 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : ANTIVIRAL BENZYL-AMINE PHOSPHODIAMIDE COMPOUNDS

(51) International classification :A61K31/685A61P31/18A61P31/20
(31) Priority Document No :62/437,745
(32) Priority Date :22/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/067159
Filing Date :19/12/2017
(87) International Publication No :WO 2018/118826
(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 LERA RUIZ, Manuel
2)HARTINGH, Timothy, J.
3)RAHEEM, Izzat
4)SCHREIER, John
5)PAPARIN, Jean-Laurent

(57) Abstract :
Compounds of Formula I: and their pharmaceutically acceptable salts are useful for the inhibition of HIV reverse transcriptase. The compounds may also be useful for the prophylaxis or treatment of infection by HIV and in the prophylaxis delay in the onset or progression and treatment of AIDS. The compounds and their salts can be employed as ingredients in pharmaceutical compositions optionally in combination with other antiviral agents immunomodulators antibiotics or vaccines.

No. of Pages : 60 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/06/2019

(21) Application No.201947024328 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : GRAIN PEELING METHOD HAVING EXCELLENT MILLING YIELD AND PEELING DEVICE THEREOF

(51) International classification :B07C5/342B02B7/02B02B1/00
(31) Priority Document No :10-2016-0176469
(32) Priority Date :22/12/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2017/010275
Filing Date :20/09/2017
(87) International Publication No :WO 2018/117375
(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)CHOI, Bo Gyu
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(72)**Name of Inventor :**
1)CHOI, Bo Gyu

(57) Abstract :
The present invention relates to a grain peeling method and a peeling device thereof which are capable of improving brown rice processing capability and husking performance by using a brown rice sorting means and returning only grains which have not been husked (unhusked grains) to a husker such that the unhusked grains are completely husked and of greatly improving milling yield and grain quality by reducing damage to the grains wherein the grain peeling method of the present invention can comprise the steps of: a) husking rice husks by using a husker; b) removing the husked peels by means of a husk blower; c) separately sorting rice and brown rice by means of a brown rice separator; d) performing first color sorting on a rice and brown rice mixed product by means of a color sorter; e) performing second color sorting by returning a first color-sorted defective product to the color sorter; f) repeatedly sorting the same by returning the second color-sorted defective product to the husker and returning brown rice of fair quality to the color sorter; and g) transferring the first and second color-sorted brown rice of fair quality to a subsequent line.

No. of Pages : 31 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/06/2019

(21) Application No.201947024366 A
(43) Publication Date : 19/07/2019

(54) Title of the invention : INTERMEDIATE TRANSFER MEMBERS

(51) International classification :G03G15/16G03G15/10
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2017/058543
Filing Date :10/04/2017
(87) International Publication No :WO 2018/188721
(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)LIBSTER, Dima
2)INOTAEV, Sergey
3)VOLOSHIN FIROUZ, Dina
4)KAHATABI, Rafael
5)SHUNARY, Dafna

(57) Abstract :
The present disclosure relates to an intermediate transfer member for use in electrophotographic printing. The intermediate transfer member comprises a release layer comprising fluoropolymer particles dispersed in a silicone polymer matrix.

No. of Pages : 24 No. of Claims : 15

CONTINUED TO PART- 3

INTELLECTUAL
PROPERTY INDIA
PATENTS DESIGNS TRADEMARKS
GEOGRAPHICAL INDICATIONS

GOVERNMENT OF INDIA
Ministry of Commerce and Industry
THE PATENT OFFICE
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No. 308021-D/F-16 **Dated:-20/02/2020**

To,
Marwadi University
Rajkot-Morbi Highway Road,
Gauridad, Rajkot, Gujarat 360003

Sub: Certified Copy of Registered Design No. 308021

Sir/Madam,

With reference to your request made on Form-16 on 19/02/2020 regarding the above matter I am forwarding herewith a certified copy as desired by you.

Enclo:-As above

(C. CHOWDHURY)
Asstt. Controller of Patents & Designs

It is hereby certified that the annexed hereto is a true copy of the certificate of registration of Design together with its representation sheets registered under the Designs Act, 2000 in respect of Registered Design No. **308021** dated 25th July, 2018 under Class 13-02 titled as "SOLAR ABSORBER TUBE" in the name of 1. MARWADI UNIVERSITY, RAJKOT-MORBI HIGHWAY ROAD, GAURIDAD, RAJKOT, GUJARAT 360003 2. MOTWANI KARAN HIRALAL, RAJKOT-MORBI HIGHWAY ROAD, GAURIDAD, RAJKOT, GUJARAT 360003 3. CHOTAI NIKHIL JAGJIVAN, RAJKOT-MORBI HIGHWAY ROAD, GAURIDAD, RAJKOT, GUJARAT 360003 4. DR. RACHCHH NIKUNJ VINODRAI, RAJKOT-MORBI HIGHWAY ROAD, GAURIDAD, RAJKOT, GUJARAT 360003, ET AL. The registered design is in force up to 25/07/2028.

Witness my hand this the 20th day of February, 2020

THE PATENT OFFICE KOLKATA - 700 091 सत्यमेव जयते

(CHIRANJIB CHOWDHURY)
Asstt. Controller of Patents & Designs

THE PATENT OFFICE,
GOVERNMENT OF INDIA,
BOUDDHIK SAMPADA BHAWAN,
CP-2, SECTOR V, SALT LAKE,
KOLKATA – 700 091

सत्यमेव जयते

DUPLICATE

No. 72650

भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

CERTIFICATE OF REGISTRATION OF DESIGN

Design No.	**308021**
Date	**25/07/2018**
Reciprocity Date*	
Country	

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 13-02 in respect of the application of such design to SOLAR ABSORBER TUBE in the name of 1.MARWADI UNIVERSITY, RAJKOT-MORBI HIGHWAY ROAD, GAURIDAD, RAJKOT, GUJARAT 360003 2. MOTWANI KARAN HIRALAL, RAJKOT-MORBI HIGHWAY ROAD, GAURIDAD, RAJKOT, GUJARAT 360003 3. CHOTAI NIKHIL JAGJIVAN, RAJKOT-MORBI HIGHWAY ROAD, GAURIDAD, RAJKOT, GUJARAT 360003 4. DR. RACHCHH NIKUNJ VINODRAI, RAJKOT-MORBI HIGHWAY ROAD, GAURIDAD, RAJKOT, GUJARAT 360003 , ET AL.

in pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

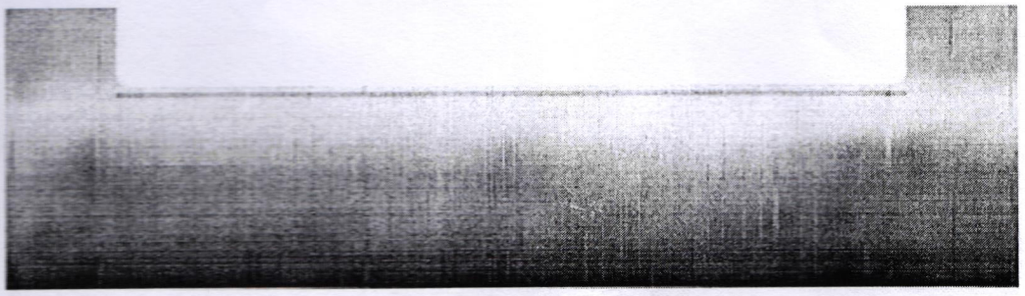
Controller General of Patents, Designs and Trade Marks

***The reciprocity date (if any) which has been allowed and the name of the country.**
Copyright in the design will subsist for ten years from the date of Registration, and may underthe terms of the Act and Rules, be extended for a further period of five years.
This Certificate is not for use in legal proceedings or for obtaining registration abroad

MOTWANI KARAN HIRALAL,
RAJKOT-MORBI HIGHWAY ROAD, GAURIDAD,
RAJKOT, GUJARAT 360003

Date of Issue 04/03/2019 14:10:11

Marwadi University
Motwani Karan Hiralal
Chotai Nikhil Jagjivan
Dr. Rachchh Nikunj Vinodrai
Dr Patel Jatinkumar Ravjibhai



Front View

~~We Claim that~~:

The novelty resides in the shape and configuration of the 'SOLAR ABSORBER TUBE' as illustrated.

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Dated : 18 October 2018

For, (Applicant)
MARWADI UNIVERSITY

Naresh Dilawarsinh Jadeja | Registrar

Motwani Karan Hiralal

Chotai Nikhil Jagjivan

Dr. Rachchh Nikunj Vinodrai

Dr. Patel Jatinkumar Ravjibhai

308021

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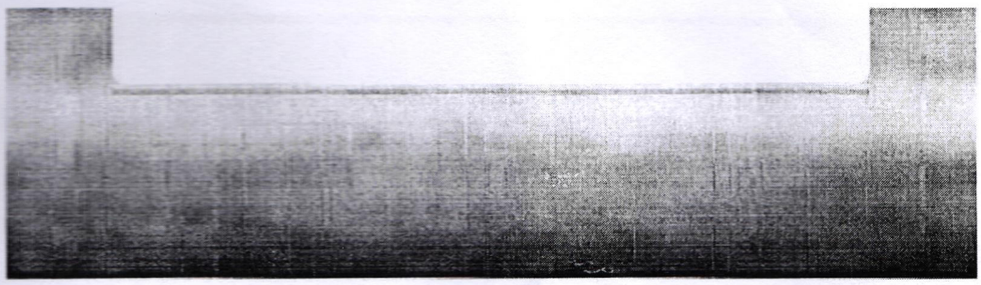

Rear View

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Top View

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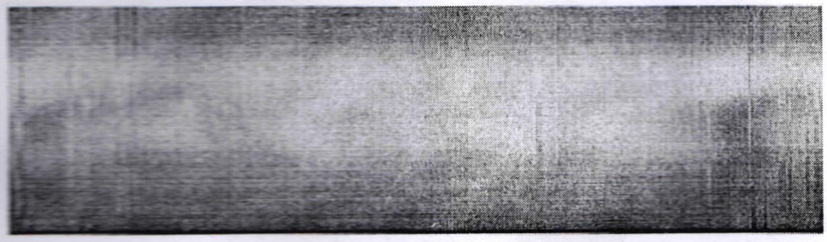

Bottom View

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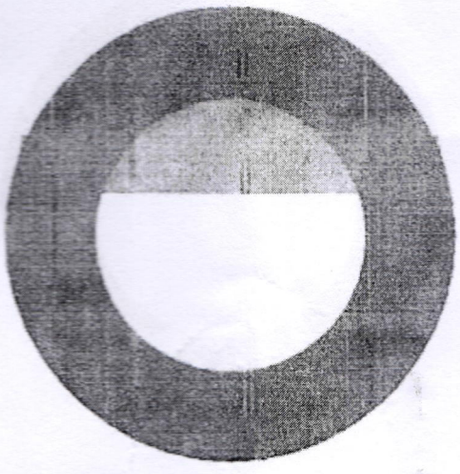

Left Side View

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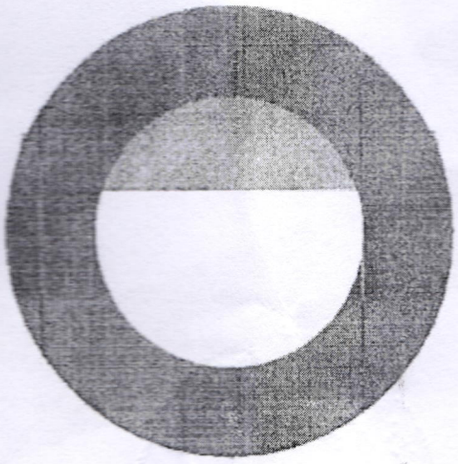

Right Side View

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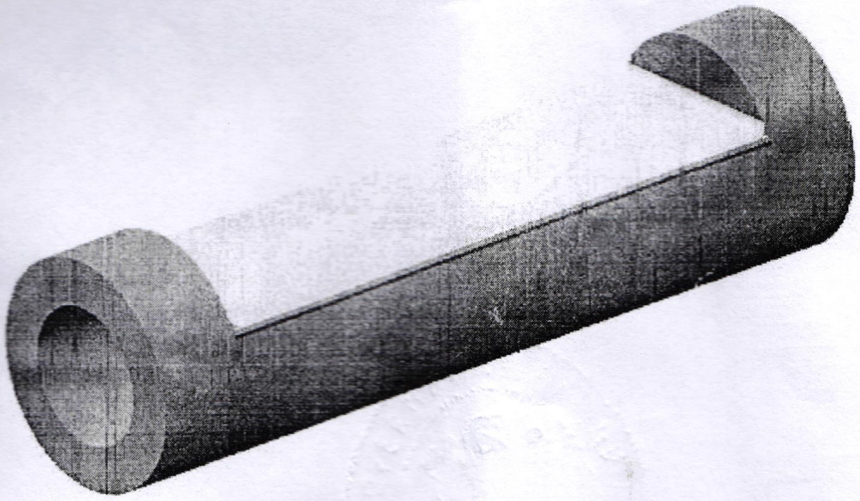

Perspective View

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