# पेटेंट कार्यालय शासकीय जर्नल

# OFFICIAL JOURNAL OF THE PATENT OFFICE

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## **पेटेंट कार्यालय का एक प्रकाशन** PUBLICATION OF THE PATENT OFFICE

### **INTRODUCTION**

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

#### ( Rajiv Aggarwal ) CONTROLLER GENERAL OF PATENTS DESIGNS & TRADE MARKS

16<sup>th</sup> OCTOBER 2015

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#### THE PATENT OFFICE KOLKATA 16/10/2015

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<ul> <li>3 The Patent Office Government of India Boudhik Sampada Bhavan Plot No. 32. Sector-14 Dwarka New Delhi - 110075 Phone: (91)(11) 2808 1921 - 25 Fax: (91)(11) 2808 1920 &amp; 2808 1940 E.mail: <u>delhi-patent@nic.in</u></li> <li>☆ The States of Haryana Himachal Pradesh Jammu and Kashmir Punjab Rajasthan Uttar Pradesh Uttaranchal Delhi and the Union Territory of Chandigarh.</li> </ul>	✤ Rest of India		
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All applications notices statements or other documents or any fees required by the Patents Act 1970 and The Patents (Amendment) Act 2005 or by the Patents (Amendment) Rules 2006 will be received only at the appropriate offices of the Patent Office.

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

### पेटेंट कार्यालय

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	ई. मेल: delhi-patent@nic.in		
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पेटेंट अधिनियम 1970 तथा पेटेंट (संशोधन) अधिनियम 2005 अथवा पेटेंट (संशोधन) नियम 2006 द्वारा वांछित सभी आवेदन सूचनाए विवरण या अन्य दस्तावेज़ या कोई शुल्क पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में स्वीकृत होंगे। शुल्क: शुल्क या तो नगद रूप में या Controller of Patents के नाम में देय बैंक ड्राफ्ट या चेक के द्वारा भेजी जा सकती है जो उसी स्थान के किसी अनुसूचित बैंक में प्रदत्त हो जहाँ उपयुक्त कार्यालय स्थित है।

### **SPECIAL NOTICE**

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

Notice is hereby given that any person at any time before the grant of Patent may give representation by way of opposition to the Controller of Patents at appropriate office on the ground and in a manner specified under section 25(1) of the Patents (Amendment) Act 2005 read with Rule 55 of the Patents (Amendment) Rules 2006. Notice is also given that if any interested person requests for copies of the complete specification drawing and abstract of any application already published the photocopy of the same can be supplied by the Patent Office as per the jurisdiction on payment of prescribed fees of Rs.8/- per page. If any further details are required to be obtained the same can be provided by the respective Patent Offices on request.

### ( Rajiv Aggarwal ) CONTROLLER GENERAL OF PATENTS DESIGNS & TRADE MARKS

### **SPECIAL NOTICE**

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

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

### **SPECIAL NOTICE**

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

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#### (12) PATENT APPLICATION PUBLICATION

(21) Application No.2721/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015

(43) Publication Date : 16/10/2015

(54) Title of the invention : MIRROR TO MIRROR TECHNOLOGIES AND MIRROR TO MIRROR TECHNOLOGIES BASED M2M COMPONENTS

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:NA :NA :NA :NA :NA : NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)JASPAL SINGH</li> <li>Address of Applicant :1718/4 GOVIND PURI EXTN. KALKAJI</li> <li>NEW DELHI-110019 Delhi India</li> <li>(72)Name of Inventor :</li> <li>1)JASPAL SINGH</li> </ul>
Filing Date (62) Divisional to Application Number	:NA :NA :NA	

(57) Abstract :

This beautiful component is very easy and comfort in operation and give us 100% self confidence to watch accurate all that outside object which is not in our access to view while we drive the vehicle it will give us 100% safety and security to protect our vehicle from scratch or hitting by any nearby standing object or moving vehicle it also give us extra time to take appropriate decision during crossing overtaking passing or parking in narrow and busiest way like rushed bazaar or over hill area.

No. of Pages : 41 No. of Claims : 7

(22) Date of filing of Application :21/09/2015

(21) Application No.8660/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : STABILIZATION OF RADIOSYNTHETIC INTERMEDIATES

(51) International classification	:C07B63/04	(71)Name of Applicant :
(31) Priority Document No	:61/804371	1)TRASIS S.A.
(32) Priority Date	:22/03/2013	Address of Applicant : Alle du VI Ao»t Sart- Tilman B6a B- 4000
(33) Name of priority country	:U.S.A.	Liege Belgium
(86) International Application No	:PCT/EP2014/055752	(72)Name of Inventor :
Filing Date	:21/03/2014	1)OTABASHI Muhammad
(87) International Publication No	:WO 2014/147244	2)PHILIPPART Gauthier
(61) Patent of Addition to Application Number	:NA	3)VOCCIA Samuel
Filing Date	:NA	4)WOUTERS Ludovic
(62) Divisional to Application Number	:NA	5)MORELLE Jean- Luc
Filing Date	:NA	

(57) Abstract :

The present invention relates to a method for stabilizing radiosynthetic intermediates used in synthesis of 18F radiolabeled aromatic amino acid derivatives toward decomposition caused by beta and gamma radiations by the use of radical scavengers and/or reductants and/or antioxidants.

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

(22) Date of filing of Application :04/12/2014

(21) Application No.3895/MUM/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : METHOD AND SYSTEM FOR MULTIFACTOR BIOMETRIC AUTHENTICATION

(57) Abstract :

The present subject matter discloses device and method determining legitimacy of user. A detecting module detects fingers swept in a sequence by a user on the fingerprint sensor 102. The determining module 114 determines: a pressure applied while sweeping corresponding to the two or more fingers a time duration corresponding to the sweeping of each of the two or more fingers and a time gap between the sweeping of a finger and a subsequent finger of the two or more fingers in the sequence. Matching module 116 matches the sequence the pressure the time duration and the time gap with a reference sequence a reference pressure a reference time duration and reference time gap respectively associated with the user. The generating module 118 generates a score based on the matching. Further the determining module 114 determines the legitimacy of the user based upon comparison of the score with a threshold.

No. of Pages : 27 No. of Claims : 8

(22) Date of filing of Application :06/07/2015

(43) Publication Date : 16/10/2015

(54) Title of the invention : COMPOSITION FOR TREATING RHEUMATOID ARTHRITIS OSTEOARTHRITIS TYPE OF AILMENTS AND DIFFERENT TYPES OF MUSCULAR OR JOINT PAIINS IN HUMAN BEINGS.

(51) International classification:A61k9/00 61k31/00(31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(86) International Application No:NA	<ul> <li>(71)Name of Applicant :</li> <li>1)R.N.VARMA Address of Applicant :A-603 PARTH PLOT-228 SECTOR-13 NEAR SHILP CHOWK KHARGHAR NAVI-MUMBAI PIN - 410210 Maharashtra India (72)Name of Inventor :</li></ul>
Filing Date :NA	1)R.N.VARMA
(87) International Publication No : NA	
(61) Patent of Addition to Application Number :NA	
Filing Date :NA	
(62) Divisional to Application Number :NA	
Filing Date :NA	

(57) Abstract :

This invention is related to a composition comprising of Garlic Dried Ginger Ajwain (Trachyspermum ammi Carom/Bishops weed) and Methi seeds (Fenugreek) taken in mustard oil the contents boiled to extract the useful components from the raw materials and the resultant oil is then used for treating Rheumatoid Arthritis Osteoarthritis type of ailments and different types of muscular or joint pains in human beings. Composition comprising for treating Rheumatoid Arthritis Osteoarthritis muscular pains comprising; 100 of mustard oil 10 gm of garlic 4.4 gm dried ginger 3 gm of Bishops weed and 4.4 gm Methi seeds.

No. of Pages : 16 No. of Claims : 3

(22) Date of filing of Application :30/01/2015

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : REMOTE ELECTRONIC DATA FORENSICS SOLUTION FOR REAL-TIME ELECTRONIC DATA ANALYSIS

(51) International classification	:B60P3/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Mandora Vijay Mansinh
(32) Priority Date	:NA	Address of Applicant :14/6 Parivar Co-operative Housing Society
(33) Name of priority country	:NA	Satyagrah Chhavni road Nr. Mansi Circle Vastrapur Ahmedabad 380015
(86) International Application No	:PCT//	Gujarat India Gujarat India
Filing Date	:01/01/1900	(72)Name of Inventor :
(87) International Publication No	: NA	1)Mandora Vijay Mansinh
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

Abstract REMOTE ELECTRONIC DATA FORENSICS SOLUTION FOR REAL-TIME ELECTRONIC DATA ANALYSIS The present invention concerns a remote electronic data forensics solution for real-time electronic data analysis. System configuration includes forensic tool kit a data center control centre and more than one end user which are connected with various connecting means. The present invention also concerns a method for providing secure access of forensic evidence stored in data storage device to various investigative agencies for forensic investigation through data centre. Further this system allows transmission in read only mode with hash value and check sum facility to provide authenticity. It also provides multiple user interfaces for virtual communication between raid site and investigative agencies.

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

#### (19) INDIA

(22) Date of filing of Application :16/08/2015

#### (43) Publication Date : 16/10/2015

## (54) Title of the invention : PREPARATION AND CHARACTERIZATION OF QUERCETIN DERIVATIVES QUERCETIN THIOSEMICARBAZONES HAVING HIGH SUNSCREEN PROTECTION AND ANTICANCER ACTIVITY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	31/00 A61K 8/00 :NA :NA :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)Abdul wajid Abdul Rafique Address of Applicant :Near jafar painter house khawaja nagarBalapur road Akola. Maharashtra India</li> <li>2)Devidas Totaram Mahajan</li> <li>3)Quazi Syed Azharuddin Quazi Syed Rafiuddin</li> <li>(72)Name of Inventor :</li> <li>1)Abdul wajid Abdul Rafique</li> <li>2)Devidas Totaram Mahajan</li> <li>3)Quazi Syed Azharuddin Quazi Syed Rafiuddin</li> </ul>
		3)Quazi Syed Aznaruddin Quazi Syed Kanuddin
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a process for the preparation and characterization of new Quercetin derivatives Quercetinthiosem carbazones based sunscreen cream having high sunscreen protection and anticancer activity. Following invention is described in detail with the help of Figure 1 of sheet 1 shows the diagram for a Thin Layer Chromatography results where the mobile phase used are Toluene: Ethyl acetate: Formic Acid 6:2:0.8 (v/v/v) Figure 2 of sheet 1 shows the diagram for FTIR graph for the Quercetin Figure 3 of sheet 2 shows the diagram for FTIR graph for the Quercetin Thiosemicarbazone derivative.

No. of Pages : 23 No. of Claims : 3

(22) Date of filing of Application :03/10/2015

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : SURGICAL FORCEPS FOR LATERAL OSTEOTOMY OF NASAL BONE

	:A61B17/24	(71)Name of Applicant :
(51) International classification	A61B17/32	1)Rashmi Uddanwadikar
	A61B17/28	Address of Applicant :Department of Mechanical Engineering VNIT
(31) Priority Document No	:NA	Nagpur Maharashtra India
(32) Priority Date	:NA	2)Apurva Sharan
(33) Name of priority country	:NA	3)Jugal Shah
(86) International Application No	:NA	4)Dr. Subhash Narayan Lulay
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)Rashmi Uddanwadikar
(61) Patent of Addition to Application Number	:NA	2)Apurva Sharan
Filing Date	:NA	3)Jugal Shah
(62) Divisional to Application Number	:NA	4)Dr. Subhash Narayan Lulay
Filing Date	:NA	

(57) Abstract :

This invention relates generally to surgical tools and more particularly to such tools and methods used in lateral Osteotomy of the nasal bone. The designing process was initiated by studding the basic anatomy of the nose. Lever 1 mechanism was studied to design the forceps. It is experimentally calculated that gripping force is 250N-450N. The length of forceps was designed such as to transfer sufficient force to break the bone. Considering the above dimension and tolerance space available inside the nose the designing was completed. A Rapid Prototype model of the designed model was generated so that the surgeon could examine the forceps closely and suggest for modification. The fabrication process was initiated after this. The fabricated forceps was given to the surgeon for inspection. After getting confirmation from the surgeon cadaveric study was conducted. The cadaveric study and its observations are discussed in detail. Following invention is described in detail with the help of Figure 1 of sheet 1 showing the assembled view of nasal bone cutting forceps.

No. of Pages : 15 No. of Claims : 5

(22) Date of filing of Application :27/11/2014

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : FAST RELEASE TASTE MASKED DRY POWDER FOR ORAL SUSPENSION

(51) International classification9/00(31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(86) International Application No:NAFiling Date:NA(87) International Publication No:NA(61) Patent of Addition to Application Number:NA	<ul> <li>(71)Name of Applicant :</li> <li>1)NORTH MAHARASHTRA UNIVERSITY Address of Applicant :NORTH MAHARASHTRA UNIVERSITY PB: 80 UMAVINAGAR JALGAON 425001 MS. INDIA. Maharashtra India (72)Name of Inventor : 1)MR. UMAKANT VERMA 2)MR. GOKUL A. KHAIRNAR 3)DR. VINOD J. MOKALE</li></ul>
Filing Date :NA (62) Divisional to Application Number :NA	4)MR. JAYESH S. PATIL 5)DR. JITENDRA B. NAIK
Filing Date :NA	

(57) Abstract :

The present invention describes a pharmaceutical composition for oral administration in powder form; where in taste of the active pharmaceutical ingredient is masked by Lyophilization technique. The pharmaceutical composition comprising the 2-Hydroxy propyl) -|3-Cyclodextrin and Polyvinyl pyrrolidone K-30 which is used as taste masking agent for the unpleasant drug. The composition contains taste masked active pharmaceutical ingredients (Famotidine) Xanthan gum and other pharmaceutically acceptable ingredients and the said pharmaceutical composition is homogeneously distributed for extended period of when dispersed in suitable suspending agent.

No. of Pages : 23 No. of Claims : 14

(22) Date of filing of Application :10/06/2015

(21) Application No.2243/MUM/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : ADAPTIVE FUZZY HARDWARE TASK SCHEDULER FOR REAL TIME OPERATING SYSTEM

(51) International classification:G06 9/00(31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(86) International Application No:NAFiling Date:NA(87) International Publication No: NA(61) Patent of Addition to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NAFiling Date:NA	<ul> <li>F (71)Name of Applicant :         <ul> <li>1)Dinesh Gokuldasji Harkut</li> <li>Address of Applicant :Associate Professor Dept. of Computer Science</li> <li>&amp; Engineering Prof Ram Meghe College of Engineering &amp; Management</li> <li>Badnera Amravati Pin 444 701 Maharashtra India</li> <li>(72)Name of Inventor :                 <ul> <li>1)Dinesh Gokuldasji Harkut</li> <li>2)2. Mr. Sadique Ali Ashique Ali</li> </ul> </li> </ul> </li> </ul>
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(57) Abstract :

Generally RTOs are implemented in software which in turns increases computational overheads jitter and memory footprint which can be reduced even if not remove completely by utilizing latest FPGA technology which enables the implementation of a full featured and flexible hardware based RTOs. The present invention proposes the novel Two Phase Adaptive Fuzzy Inference System based hardware task scheduler which uses fuzzy logic to model the uncertainty at two phases which work one after the other along with adaptive framework that uses feedback which allows processors share of task running on multiprocessor to be controlled dynamically at runtime. The increased computation overheads resulted from proposed model can be compensated by exploiting the parallelism of the hardware as being migrated to FPGA. Following invention is described in detail with the help of Figure 1 of sheet 1 showing block schematic of FPGA based Adaptive Fuzzy Task Scheduler and Figure 5 of sheet 3 showing the flow diagram the overall system flow.

No. of Pages : 24 No. of Claims : 6

(22) Date of filing of Application :16/06/2015

(43) Publication Date : 16/10/2015

### (54) Title of the invention : FUZZY HARDWARE TASK SCHEDULER FOR REAL TIME OPERATING SYSTEM WITHPRIORITY QUEUE

(51) International classification	:G06F 9/00 G06F 12/00	<ul> <li>(71)Name of Applicant :</li> <li>1)Dinesh Gokuldasji Harkut Address of Applicant :Associate Professor Dept. of Computer Science &amp; Engineering Prof Ram Meghe College of Engineering &amp; Management</li> </ul>
(31) Priority Document No	:NA	Badnera Amravati Pin 444 701 Maharashtra India
(32) Priority Date	:NA	(72)Name of Inventor :
(33) Name of priority country	:NA	1)Dinesh Gokuldasji Harkut
(86) International Application No	:NA	2)Mir Sadique Ali Ashique Ali
Filing Date	:NA	3)Sandesh Rajesh Harkut
(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 :

Generally RTOs are implemented in software which in turns increases computational overheads jitter and memory footprint which can be reduced even if not remove completely by utilizing latest FPGA technology which enables the implementation of a full featured and flexible hardware based RTOs. The present invention proposes the novel Two phase Fuzzy Inference System based hardware task scheduler which uses fuzzy logic to model the uncertainty. Frequent sorting and updation of the tasks in queue increases the overhead which can be reduced to greater extent by using Hardware Priority Queue which increase the sorting speed and thus lessen the burden of CPU.Proposed model increases determinism as task scheduler is migrated in hardware. The increased computation overheads resulted from proposed model can be compensated by exploiting the parallelism of the hardware as being migrated to FPGA.Following invention is described in detail with the help of Figure 1 of sheet 1 showingblock schematic of FPGA based hardware support for task schedulerand Figure 5 of sheet 3 showing theflow diagram the overall system flow.

No. of Pages : 29 No. of Claims : 5

(22) Date of filing of Application :01/10/2015

(21) Application No.5259/CHE/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : BOJJA'S ADVANCED SOLDERING TECHNOLOGY :B23K (71)Name of Applicant : (51) International classification **1)BOJJA BHARATH KUMAR** (31) Priority Document No :NA (32) Priority Date :NA Address of Applicant :D.NO: 1-42 KOTHA PETA STREET (33) Name of priority country :NA KALIKIRI CHITTOOR (DIST) - 517 234 Andhra Pradesh India (86) International Application No :NA (72)Name of Inventor : Filing Date :NA **1)BOJJA BHARATH KUMAR** (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 :

Now a days soldering is more widely used in design of control circuits engineering works etc. so in the view of soldering process soldering iron plays an important role. But in conventional soldering process the lead is required in certain intervals of time. When the soldering process is continued for long duration this process gets delayed due to supply of soldering lead which is kept separately form the soldering iron. From the practical observation it is noted that the process involved in getting soldering lead on to the soldering iron tip consumes enough time. This time delay may be reduced by choosing a suitable method. In this method the soldering iron will be designed with a provision to supply soldering lead on to the soldering iron tip. A pushing switch or push to make switch along with a geared DC motor driving circuit is designed to move the soldering lead on to the soldering iron tip this in turn is helps the user to get the soldering lead on to the soldering iron as per the requirement this method will make the soldering lead to readily available for the soldering process. This will help the user to speed up the soldering process and reduce the time delay.

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

SYSTEM

(22) Date of filing of Application :07/10/2015

(43) Publication Date : 16/10/2015

(54) Title of the invention : AUTOMATIC TANK FILL CONTROL DEVICE WITH MANUAL OVERRIDE AND PUMP PROTECTION

(51) International classification:F04H(31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(36) International Application No:NAFiling Date:NA(87) International Publication No: NA(61) Patent of Addition to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NAFiling Date:NA	<ul> <li>(71)Name of Applicant :</li> <li>(71)Name of Applicant :</li> <li>(71)SUNDARPAUL S</li> <li>Address of Applicant :S/o. SAMUEL SELVA NESAN NO. 2/86</li> <li>SUNDARA VINAYAGAR KOVIL STREET KARAIRUPPU</li> <li>TIRUNELVELI 627357 TAMILNADU Tamil Nadu India</li> <li>2)PREM CHARLES I</li> <li>(72)Name of Inventor :</li> <li>1)SUNDARPAUL S</li> <li>2)PREM CHARLES I</li> <li>3)ANANDBABU M H</li> <li>4)VINOTH KANNAN</li> <li>5)GOPALAKRISHNAN MAHENDHIRAN</li> </ul>
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#### (57) Abstract :

Present invention relates to a device that completely reduces the user intervention and totally frees the user from keeping watch on the water availability and refilling tasks with an additional provision for protection of the water pumping device from depreciation and early failure. More particularly it relates to complete automatic manual operation enabled water fill controlling device integrated with a pump protection element by reducing the risks like failure of pumps and wastage of huge quantities of water purposes due to overflows. The device is meant for automatically controlling the water filling process in a water tank especially overhead water tank with a prevention of overheating of the pumping motor.

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

(22) Date of filing of Application :06/03/2015

(21) Application No.1392/CHE/2015 A

(43) Publication Date : 16/10/2015

## (54) Title of the invention : SYSTEM AND METHOD FOR PRODUCING ELECTRICITY FROM MOVING VEHICLES DOWN FROM A HEIGHT

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:NA :NA :NA :NA :NA : NA	<ul> <li>(71)Name of Applicant :</li> <li>1)PUTTALAGARI RAVI KIRAN Address of Applicant :D. No : 5-5-35/276A Prashanti Nagar Shaktipuram Kukatpally Hyderabad- 500072 Telangana INDIA Telangana India</li> <li>(72)Name of Inventor :</li> <li>1)PUTTALAGARI RAVI KIRAN</li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A system and method to generate electricity by moving vehicles from ground level to a height with an elevator and enabling them to move down to convert the accumulated potential energy into kinetic energy is disclosed. The device takes advantage of the latest energy conversion techniques along with existing gravitational energy conversion methodologies. The apparatus system and method of the present invention can be used in any hilly area to generate electricity most cost effectively.

No. of Pages : 29 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :02/06/2014

(43) Publication Date : 16/10/2015

## (54) Title of the invention : INTRODUCTION OF HYDROGEN OXYGEN MIXTURE AT DIFFERENT INJECTION PRESSURES OF DIESEL ENGINES

:F02B	(71)Name of Applicant :
:NA	1)VELTECH RR&SR TECHNICAL UNIVERSITY
:NA	Address of Applicant :#42 AVADI-VELTECH ROAD AVADI
:NA	CHENNAI - 600 062 Tamil Nadu India
:NA	(72)Name of Inventor :
:NA	1)J.M. BABU
: NA	
:NA	
:NA	
:NA	
:NA	
	:NA :NA :NA :NA :NA :NA :NA :NA

(57) Abstract :

Day by day fossil fuel energy reserves are depleting and the cost of the fuel was increasing. This is because of rapid usage of fossil fuel and it also causes increase of pollution global warming and fuel scarcity. So this is the time to search for alternative fuels. Some of the alternative fuels are Ethanol methanol natural gas bio diesel blends and hydrogen etc. Hydrogen was identified one of the best alternative fuel among all these because it having so many advantages like (high heating value clean fuel renewable energy source absolutely no pollution and available at cheap price) It has the potential to supplement and if possible replace the fossil fuels for the production of energy in the near future applicable to fuel for vehicle and rocket internal combustion engine using hydrogen storage direct combustion for heat and so on. Water electrolysis is a key technology to produce hydrogen and is one of the best methods. In diesel engine injection pressure plays an important role. In this experimental study effect of injection pressure on engine performance and exhaust emissions has been investigated. Experiments has done on kirloskar constant speed single cylinder 4 stroke water cooled diesel engine while the engine is running on electrolytically generated hydrogen oxygen mixture .The experiments are conducted by changing the injection pressure from 175 bar to 375 bar with an interval of 50 bar by applying the minimum load to maximum load of 17.8kg on rope brake dynamometer. Hydrogen oxygen mixture is continuously supplied to the engine at a constant rate of 500 ml/min According to the results maximum performance has been obtained at 300 bar and at high injection pressure increases efficiency will increase and exhaust emissions will decrease.

No. of Pages : 9 No. of Claims : 5

(22) Date of filing of Application :02/10/2015

(43) Publication Date : 16/10/2015

## (54) Title of the invention : SYNERGISTIC THERAPEUTIC POLYPHENOLIC NUTRACEUTICAL COMPOSITIONS AND METHOD THERE OF

(51) International classification	:A61K31/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)K N Lokesh
(32) Priority Date	:NA	Address of Applicant :Department of Biotechnology M.S. Ramaiah
(33) Name of priority country	:NA	institute of Technology Vidya Soudh MSRIT Post Bangaluru Karnataka
(86) International Application No	:NA	India
Filing Date	:NA	2)Channarayappa
(87) International Publication No	: NA	3)Marikunte Venkataranganna
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)K N Lokesh
(62) Divisional to Application Number	:NA	2)Channarayappa
Filing Date	:NA	3)Marikunte Venkataranganna

(57) Abstract :

This invention titled Synergistic therapeutic polyphenolic nutraceutical compositions and method there of  $\bullet$  deals with Synergistic therapeutic compositions containing two or more nutraceuticals selected from a group of diarylheptanoids polyphenols and flavonol aglycones in various molar ratios for binding metals such as Fe Zn Al and others under various clinical conditions and a method of evaluating the synergistic activity of the complexes thus formed using ferric-reducing-antioxidant-power assay and response surface methodology and the supporting preclinical evaluation methods thereof.

No. of Pages : 31 No. of Claims : 9

#### (19) INDIA

(22) Date of filing of Application :05/09/2015

(21) Application No.4711/CHE/2015 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : A POWER GENERATING S	SYSTEM	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)KARUPPAIYA ASHOK KUMAR RANGASAMY Address of Applicant :No. 29/31 F1 Block Srinidhi Flat Perumal Koil West Mada Street West Saidapet Chennai 600 015 Tamil Nadu India Tamil Nadu India</li> <li>(72)Name of Inventor :</li> <li>1)KARUPPAIYA ASHOK KUMAR RANGASAMY</li> </ul>
<ul> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA	

(57) Abstract :

The present disclosure envisages a power generating system that comprises a power pack configured to supply DC power. The system also comprises a DC booster that boosts the DC power. A DC motor is connected to the DC booster to receive the increased DC power and generate a first torque to rotate an input shaft at a first speed. A torque increasing system including a gear box and a lever assembly is coupled to the DC motor through the input shaft. The torque increasing system reduces speed of rotation of an output shaft by a pre-determined reducing ratio thereby increasing the first torque to obtain a second torque that is maintained by the lever assembly. A constant AC power is then generated by a DC alternator based on the maintained second torque. This constant AC power is stepped up by a step up transformer to provide constant stepped-up AC power. Fig.1

No. of Pages : 15 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :28/09/2015

(43) Publication Date : 16/10/2015

## (54) Title of the invention : A SYSTEM AND METHOD FOR IMPROVING INTEGRATION TESTING IN A CLOUD COMPUTING ENVIRONMENT

(51) International classification :G06	F (71)Name of Applicant :
(31) Priority Document No :NA	1)WIPRO LIMITED
(32) Priority Date :NA	Address of Applicant :K & S Partners # 4121/B 6th Cross 19A Main
(33) Name of priority country :NA	HAL II Stage (Extension) Bangalore 560 038 INDIA Karnataka India
(86) International Application No :NA	(72)Name of Inventor :
Filing Date :NA	1)VENKATA SUBRAMANIAN JAYARAMAN
(87) International Publication No : NA	2)SUMITHRA SUNDARESAN
(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 system and method for improving integration testing in a cloud computing environment. In an embodiment one or more input parameters associated with each of one or more products deployed in cloud computing environment are collected from one or more external resources and test management systems. The input parameters include defect parameters user requirements test parameters and performance parameters associated with the product. The integration testing improvement system determines one or more failure issues associated with the product and analyzes the behavior of the product over a predetermined time period to identify a failure pattern associated with the product. Each of the determined failure issues is mapped with the identified failure pattern to detect one or more critical scenarios in each of the products. Later the critical scenarios are automated by executing associated test scripts thereby improving the integration testing in the cloud computing environment. Fig.1a

No. of Pages : 39 No. of Claims : 15

#### (19) INDIA

(22) Date of filing of Application :30/09/2015

#### (54) Title of the invention : LINEAR HYDRO IMPULSE ENERGY TO TORQUE CONVERTER DEVICE

(51) International classification:F0(31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(86) International Application No:NAFiling Date:NA(87) International Publication No: NA(87) International Publication No: NA(61) Patent of Addition to Application Number: NAFiling Date: NA(62) Divisional to Application Number: NAFiling Date: NAFiling Date: NA	NAGAR TRICHY - 620 021 Tamil Nadu India 2)S.ZUBAIR AHAMED 3)A.MOHAMMED RILWAN 4)S.MOHAMMED SUHAIL 5)S.RASHEED AHAMED 6)M.NATARAJ (72)Name of Inventor : 1)S.RENOLD ELSEN 2)S.ZUBAIR AHAMED 3)A MOHAMMED RILWAN
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#### (57) Abstract :

In the present world scenario search for effective utilization of the renewable energy for powder production is still under process. Renewable energy such as solar wind hydro energy is widely used for power production. The Solar energy is available only in day time and only can be used effectively in tropical and equatorial regions as wells as the cost of installation and maintenance of solar panels is high. The wind energy is seasonal and not available all round the year. On the other hand many perennial rivers have water flow throughout all the seasons of the year and it is a main renewable resource extensively used for power production. However the hydro power plants are located in hilly regions and require large catchment areas and large civil construction for power production. But still the hydro power available in flowing water of perennial rivers is unexplored as the available turbine designs cannot be used for the power generation. An innovative type of device is designed to achieve the rotary motion from the linear flow of water available in rivers streams and canals. The design of device is unique and simple which produces the required rotary motion from the water flow in the river. The wing is designed to trap the energy supplied from the flowing water. The fabrication of this device is simple and can be implemented in all the rivers across the world. The power produced by this method is in an environmental friendly manner and can be a better alternative for future power requirements.

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

(22) Date of filing of Application :04/07/2014

(21) Application No.3306/CHE/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : RECONFIGURABLE ANTENNA WITH ADAPTIVE FUNCTION

	<b>G</b> 0.40	
	G06Q	(71)Name of Applicant :
(31) Priority Document No :1	NA	1)VELTECH DR. RR & SR TECHNICAL UNIVERSITY
(32) Priority Date :1	NA	Address of Applicant :NO.42 AVADI - VELTECH ROAD AVADI
(33) Name of priority country :1	NA	CHENNAI - 62 Tamil Nadu India
(86) International Application No :1	NA	2)R. PRASANNA
Filing Date :1	NA	(72)Name of Inventor :
(87) International Publication No :	NA	1)R. PRASANNA
(61) Patent of Addition to Application Number :1	NA	2)R. GOWRISHANKAR RAO
Filing Date :1	NA	3)N.G. RENGANATHAN
(62) Divisional to Application Number :	NA	4)S. UDHAYA BASKARAN
Filing Date :1	NA	

(57) Abstract :

The antenna proposing here will have the tendency to work in multi frequency requirements and the system will have the ability to have priority in frequency switching. There is no employing of movable parts in this antenna module so noise will be very low and the system will consumes low power than the existing radar system. The technology is being targeted at the following applications: Commercial automotive High Speed train Aeronautical and Military mobile terminals. Commercial automotive is for supporting live satellite TV broadcasts while on the move. High Speed train is for supporting RX-only and two way web-based services available to passengers for business and infotainment. Aeronautical is for combining the low profile of a phased array with the economics of a reflector providing airline passengers with internet access on long haul flights. Military mobile terminals are for providing up-to-the-minute tactical and logistical information via satellite to the battlefield.

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

(22) Date of filing of Application :30/09/2015

(21) Application No.5233/CHE/2015 A

(43) Publication Date : 16/10/2015

## (54) Title of the invention : SYSTEM AND METHOD OF PERFORMING EFFECTIVE LAWFUL INTERCEPTION FOR COMMUNICATION INVOLVING ADULTERATED CONTENT

(51) International classification	:H04M	(71)Name of Applicant :
(31) Priority Document No	:NA	1)WIPRO LIMITED
(32) Priority Date	:NA	Address of Applicant :Doddakannelli Sarjapur Road Bangalore
(33) Name of priority country	:NA	560035 Karnataka India. Karnataka India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SWAMINATHAN SEETHARAMAN
(87) International Publication No	: NA	2)VENKATA SUBRAMANIAN JAYARAMAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This disclosure relates generally to lawful interception and more particularly to methods and systems for lawful interception. In one embodiment a method for lawful interception in a communication network is disclosed. The method includes detecting in real-time via at least one network device adulteration in communication data based on comparison of a set of adulteration parameters derived from the communication data with associated thresholds within a set of thresholds. The method further includes analyzing via the at least one network device adulterated content in the communication data to determine feasibility of correcting the adulterated content based on satisfaction of predefined criteria. Moreover the method includes correcting selectively the adulterated content based on satisfaction of the predefined criteria. Figure 5

No. of Pages : 34 No. of Claims : 24

(22) Date of filing of Application :31/10/2014

(21) Application No.5460/CHE/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : HYDRAULIC MOTOR WITHOUT RECIPROCATING PARTS

(51) International classification	:F04B	(71)Name of Applicant :
(31) Priority Document No	:NA	1)AMET UNIVERSITY
(32) Priority Date	:NA	Address of Applicant :135 EAST COAST ROAD KANATHUR - 603
(33) Name of priority country	:NA	112 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)L. SHANTHI KUMAR
(87) International Publication No	: NA	2)PROFESSOR D. IMMANUEL THIAGARAJAN
(61) Patent of Addition to Application Number	:NA	3)PROFESSOR A. VENUGOPAL
Filing Date	:NA	4)PROFESSOR T. MOHAN
(62) Divisional to Application Number	:NA	5)DR. N. MANOHARAN
Filing Date	:NA	

(57) Abstract :

This invention discloses a Hydraulic Motor (Without Reciprocating Parts) that can be used for all Marine Hydraulic Applications and Shore based Hydraulic Applications.

No. of Pages : 16 No. of Claims : 2

(22) Date of filing of Application :02/02/2015

(21) Application No.501/CHE/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : AUTO MECHANIZED URINALS

(51) International classification	:E03D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr. Abdul Kareem
(32) Priority Date	:NA	Address of Applicant :S/O P B Suhara Valiya Valappil House Thotty
(33) Name of priority country	:NA	Pallikara Bekal Fort P.O- 671316 Kasaragod Kerala India. Kerala India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Dr. Abdul Kareem
(87) International Publication No	: NA	2)Roshan Rai M
(61) Patent of Addition to Application Number	:NA	3)Arpith
Filing Date	:NA	-
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A mechanically operative urinal flush system comprising a platform placed on pivot rod with a set of springs at one end and a lever connecting other end of the platform to valve plug inside a valve is disclosed. Water is flown through a urinal tank when the springs get compressed by a weight placed on it by lifting the valve plug connected to the lever. The flow of water is stopped otherwise. In one embodiment mechanical dampers and control valves are used to regulate a smooth and slightly delayed flow of water through the urinal tank. In another embodiment a water spreading device is attached to the valve bottom to spread the water in all directions through the urinal tank.

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

(22) Date of filing of Application :05/10/2015

(21) Application No.5327/CHE/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : METHOD AND SYSTEM FOR GENERATING PORTABLE ELECTRONIC DOCUMENTS

(31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(86) International Application No:NAFiling Date:NA	<ul> <li>(71)Name of Applicant :</li> <li>1)WIPRO LIMITED Address of Applicant :Doddakannelli Sarjapur Road Bangalore</li> <li>560035 Karnataka India. Karnataka India</li> <li>(72)Name of Inventor :</li> <li>1)MIRIYALA SRI VENKATA SATHYA SURYA KRISHANA PRASANNA DILEEP</li> </ul>
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(57) Abstract :

The present disclosure relates to a method for generating portable electronic documents. The method comprises retrieving key character positions of each syllable repositioned character and syllable chunks of each syllable of pre-processed electronic document. Then probable data loss resulting from usage of each syllable chunk of the syllable chunks is determined using corresponding characteristic information associated with each syllable chunk. Each character of each syllable chunk is translated into glyph stream using predetermined glyph mapping based on probable data loss. The glyph stream is restructured using invisible glyphs and composite glyphs. Font data of at least one of invisible and composite glyphs is modified upon restructuring. Then glyph stream is mapped with predetermined Unicode value of invisible glyphs composite glyphs repositioned character and each syllable chunk upon modification. A portable electronic document is generated using modified font data mapping of the Unicode value and glyph stream of each syllable chunk. Figure 14

No. of Pages : 50 No. of Claims : 14

(22) Date of filing of Application :29/01/2015

(21) Application No.415/CHE/2015 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : ANTI-COLLISION SYSTEM

(54) Title of the invention : ANTI-COLLISION SYSTEM		
(51) International classification	:G08B	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr. Abdul Kareem
(32) Priority Date	:NA	Address of Applicant :S/O P B Suhara Valiya Valappil House Thotty
(33) Name of priority country	:NA	Pallikara Bekal Fort P.O- 671316 Kasaragod Kerala India. Kerala India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Dr. Abdul Kareem
(87) International Publication No	: NA	2)Fadil Luquman
(61) Patent of Addition to Application Number	:NA	3)Gokul K Nair
Filing Date	:NA	4)Probid J Panikkan
(62) Divisional to Application Number	:NA	5)Nived M
Filing Date	:NA	6)Sachin Kumar Nair

(57) Abstract :

According to one aspect of the present disclosure a system comprises a set of sensors mounted at a first spot on the first side of a road an alert system mounted at a distance from the first spot in the first direction configured to turn on upon receiving a alarm signal; and a processor block coupled to the set of sensors configured to process signals from the set of sensors wherein the processor block is configured to send the alarm signal to the alert system when a vehicle is determined as moving in the first direction on first side of the road at the first spot. According to one embodiment of the present disclosure a communication medium is coupled between the alert system and the processor block. According to another embodiment of the present disclosure the alert system is mounted at a distance after the road has taken a curve on the first side.

No. of Pages : 18 No. of Claims : 5

(22) Date of filing of Application :29/09/2015

(21) Application No.5211/CHE/2015 A

(43) Publication Date : 16/10/2015

## (54) Title of the invention : SYSTEM AND METHOD FOR EFFECTIVE AND RELIABLE LAWFUL INTERCEPTION CONTENT TRANSMISSION ACROSS NETWORKS

(51) International classification	:H04M	(71)Name of Applicant :
(31) Priority Document No	:NA	1)WIPRO LIMITED
(32) Priority Date	:NA	Address of Applicant :K & S Partners # 4121/B 6th Cross 19A Main
(33) Name of priority country	:NA	HAL II Stage (Extension) Bangalore 560 038 INDIA Karnataka India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SWAMINATHAN SEETHARAMAN
(87) International Publication No	: NA	2)VENKATA SUBRAMANIAN JAYARAMAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A session continuity server controller the controller comprising: a memory; and a processor coupled to the memory storing processor executable instructions which when executed by the processor causes the processor to perform operations comprising: determining one or more defects in lawful interception content transmission associated with a user session wherein the one or more defects comprise one or more degraded network conditions and degraded LI content; executing one or more corrective measures based on the one or more defects in lawful interception content transmission; and determining stability of the lawful interception content transmission post one or more corrective measures for effective and reliable lawful interception content transmission.

No. of Pages : 38 No. of Claims : 18

(22) Date of filing of Application :01/10/2015

(43) Publication Date : 16/10/2015

## (54) Title of the invention : NOVEL ANTIVIRAL AGENT FROM THE RIPE SEEDS OF PONGAMIA PINNATA (L.) AGAINST VARICELLA-ZOSTER VIRUS

(51) International classification:A61K36/00(31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(86) International Application No:NAFiling Date:NA(87) International Publication No:NA(61) Patent of Addition to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NA	<ul> <li>(71)Name of Applicant :</li> <li>1)DR.V.HEMAMALINI <ul> <li>Address of Applicant :ASSISTANT PROFESSOR DEPARTMENT</li> <li>OF PLANT BIOLOGY AND PLANT BIOTECHNOLOGY QUAID-E-MILLATH GOVT ARTS COLLEGE (W) CHENNAI - 600 002 Tamil</li> <li>Nadu India</li> <li>2)PROF.DR.S.RAJARAJAN</li> <li>3)MR.R.SRIDHAR</li> <li>(72)Name of Inventor :</li> <li>1)DR.V.HEMAMALINI</li> <li>2)PROF.DR.S.RAJARAJAN</li> <li>3)MR.R.SRIDHAR</li> </ul> </li> </ul>
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(57) Abstract :

Disclosed herein is a novel antiviral compound (dihydroxy propyl oleate) from the ripe seed kernel of an Indian medicinal plant Pongamia Pinnata (Linn.) as the active principle and composition thereof for said novel compound with pharmaceutically acceptable excipients for treating Varicella-Zoster Virus (VZV) infection. The invention also provides a process for the preparation of Seizt-fileterd and Lyophilized extract at very lower concentration against VZV by Cytopathic inhibition assay.

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

(22) Date of filing of Application :18/09/2015

(21) Application No.5001/CHE/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : PROCESS FOR THE PREPARATION OF LACOSAMIDE

(51) International classification	:C07C	(71)Name of Applicant :
(31) Priority Document No	:NA	1)DIVI S LABORATORIES LTD.
(32) Priority Date	:NA	Address of Applicant :7-1-77/E/1/303 DIVI TOWERS DHARAM
(33) Name of priority country	:NA	KARAN ROAD AMEERPET HYDERABAD - 500 016 Andhra Pradesh
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)SATCHANDRA KIRAN DIVI
(61) Patent of Addition to Application Number	:NA	2)MYSORE ASWANTHA NARAYANA RAO
Filing Date	:NA	3)SHAIK NOWSHUDDIN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A novel process for the preparation of (R)-2-acetamido-N-benzyl-3-methoxypropionamide (Lacosamide) is described. It comprises reacting N-acetyl-D-serine methyl ester with benzylamine catalyzed by a non-nucleophilic base to obtain (R)-2-acetamido-2-N-benzyl-3-hydroxy propionamide followed by its methylation.

No. of Pages : 18 No. of Claims : 4

(22) Date of filing of Application :07/10/2015

(43) Publication Date : 16/10/2015

## (54) Title of the invention : SYSTEM AND METHOD FOR OPTIMIZING EVENT ALERTS IN AN INFORMATION TECHNOLOGY (IT) INFRASTRUCTURE MANAGEMENT SYSTEM

(51) International classification	:G06Q	(71)Name of Applicant :
(31) Priority Document No	:NA	1)WIPRO LIMITED
(32) Priority Date	:NA	Address of Applicant :Doddakannelli Sarjapur Road Bangalore
(33) Name of priority country	:NA	560035 Karnataka India. Karnataka India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)RAMKUMAR BALASUBRAMANIAN
(87) International Publication No	: NA	2)PREMCHAND RYALI
(61) Patent of Addition to Application Number	:NA	3)SHIVAMURTHY HARAVE GURUSWAMAPPA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

System and method for optimizing event alerts in an information technology (IT) infrastructure management system are disclosed. In one embodiment the method comprises tracking one or more event alerts triggered by monitoring tools. The method further comprises determining a probable usage for at least one configuration item associated with the one or more event alerts. The method further comprises determining a probable threshold value for each of the at least one configuration item based on the probable usage and capacity data. The method further comprises computing a final threshold value for each of the at least one configuration item based on the probable threshold value seasonality data or semantic context data. The method further comprises optimizing the event alerts by filtering at least one unwanted event alert from the one or more event alerts based on at least one of the final threshold value and filtering rules. Figure 2

No. of Pages : 30 No. of Claims : 14

### **Publication After 18 Months:**

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

(12) PATENT APPLICATION PUBLICATION	(21) Application No.1199/DEL/2012 A
(19) INDIA	
(22) Date of filing of Application :18/04/2012	(43) Publication Date : 16/10/2015

#### (54) Title of the invention : ADC RESOLUTION ENHANCEMENT

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)CYPRESS SEMICONDUCTOR CORPORATION <ul> <li>Address of Applicant :198 CHAMPION CT. SAN JOSE CA 95134</li> <li>U.S.A. U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)CERA DD BAL DWIN</li> </ul> </li> </ul>
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA :NA :NA	1)GERARD BALDWIN 2)VM SARAVANAN 3)PAUL WALSH 4)KAVEH HOSSEINI

#### (57) Abstract :

An ADC has a defined resolution for illustration purposes say 8-bit. This defines the SNR of the result in the digital domain due to quantization noise which is a primary specification of any ADC. This has the well know result of approximately 6dB per bit. In order to reduce quantization noise greater bit resolution is required. For example an 8-bit ADC has 48dB of SNR while a 9-bit ADC has 54dB of SNR. The problem is how to achieve 9-bit or higher resolution from an 8-bit ADC. The invention concept is to achieve greater the N-Bit resolution form an N-bit ADC by the addition of a signal to the input of the ADC and subsequent averaging of the digital result. Specifically there is a particular pattern that is added to the input of the ADC to achieve a required no of bits enhancement. The concept is in the pattern required and the method of adding this to the input of the ADC.

No. of Pages : 6 No. of Claims : 1

#### (19) INDIA

(22) Date of filing of Application :11/06/2012

#### (43) Publication Date : 16/10/2015

#### (54) Title of the invention : A COMPOSITION AND METHOD FOR CONTROLLING ROTIFER IN MICROALGAL CULTURE SYSTEMS

(31) Priority Document No:1(32) Priority Date:1(33) Name of priority country:1(36) International Application No:1Filing Date:1(87) International Publication No:(61) Patent of Addition to Application Number:1Filing Date:1(62) Divisional to Application Number:1	C12Q NA NA NA NA NA NA NA NA	<ul> <li>(71)Name of Applicant :</li> <li>1)COUNCIL OF SCIENTIFIC &amp; INDUSTRIAL RESEARCH Address of Applicant :ANUSANDHAN BHAWAN RAFI MARG</li> <li>NEW DELHI-110 001 INDIA Delhi India</li> <li>2)OIL AND NATURAL GAS CORPORATION LTD.</li> <li>(72)Name of Inventor :</li> <li>1)V.S. CHAUHAN</li> <li>2)A. KUMUDHA</li> <li>3)G.V. SWARNALATHA</li> <li>4)M.D. KAVITHA</li> <li>5)S. VIDYASHANKAR</li> <li>6)R. SARADA</li> <li>7)G.A. RAVISHANKAR</li> <li>8)A.K. JAIN</li> <li>9)A.K. BANSAL</li> <li>10)PREMA RATHI</li> <li>11)JYOTI KUMAR</li> <li>12)ANIL PANDE</li> </ul>
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#### (57) Abstract :

A composition and a method for controlling rotifer infestation in microalgal culture systems. Microalgae are known for many high value metabolites such as carotenoids phycobiliproteins lipids PUFA and biomolecules of nutraceutical and pharmaceutical applications. In recent years microalgae have also gain importance as a potential source of biohel. The outdoor raceway pond is the preferred microalgal culture system however it is prone to contamination and infestation with predators such as rotifers and zooplantktons resulting in frequent loss of cultures. Therefore the present invention is focused on a method to control rotifer infestation in microalgal culture systems using a composition comprising salts of ammonia and liquid ammonia which are deleterious to rotifers but not to microalgae. The method developed has been successfully eliminated the rotifers without affecting the microalgal growth and facilitated the maintenance of rotifer free microalgal culture.

No. of Pages : 20 No. of Claims : 9

#### (19) INDIA

(22) Date of filing of Application :11/06/2012

#### (43) Publication Date : 16/10/2015

### (54) Title of the invention : AN EXPRESSION VECTOR CONTAINING A STRONG PROMOTER FOR HIGH LEVEL HETEROLOGOUS GENE EXPRESSION IN SCHIZOSACCHAROMYCES POMBE AND METHOD FOR PRODUCTION OF DESIRED PROTEIN THEREOF

(31) Priority Document No :NA	N (71)Name of Applicant : 1)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH
(32) Priority Date :NA	Address of Applicant :ANUSANDHAN BHAWAN RAFI MARG
(33) Name of priority country :NA	NEW DELHI-110 001 INDIA Delhi India
(86) International Application No :NA	(72)Name of Inventor :
Filing Date :NA	1)JAGMOHAN SINGH
(87) International Publication No : N	2)HEMANT KUMAR VERMA
(61) Patent of Addition to Application Number :NA	
Filing Date :NA	
(62) Divisional to Application Number :NA	
Filing Date :NA	

(57) Abstract :

This invention provides the construction of an expression vector containing a strong promoter which provides continuous high level expression of heterologous genes or synthetic gene encoding therapeutic protein such as Hepatitis B surface antigen HBsAg for several days in transformed Schizosaccharomyces pombe strain. Expression levels are M e r stimulated by 3-fold upon culturing in the presence of 1.2 M sorbitol yielding intracellular protein expression levels at shake flask that are 60 to 180-fold higher than those achieved with adhl and nmtl promoters of S. pombe and 12 to 18-fold higher than those reported with the Pichia pastoris promoter AOXI. This system has great potential as a commercially viable and more cost effective alternative to Pichia pastoris for expressing heterologous proteins.

No. of Pages : 63 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :11/08/2012

(43) Publication Date : 16/10/2015

(54) Title of the invention : PROCESS FOR IMPROVED SEAWEED BIOMASS CONVERSION FOR FUEL INTERMEDIATES AND FERTILIZER

(51) International classification :C12N	(71)Name of Applicant :
(31) Priority Document No :NA	1)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH
(32) Priority Date :NA	Address of Applicant : ANUSANDHAN BHAWAN RAFI MARG
(33) Name of priority country :NA	NEW DELHI-110 001 INDIA Delhi India
(86) International Application No :NA	(72)Name of Inventor :
Filing Date :NA	1)PUSHPITO KUMAR GHOSH
(87) International Publication No : NA	2)DIBYENDU MONDAL
(61) Patent of Addition to Application Number :NA	3)KAMALESH PRASAD
Filing Date :NA	4)ARUP KUMAR SIDDHANTA
(62) Divisional to Application Number :NA	
Filing Date :NA	

(57) Abstract :

The invention relates to an integrated process for the production of 5- hydroxymethyl furfural (HMF) K2SO4 levulinic acid and formic acid from Kcarrageenan the latter being obtained from fresh Kappaphycus a/\arez//sea\Need biomass after expelling the juice. Mg(HSO4)2 was used in HMF synthesis with coproduction of galactose. The aqueous stream after HMF extraction was treated with the seaweed juice which process facilitated recovery of K2SO4 in pure form. The galactose may be utilised for synthesis of levulinic acid and formic acid before or after K2SO4 recovery or alternatively utilised for other purposes. Catalysts required in the synthetic reactions are generated in the process itself while the process energy required is met out of additional supplies of the seaweed biomass which is subjected to combustion/gasification. 23

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

(22) Date of filing of Application :16/04/2012

(21) Application No.1167/DEL/2012 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : AN INTERACTIVE SOCIAL AND POLITICAL NETWORKING SYSTEM

(51) International classification	:H04N	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ATLURI KRISHNA PRASAD
(32) Priority Date	:NA	Address of Applicant : A702 LIONS APARTMENT SECTOR 56
(33) Name of priority country	:NA	GURGAON -122002 Haryana India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)ATLURI KRISHNA PRASAD
(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 relates generally to an interactive social and political networking system and more particularly to a system and method for providing a platform for interactions between politician(s) government and citizen(s).

No. of Pages : 40 No. of Claims : 19

(22) Date of filing of Application :16/04/2012

(21) Application No.1168/DEL/2012 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : EXTRACTION OF HIGH QUALITY PLANT DNA FROM OIL CROPS: A FAST CHEAPER & RELIABLE METHOD

(71)Name of Applicant :
1)BANASTHALI VIDYAPITH
Address of Applicant :BANASTHALI VIDYAPITH TONK STATE:
RAJASTHAN - 304022 Rajasthan India
(72)Name of Inventor :
1)SHARMA; ANUBHUTI
2)GARG; GAJARA
3)TYAGI; RUCHI

(57) Abstract :

The present invention relates to the field of nucleic acid extraction from the plant material. Particularly the invention provides a high yielding DNA extraction process from oil crops. The said process is a quick simple cheaper and an efficient process which is capable of generating large amount of DNA from very small starting plant material with highly purified DNA content.

No. of Pages : 21 No. of Claims : 14

#### (19) INDIA

(22) Date of filing of Application :20/01/2015

(54) Title of the invention : VENT STRINGER FITTING

(21) Application No.180/DEL/2015 A

(43) Publication Date : 16/10/2015

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)THE BOEING COMPANY Address of Applicant :100 North Riverside Plaza Chicago IL 60606- 2016 United States of America U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)COREY A. ROLFES</li> </ul>
Filing Date	:NA	

(57) Abstract :

A fitting for a vent stringer of a type having an open end and an outer edge defining the open end. The fitting nay include a fitting body receivable along the open end of the vent stringer the fitting body having a groove that generally corresponds with the outer edge 5 of the vent stringer the groove of the fitting body shaped to receive the outer edge of the vent stringer to create a tongue and groove joint with the outer edge; and a connection between the fitting and tlie stringer to prevent slidable movenento f the fitting relative to the stringer.

No. of Pages : 21 No. of Claims : 20

(22) Date of filing of Application :12/06/2012

(21) Application No.1800/DEL/2012 A

(43) Publication Date : 16/10/2015

### (54) Title of the invention : PROCESS FOR THE PREPARATION OF TADALAFIL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:NA :NA :NA :NA :NA : NA	<ul> <li>(71)Name of Applicant :</li> <li>1)JUBILANT LIFE SCIENCES LIMITED Address of Applicant :POLT 1A SECTOR 16A NOIDA-201301 UP INDIA Uttar Pradesh India (72)Name of Inventor : 1)MEHTA JATIN 2)SINGH KUMBER 3)SRIVASTAVA ALKA CHAUDHARY</li></ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)SRIVASTAVA ALKA CHAUDHARY 4)VIR DHARAM
(62) Divisional to Application Number Filing Date	:NA :NA	5)AGARWAL ASHUTOSH

(57) Abstract :

The present invention provides an improved simple commercially viable and economic process for the preparation of tadalafil. Further the process of present invention provides tadalafil particulate having DsO between 50 and 190 micron.

No. of Pages : 19 No. of Claims : 20

(22) Date of filing of Application :25/07/2012

(21) Application No.2300/DEL/2012 A

(43) Publication Date : 16/10/2015

### (54) Title of the invention : ASYMMETRIC TOTAL SYNTHESIS OF (-)-VENLAFAXINE USING ORGANOCATALYST

(57) Abstract :

The invention relates to the synthesis of venlafaxine using an organo catalyst. Particularly the invention relates to the selective synthesis of one enantiomer of venlafaxine using the organocatalyst.

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

(22) Date of filing of Application :25/07/2012

(43) Publication Date : 16/10/2015

# (54) Title of the invention : ADVANCED HYBRID GEOPOLYMERIC FUNCTIONAL MATERIALS AND A PROCESS FOR THE PREPARATION THEREOF

		(71)Name of Applicant :
(51) International classification	:C08F	
(31) Priority Document No	:NA	Address of Applicant : ANUSANDHAN BHAWAN RAFI MARG
(32) Priority Date	:NA	NEW DELHI-110001 INDIA Delhi India
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)AMRITPHALE SUDHIR SITARAM
Filing Date	:NA	2)MISHRA DEEPTI
(87) International Publication No	: NA	3)CHOUHAN RAMESH KUMAR
(61) Patent of Addition to Application Number	:NA	4)MUDGAL MANISH
Filing Date	:NA	5)KHAN MOHAMMED AKRAM
(62) Divisional to Application Number	:NA	6)LAHIRI SWATI
Filing Date	:NA	7)CHANDRA NAVIN
č		8)MISHRA BARADA KANTA

(57) Abstract :

The present invention relates to development of a novel advanced hybrid geopolymeric functional materials possessing very broad application spectrum ranging from cementitious materials to advanced functional materials due to their Inorganic -Organic Hybrid matrix in contrary to the limited application of conventional geopolymeric materials due to their Inorganic matrix only. The invention further relates to a process for the preparation of these materials. The process obviates the need of sodium silicate which is one of the main raw material which is added externally in conventional geopolymerisation processes. Interestingly in the present invention the sodium silicate has been synthesized in -situ by designing of conditions for synergistic and simultaneous mechano - chemical reactions among the selected raw materials viz. industrial and agricultural wastes in alkaline environment. This results in the formation of Hybrid inorganic - organic frame work of sodium silicate which facilitates uniform dispersion of reacting species thus resulting in the formation of homogeneous geopolymeric matrix with improved characteristics.

No. of Pages : 26 No. of Claims : 14

(22) Date of filing of Application :09/04/2014

(21) Application No.1005/DEL/2014 A

(43) Publication Date : 16/10/2015

### (54) Title of the invention : A PROCESS FOR FIBRE OPENING IN LEATHER MAKING

(51) International classification	:A23L1/052	(71)Name of Applicant :
(31) Priority Document No	:NA	1)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH
(32) Priority Date	:NA	Address of Applicant : ANUSANDHAN BHAWAN RAFI MARG
(33) Name of priority country	:NA	NEW DELHI - 110 001 INDIA. Delhi India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)AMI MEHTA
(87) International Publication No	: NA	2)GLADSTONE CHRISTOPHER JAYAKUMAR
(61) Patent of Addition to Application Number	:NA	3)NISHTER NISHAD FATHIMA
Filing Date	:NA	4)BALARAMAN MADHAN
(62) Divisional to Application Number	:NA	5)JONNALAGADDA RAGHAVA RAO
Filing Date	:NA	6)BALACHANDRAN UNNI NAIR

(57) Abstract :

Disclosed herein is a process for fibre opening in leather making using ionic liquid. The invention is envisaged to eliminate environmental challenges of using lime combating the lack of skilled labors and the need for controlled environment required for application of enzymes. The invention is envisaged to have immense application in tanning industry for curtailing the pollution of lime thus ensuring fibre opening at a faster rate and focusing on cleaner leather process.

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

(22) Date of filing of Application :19/04/2012

(43) Publication Date : 16/10/2015

### (54) Title of the invention : PEELING ROLLER OF HULLER FOR THE PADDY GRAINS AND THE METHOD OF POWER TRANSMISSION OF ROLLER

(51) International classification	:B62D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CHOE JAE CHEON
(32) Priority Date	:NA	Address of Applicant :UNIT 1307-3RD BDG. SAMSUNG APT. 175-
(33) Name of priority country	:NA	1 O-RYU DONG JUNG-GU DAE-JON METRO CITY SOUTH KOREA
(86) International Application No	:NA	Republic of Korea
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:NA	1)CHOE JAE CHEON
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A rice huller is provided to reduce the inconvenience of checking the abrasion rate of the hulling rollers by maintaining the abrasion rate at the constant speed. The hulling rollers are installed to face each other and rotate to opposite direction. The hulling rollers are divided into two portions in the longitudinal direction with the diameters on one side smaller than that on the other side. The hulling rollers rotate to the same number of rotation. The hulling rollers rotate by the rotation of two motors.

No. of Pages : 32 No. of Claims : 9

(22) Date of filing of Application :31/07/2012

(21) Application No.2302/DEL/2012 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : IN SITU PH MANAGEMENT USING HYDROGEL AND APPLICATIONS THEREOF

(51) International classification	:C07C	(71)Name of Applicant :
(31) Priority Document No	:NA	1)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH
(32) Priority Date	:NA	Address of Applicant : ANUSANDHAN BHAWAN RAFI MARG
(33) Name of priority country	:NA	NEW DELHI-110001 INDIA Delhi India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MUGDHA CHETAN GADGIL
(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	

Т

(57) Abstract :

Technical field of invention: This invention relates to a hydrogel that manages and maintains pH in a cell culture media. The invention particularly discloses a hydrogel comprising a base for pH management and maintenance. The invention also discloses a method for pH management and maintenance using the hydrogel of the invention.

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

(22) Date of filing of Application :15/05/2015

(21) Application No.4150/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : AUTOMATIC MECHANICAL SYSTEM DIAGNOSIS

<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:14/10/2013 :WO 2014/064678 :NA :NA	2)SHAUL Gal
(62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract :

A method for automatic diagnosis of a mechanical system of a group of mechanical systems sharing mechanical characteristics includes obtaining data relating to a vibration. The vibration related data is acquired by a portable communications device configured to communicate with a remote processor. The processor automatically diagnoses the mechanical system by applying a relationship to the obtained vibration related data. The relationship is based on sets of vibration related data previously obtained from the mechanical systems. Each set of vibration related data relates to vibrations of a mechanical system. The relationship is further based on sets of operation data previously obtained for mechanical systems of the group. Each set of operation data indicates a previous state of operation of a mechanical system. Each of the previous states of operation is associated with at least one of the previously obtained sets of vibration related data.

No. of Pages : 30 No. of Claims : 20

(22) Date of filing of Application :15/05/2015

(21) Application No.4151/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : COMPOSITIONS COMPRISING S ADENOSYLMETHIONINE AND A GALLIC ACID ESTER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:A61K31/7076A61K31/235 :61/715138 :17/10/2012 :U.S.A. :PCT/CA2013/000876 :16/10/2013 :WO 2014/059522 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)METHYLATION SCIENCES INTERNATIONAL SRL Address of Applicant :Suite 10 Vista Villas Worthing Christ Church Barbados Barbados</li> <li>(72)Name of Inventor :</li> <li>1)GUAN Dechi</li> <li>2)MACDONALD David I.</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Provided herein are compositions and formulations comprising S adenosyl L methionine (SAM e or SAMe) and one or more gallic acid esters. Also provided herein are methods for improving the delivery of SAMe. Compositions and formulations provided herein increase SAMe plasma concentrations and area under the curve (AUC) values. Also provided herein are methods of treating a disease or disorder in a subject by administering compositions or formulations comprising exogenous SAMe and one or more gallic acid esters.

No. of Pages : 57 No. of Claims : 39

(22) Date of filing of Application :16/04/2012

(21) Application No.1176/DEL/2012 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : MOTOR-CUM-GENERATOR UNIT

(51) International classification	:H05K	(71)Name of Applicant :
(31) Priority Document No	:NA	1)International Centre for Automotive Technology
(32) Priority Date	:NA	Address of Applicant :Plot No. 26 Sector -3 IMT Manesar Gurgaon
(33) Name of priority country	:NA	- 122050 Haryana India. Haryana India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Afroz Ali Khan
(87) International Publication No	: NA	2)Aditi Sethi
(61) Patent of Addition to Application Number	:NA	3)Madhusudan Joshi
Filing Date	:NA	4)Dinesh Tyagi
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The disclosure describes design of a permanent magnet synchronous motor-cum-generator (MG) unit which acts as motor as well as generator under different conditions with high torque and high number of revolutions per minute in motoring mode and high power output in generating mode.

No. of Pages : 8 No. of Claims : 7

(22) Date of filing of Application :25/07/2012

(43) Publication Date : 16/10/2015

(54) Title of the invention : A MOUNTING SYSTEM FOR SEALING AND ALIGNING THE BURNER OF THE LAMP AT THE CENTRE OF ITS BASE

7J (71)Name of Applicant :
Address of Applicant :Prins Bernhardplein 200 1097 JB Amsterdam
The Netherlands. Netherlands
(72)Name of Inventor :
1)Lode Derhaeg
A 2)Frank Broeders
3)Marc Willems
4)James Hooker
5)Peter Derwael
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4

(57) Abstract :

A lamp having a longitudianl axis comprising of a burner pinched at one end and a cement less base holding the contact points protruding from the burner. At least one end of the burner is sealed and aligned at the centre of the base in an upright direction following the lamp axis by means of a spring clip which is mounted from the side of the pinch of the burner and does not interfere with the lead wires.

No. of Pages : 17 No. of Claims : 11

(22) Date of filing of Application :15/05/2015

(21) Application No.4147/DELNP/2015 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : DRUG DELIVERY CONJUGATES CONTAINING UNNATURAL AMINO ACIDS AND METHODS FOR USING

(51) International classification	:A61K31/522	(71)Name of Applicant :
(31) Priority Document No	:61/714565	1)ENDOCYTE INC.
(32) Priority Date	:16/10/2012	Address of Applicant :3000 Kent Avenue West Lafayette Indiana
(33) Name of priority country	:U.S.A.	47906 U.S.A.
(86) International Application No	:PCT/US2013/065079	(72)Name of Inventor :
Filing Date	:15/10/2013	1)VLAHOV Iontcho Radoslavov
(87) International Publication No	:WO 2014/062697	2)LEAMON Christopher Paul
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Described herein are drug delivery conjugates for targeted therapy. In particular described herein are drug delivery conjugates that include polyvalent linkers comprising one or more unnatural amino acids that are useful for treating cancers and inflammatory diseases. The invention described herein pertains to drug delivery conjugates for targeted therapy. In particular the invention described herein pertains to drug delivery conjugates that include polyvalent linkers comprising one or more unnatural amino acids.

No. of Pages : 176 No. of Claims : 46

(22) Date of filing of Application :15/05/2015

(21) Application No.4148/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : METHOD FOR TARGETED MODIFICATION OF ALGAE GENOMES

(31) Priority Document No:61/72(32) Priority Date:16/11(33) Name of priority country:U.S.A(86) International Application No:PCT//Filing Date:18/11	Address of Applicant :24 Cours Michelet F 92800 Puteaux FranceA.(72)Name of Inventor :1)DUCHATEAU Philippe
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(57) Abstract :

The invention relates to a method for modifying genetic material in algal cells that includes the use of rare cutting endonuclease to target specific genomic sequences. In particular the invention relates to a method for modifying genetic material in algal cells wherein rare cutting endonuclease especially a homing endonuclease or a TALE Nuclease is expressed over several generations to efficiently modify said target genome sequences.

No. of Pages : 93 No. of Claims : 45

(22) Date of filing of Application :15/05/2015

(21) Application No.4149/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : PAPER CURRENCY DISPENSING BOX

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:G07D11/00 :201210532429.6 :11/12/2012 :China :PCT/CN2013/078627 :02/07/2013 :WO 2014/089962 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)GRG BANKING EQUIPMENT CO. LTD. Address of Applicant :9 Kelin Road Science City Luogang District Guangzhou Guangdong 510663 China</li> <li>(72)Name of Inventor :</li> <li>1)GUO Zhijian</li> <li>2)ZENG Qingning</li> <li>3)LEI Yun</li> </ul>
ε	:NA :NA	

(57) Abstract :

A paper currency dispensing box used for paper currency storage and separation and discharge of a financial self service device. The paper currency dispensing box is provided with a box body (1) consisting of an upper cover (11) and a bottom case (12) a paper currency separating mechanism (5) disposed on an end portion of paper currency (07) for separating a whole stack of paper currency one by one a paper currency pressing mechanism (3) for pushing the whole stack of paper currency towards the paper currency separating mechanism and a limiting block (6) arranged to ensure single note separation of the whole stack of paper currency is performed so that the end portion of the whole stack of paper currency forms an acute angle state when separating characterized in that a paper currency picking wheel (511) and a paper currency separating wheel group (52) in the paper currency separating mechanism (5) are provided with one way bearings (512 522) at least one guide rib (62) is arranged on the surface of the limiting block (6) along the stacking direction of the paper currency (07) and the height of the guide rib (62) reduces along the paper currency discharge port direction.

No. of Pages : 31 No. of Claims : 10

(22) Date of filing of Application :09/04/2014

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : A MULTICHANNEL COMMUNICATION-INTERCEPTION RECEIVER

(51) International classification	:H04M3/22	(71)Name of Applicant :
(31) Priority Document No	:NA	1)THE DIRECTOR GENERAL DEFENCE RESEARCH &
(32) Priority Date	:NA	DEVELOPMENT ORGANISATION (DRDO)
(33) Name of priority country	:NA	Address of Applicant : Ministry of Defence Government of India
(86) International Application No	:NA	Room No. 348 B-wing DRDO Bhawan Rajaji Marg New Delhi-110105
Filing Date	:NA	India. Delhi India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)JILLELLAMUDI MANJULA
Filing Date	:NA	2)MANNEPALLI VENKATA RAVINDRA KUMAR
(62) Divisional to Application Number	:NA	3)KUMAR GAUTAM
Filing Date	:NA	4)LALIT KUMAR

<sup>(57)</sup> Abstract :

ABSTRACT A MULTICHANNEL COMMUNICATION-INTERCEPTION RECEIVER The present disclosure relates to a multi-channel communication interception receiver and a method of interception multi-channel signals using the same. The receiver comprises one or more RF tuners to receive and process the input RF signals in multiple communication channels. Each RF tuner is independently configured to down convert the received RF signal to IF signals having a predetermined frequency and transmit to the digital signal processor (DSP). The DSP comprises multiple communication channels to the communication channels. Each CCP comprises a two-stage digital down converters to further down convert the IF signals having zero-centered first predetermined frequency into IF signals centered at a second predetermined frequency. The CCP is configured to receive the digital IF signals estimate Fast Fourier transform (FFT) values detect active signals and record the output signals in parallel. The receiver may directly/indirectly be connected to communication electronic attack equipment if required. FIG. 1

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

(22) Date of filing of Application :15/05/2015

(21) Application No.4156/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : CURABLE LIQUID COMPOSITIONS

(51) International classification	:C09D5/00	(71)Name of Applicant :
(31) Priority Document No	:1222908.4	1)PQ SILICAS UK LIMITED
(32) Priority Date	:19/12/2012	Address of Applicant :Bank Quay 4 Liverpool Road Warrington
(33) Name of priority country	:U.K.	Cheshire WA5 1AQ U.K.
(86) International Application No	:PCT/GB2013/053360	(72)Name of Inventor :
Filing Date	:19/12/2013	1)MOREA Gemma
(87) International Publication No	:WO 2014/096831	2)MINIHAN Alan Reginald
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A curable liquid composition such as an alkyd paint or resin contains a binder curable by oxidative crosslinking a siccative compound for catalysing oxidative crosslinking of the binder and a matting agent. The matting agent is a precipitated silica with a surface area measured by BET of 250 m/g or less a precipitated metal silicate such as Ca Mg or Al silicate or a mixture and may be amorphous in nature. The siccative compound is a transition metal chelate complex comprising a ligand such as an iron or a manganese based chelate complex. The compositions are capable of oxidative curing within acceptable times to form a cured solid such as a coating having a matt finish.

No. of Pages : 48 No. of Claims : 24

(22) Date of filing of Application :15/05/2015

(21) Application No.4157/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : CONSOLIDATING SPACER FLUIDS AND METHODS OF USE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C09K8/40C09K8/60 :13/725833 :21/12/2012 :U.S.A	<ul> <li>(71)Name of Applicant :</li> <li>(71)Name of Applicant :</li> <li>(71)HALLIBURTON ENERGY SERVICES INC. Address of Applicant :10200 Bellaire Blvd. Houston Texas 77072</li> <li>U.S.A.</li> <li>(72)Name of Inventor :</li> <li>(72)Name of Inventor :</li></ul>
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(57) Abstract :

Disclosed are spacer fluids and methods of use in subterranean formations. Embodiments may include use of consolidating spacer fluids in displacement of drilling fluids from a well bore annulus.

No. of Pages : 44 No. of Claims : 73

#### (19) INDIA

(22) Date of filing of Application :15/05/2015

(43) Publication Date : 16/10/2015

### (54) Title of the invention : COATED ARTICLE WITH LOW E COATING INCLUDING ZINC OXIDE INCLUSIVE LAYER (S) WITH ADDITIONAL METAL(S)

(51) International classification	:C03C17/36	(71)Name of Applicant :
(31) Priority Document No	:13/680541	1)GUARDIAN INDUSTRIES CORP.
(32) Priority Date	:19/11/2012	Address of Applicant :2300 Harmon Road Auburn Hills MI 48326
(33) Name of priority country	:U.S.A.	1714 U.S.A.
(86) International Application No	:PCT/US2013/067004	(72)Name of Inventor :
Filing Date	:28/10/2013	1)IMRAN Muhammad
(87) International Publication No	:WO 2014/078062	2)BOYCE Brent
(61) Patent of Addition to Application Number	:NA	3)LEMMER Jean marc
Filing Date	:NA	4)FRANK Marcus
(62) Divisional to Application Number	:NA	5)XU Yongli
Filing Date	:NA	

(57) Abstract :

A coated article includes a coating such as a low emissivity (low E) coating supported by a substrate (e.g. glass substrate). The coating includes at least one dielectric layer including zinc oxide that is doped with another metal(s). The coating may also include one or more infrared (IR) reflecting layer(s) of or including material such as silver or the like for reflecting at least some IR radiation. In certain example embodiments the coated article may be heat treated (e.g. thermally tempered heat bent and/or heat strengthened). Coated articles according to certain example embodiments of this invention may be used in the context of windows including monolithic windows for buildings IG windows for buildings etc.

No. of Pages : 28 No. of Claims : 31

#### (19) INDIA

(22) Date of filing of Application :15/05/2015

(43) Publication Date : 16/10/2015

### (54) Title of the invention : COATED ARTICLE WITH LOW E COATING INCLUDING TIN OXIDE INCLUSIVE LAYER(S) WITH ADDITIONAL METAL(S)

(51) International classification	:C03C17/36	(71)Name of Applicant :
(31) Priority Document No	:13/680517	1)GUARDIAN INDUSTRIES CORP.
(32) Priority Date	:19/11/2012	Address of Applicant :2300 Harmon Road Auburn Hills MI 48326
(33) Name of priority country	:U.S.A.	1714 U.S.A.
(86) International Application No	:PCT/US2013/066739	(72)Name of Inventor :
Filing Date	:25/10/2013	1)IMRAN Muhammad
(87) International Publication No	:WO 2014/078054	2)BOYCE Brent
(61) Patent of Addition to Application Number	:NA	3)LEMMER Jean marc
Filing Date	:NA	4)FRANK Marcus
(62) Divisional to Application Number	:NA	5)XU Yongli
Filing Date	:NA	

(57) Abstract :

A coated article includes a coating such as a low emissivity (low E) coating supported by a substrate (e.g. glass substrate). The coating includes at least one dielectric layer including tin oxide that is doped with another metal(s). The coating may also include one or more infrared (IR) reflecting layer(s) of or including material such as silver or the like for reflecting at least some IR radiation. In certain example embodiments the coated article may be heat treated (e.g. thermally tempered heat bent and/or heat strengthened). Coated articles according to certain example embodiments of this invention may be used in the context of windows including monolithic windows for buildings IG windows for buildings etc.

No. of Pages : 38 No. of Claims : 54

(22) Date of filing of Application :19/04/2012

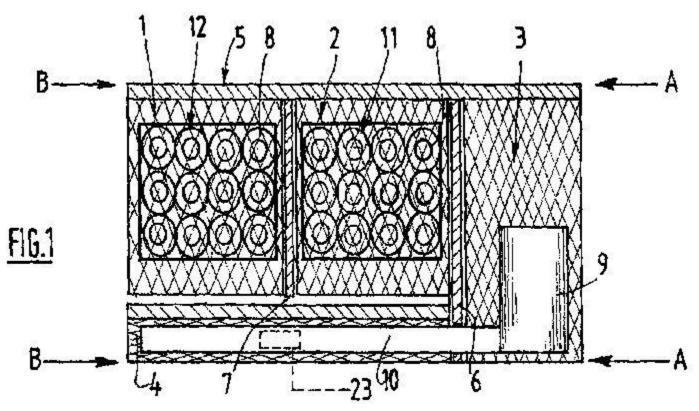
(43) Publication Date : 16/10/2015

(54) Title of the invention : INSTALLATION FOR PRODUCING AND SUPPLYING ELECTRICITY INCLUDING A FUEL CELL

(51) International classification	.U05V	(71)Name of Applicant :
(31) Priority Document No	:NA	
		1)L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET
(32) Priority Date		L'EXPLOITATION DES PROCEDES GEORGES CLAUDE
(33) Name of priority country	:NA	Address of Applicant :75 QUAI D'ORSAY 75007 PARIS FRANCE
(86) International Application No	:NA	France
Filing Date	:NA	2)AIR LIQUIDE INDIA HOLDING PRIVATE LIMITED
(87) International Publication No	:NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)BINOIST MANUEL
Filing Date	:NA	2)KULSHRESHTHA SACHIN
(62) Divisional to Application Number	:NA	3)SANGLAN PATRICK
Filing Date	:NA	

#### (57) Abstract :

Installation for producing and supplying electricity including a fuel cell (9) a device (10 11 12) for supplying gaseous hydrogen to the fuel cell (9) the device (10 11 12) for supplying gaseous hydrogen comprising at least a bundle (11 12) of a plurality of pressurized hydrogen cylinders (8) a control casing (10) the control casing (10) containing circuit for controlling and supplying the gas taken from the bundle(s) (11 12) of cylinders (8) to the fuel cell (9) the circuit being selectively connected to the bundle(s) (11 12) of cylinders (8) and to the fuel cell (9) and comprising at least a pressure regulator (23) the installation being arranged on a base (100) characterized in the that the base (100) includes a modular structure comprising a first tray (1) supporting a first bundle (12) of cylinders (8) a second tray (2) supporting a second bundle (11) of cylinders (8) a third tray (3) supporting the fuel cell (9) the first (1) the second (2) and the third (3) trays being different entities put side by side and being elevated with regard to the soil via respective legs (18) first (1) and second trays (2) forming supports surface which are situated in a plan different from the plan of the third (3) tray that is to say at a different height with regard to the soil.



No. of Pages : 15 No. of Claims : 12

(22) Date of filing of Application :12/06/2012

(21) Application No.1799/DEL/2012 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : SYSTEM AND METHOD OF GROWING MULTIPLE PLANTS FOR CLEANING INDOOR AIR DAY & NIGHT

(51) International classification	:A47J	(71)Name of Applicant :
(31) Priority Document No	:NA	1)VISHWA KAMAL MEATTLE
(32) Priority Date	:NA	Address of Applicant :26A PRITHVIRAJ ROAD N.DELHI-110011
(33) Name of priority country	:NA	Delhi India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)VISHWA KAMAL MEATTLE
(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 relates to a system and method for growing multiple plants for indoor air purification. The system consists of a container in which at least two or more than two different types1 conditons of plants can be grown. The different types of plant are such as day/ night plants are grown together in the same container simultaneously. The system is an effective indoor air purification system which works both during day and night.

No. of Pages : 16 No. of Claims : 10

(22) Date of filing of Application :15/05/2015

(21) Application No.4164/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : ACTIVE MATRIX DISPLAY WITH DUAL DRIVING MODES (51) International classification :G02F1/01G02B26/00 (71)Name of Applicant : (31) Priority Document No **1)E INK CORPORATION** :61/727639 (32) Priority Date :16/11/2012 Address of Applicant :1000 Technology Park Drive Billerica (33) Name of priority country Massachusetts 01821 U.S.A. :U.S.A. (86) International Application No :PCT/US2013/070226 (72)Name of Inventor : Filing Date :15/11/2013 1)AMUNDSON Karl Raymond (87) International Publication No :WO 2014/078616 (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

An active matrix electro optic display (100) includes capacitor electrodes (110 112) associated with the pixel electrodes (106 108) so that the pixel electrode and its associated capacitor electrode form a capacitor. The display (100) also includes switching means (120) having one position in which each capacitor electrode (110 112) is electrically connected to the light transmissive front electrode (102) of the display (100) and a second position in which each capacitor electrode (110 112) is electrically connected to a voltage source having a voltage independent of the voltage on the light transmissive electrode.

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

(22) Date of filing of Application :15/05/2015

(21) Application No.4165/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : DISC TUMBLER CYLINDER LOCK AND KEY COMBINATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:E05B29/00E05B21/06 :20126160 :07/11/2012 :Finland :PCT/FI2013/050733 :04/07/2013 :WO 2014/072570 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ABLOY OY <ul> <li>Address of Applicant :Wahlforssinkatu 20 FI 80100 Joensuu Finland</li> <li>(72)Name of Inventor :</li> <li>1)MALINEN Perttu</li> </ul> </li> </ul>
Filing Date	:NA :NA	

(57) Abstract :

The rotation limiter disc means (10) of a disc tumbler cylinder lock key combination are arranged to be rotated by a key (11) wherein the rotation limiting means have no pieces non rotatably attached to the inner cylinder (1). The rotation limiter disc means (10) are composed of a frame piece (10B) and a limiter piece (10A). The frame piece (10B) is a circular disc having an opening (53) in the middle of the disc. The opening extends up to the border (52) of the disc widening towards the border and to the section on the wider side of the opening is disposed a limiter piece (10A). On the inner surface (62) of the inner cylinder (1) is a recess (25) at the site of the limiter disc means (10). The key (11) has at least one bevel edged cavity (12).

No. of Pages : 19 No. of Claims : 14

(22) Date of filing of Application :18/04/2012

(21) Application No.1204/DEL/2012 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : SHIKHAR TECHNOLOGY

(51) International classification	:A61M	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SURESH CHAND JAIN
(32) Priority Date	:NA	Address of Applicant :OFFICE-1 POCKET-3 SECTOR-7 DWARKA
(33) Name of priority country	:NA	NEW DELHI-110075 Delhi India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SURESH CHAND JAIN
(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 :

SHIKHAR TECHNOLOGY

No. of Pages : 14 No. of Claims : 1

(22) Date of filing of Application :25/07/2012

(21) Application No.2299/DEL/2012 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : A METHOD FOR PRODUCING AN ENVIRONMENTALLY SAFE HARDENED PRODUCT

(51) International classification	:C07C	(71)Name of Applicant :
(31) Priority Document No	:NA	1)HARISH KANDHARI
(32) Priority Date	:NA	Address of Applicant :404 KALPTARU APARTMENTS BAN
(33) Name of priority country	:NA	BAGH NEW FATEHPURA UDAIPUR-313001 RAJASTHAN.
(86) International Application No	:NA	Rajasthan India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)HARISH KANDHARI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		·

(57) Abstract :

The invention is directed towards a method for producing an environmentally safe hardened product in which solidifiable acidic or alkaline wastes containing water soluble environmental pollutants are treated with a tested quantity of neutralizing and setting agents that converts the pollutants into a water-insoluble hardened mass wherein the method comprises: (a) mechanically mixing coal fly ashes furnace slags acidic and alkaline wastes and (b) preferably adding supplements under controlled conditions.

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

(22) Date of filing of Application :15/05/2015

(21) Application No.4160/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : TOPICAL STEROID COMPOSITION AND METHOD

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(33) Name of priority country</li> <li>(33) Name of priority country</li> <li>(34) Name of priority country</li> <li>(35) Name of priority country</li> <li>(36) International Application No</li> <li>(37) International Publication No</li> <li>(387) International Publication No</li> <li>(39) Priority Date</li> <li>(31) Patent of Addition to Application Number</li> <li>(31) Patent of Addition to Application Number</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(34) Priority Country</li> <li>(35) Name of priority country</li> <li>(36) International Publication No</li> <li>(36) Patent of Addition to Application Number</li> <li>(37) Name of Application Number</li> <li>(38) Name of Application Number</li> <li>(39) Priority Country</li> <li>(30) Priority Country</li> <li>(31) Priority Country</li> <li>(31) Priority Country</li> <li>(31) Priority Country</li> <li>(32) Priority Called Application Number</li> <li>(33) Name of priority country</li> <li>(34) Priority Called Application Number</li> <li>(35) Priority Called Application Number</li> <li>(36) Priority Country</li> <li>(37) Priority Called Application Number</li> <li>(38) Priority Called Application Number</li> <li>(39) Priority Called Application Number</li> <li>(31) Priority Called Application Number</li> <li>(31) Priority Called Application Number</li> <li>(32) Priority Called Application Number</li> <li>(33) Priority Called Application Number</li> <li>(34) Priority Called Application Number</li> <li>(35) Priority Called Application Number</li> <li>(36) Priority Called Application Number</li> <li>(37) Priority Called Application Number</li> <li>(38) Priority Called Application Number</li> <li>(39) Priority Called Application Number</li> <li>(31) Priority Called Application Priority Cal</li></ul>	025
(62) Divisional to Application Number :NA Filing Date :NA	

(57) Abstract :

Storage stable topical lotion compositions for treating corticosteroid responsive dermatoses are provided by the present invention which include a halobetasol material comprising halobetasol or its pharmaceutically acceptable salts esters and solvates; and a pharmaceutically acceptable carrier which includes: (a) one or more fatty alcohols and/or one or more alkoxylated fatty alcohols (b) one or more polyol humectants and (c) diisopropyl adipate. Storage stable topical lotion compositions for treating corticosteroid responsive dermatoses are provided by the present invention which include 0.05% halobetasol propionate; and a pharmaceutically acceptable carrier which includes: (a) one or more fatty alcohols and/or one or more alkoxylated fatty alcohols (b) one or more fatty alcohols and/or one or more alkoxylated fatty alcohols (b) one or more fatty alcohols and/or one or more alkoxylated fatty alcohols (b) one or more fatty alcohols and/or one or more alkoxylated fatty alcohols (b) one or more fatty alcohols and/or one or more alkoxylated fatty alcohols (b) one or more fatty alcohols and/or one or more alkoxylated fatty alcohols (b) one or more fatty alcohols and/or one or more alkoxylated fatty alcohols (b) one or more fatty alcohols (b) one or more polyol humectants and (c) diisopropyl adipate.

No. of Pages : 44 No. of Claims : 31

(22) Date of filing of Application :15/05/2015

(21) Application No.4161/DELNP/2015 A

(43) Publication Date : 16/10/2015

### (54) Title of the invention : OSMOTIC FLOATING TABLETS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:A61K9/00A61K9/20A61K9/28 :3222/DEL/2012 :16/10/2012 :India :PCT/IB2013/059374	<ul> <li>(71)Name of Applicant :</li> <li>1)RANBAXY LABORATORIES LIMITED Address of Applicant :Head Office: 12th Floor Devika Tower 06 Nehru Place New Delhi Delhi 110019 Delhi India</li> <li>(72)Name of Inventor :</li> </ul>
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:15/10/2013 :WO 2014/060952 :NA :NA :NA	1)KUMAR Varinder 2)AHMAD Shavej 3)SINGH Romi Barat 4)SINGLA Ajay Kumar

(57) Abstract :

The present invention relates to an osmotic floating tablet comprising: (i) an inner core comprising a drug one or more low density polymers and one or more pharmaceutically acceptable excipients; and (ii) an outer osmotic coating surrounding the inner core that is substantially permeable to surrounding fluids and substantially impermeable to the drug. The present invention also relates to processes for the preparation of said tablets.

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

(21) Application No.4162/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/05/2015

(43) Publication Date : 16/10/2015

## (54) Title of the invention : MOBILE COMMUNICATION SYSTEM BASE STATION COMMUNICATION METHOD AND NONTEMPORARY COMPUTER READABLE MEDIUM ON WHICH PROGRAM HAS BEEN STORED

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:H04W16/08H04W52/02H04W92/20 :2012260717 :29/11/2012 :Japan :PCT/JP2013/004262 :10/07/2013 :WO 2014/083720 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)NEC CORPORATION <ul> <li>Address of Applicant :7 1 Shiba 5 chome Minato ku Tokyo 1088001</li> </ul> </li> <li>Japan <ul> <li>(72)Name of Inventor :</li> <li>1)SHINDO Masato</li> </ul> </li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The objective of the invention is to provide a mobile communication system a base station a communication method and a program that can cause each of a plurality of cells to transition to an energy saving cell or a compensation cell while minimizing the occurrence of interference state. A mobile communication system of the invention comprises: a base station (10) having a cell (1); and a base station (20) having a cell (2). The base station (10) of the invention transmits to the base station (20) first information indicating that the cell (1) is ready to move to an energy saving state.

No. of Pages : 46 No. of Claims : 19

(22) Date of filing of Application :15/05/2015

(21) Application No.4163/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : SECURE INFORMATION TRANSFER VIA BAR CODES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:13/656863 :22/10/2012 :U.S.A. :PCT/US2013/061819 :26/09/2013 :WO 2014/065982 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)MOTOROLA MOBILITY LLC Address of Applicant :600 North US Highway 45 Libertyville Illinois 60048 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)DHARAWAT Parikshit</li> <li>2)GAN Su Yin</li> <li>3)SATPATHY Ansuman Tapan</li> </ul>
(61) Patent of Addition to Application Number	:NA	
<ul><li>(62) Divisional to Application Number</li><li>Filing Date</li></ul>	:NA :NA	

(57) Abstract :

A method for providing a document (175) using a secure bar code (180) includes encrypting the document (175) to generate an encrypted document (175) and mixing together bits for a security credential (190) with bits for the encrypted document (175) to generate a set of mixed bits having a predetermined order. The security credential (190) is for decrypting the encrypted document (175). The method further includes inserting the set of mixed bits into the secure bar code (180) and outputting the secure bar code (180). A bar code reader (115) knows the predetermined order and is configured to read the secure bar code (180). The bar code reader (115) may also be configured to un mix the mixed bits based on the predetermined order and decrypt the encrypted document (175) with the security credential (190).

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

(22) Date of filing of Application :15/05/2015

(21) Application No.4166/DELNP/2015 A

(43) Publication Date : 16/10/2015

(51) International classification	:A61B17/68	(71)Name of Applicant :
(31) Priority Document No	:61/726797	1)SYNTHES GMBH
(32) Priority Date	:15/11/2012	Address of Applicant :Eimattrstrasse 3 CH 4436 Oberdorf
(33) Name of priority country	:U.S.A.	Switzerland
(86) International Application No	:PCT/US2013/069559	(72)Name of Inventor :
Filing Date	:12/11/2013	1)MEMMOLO Marcello
(87) International Publication No	:WO 2014/078265	2)WHEELER Kurtis
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (54) Title of the invention : LOCKING MEMBER FOR A BONE FIXATION DEVICE

(57) Abstract :

A locking member for a bone fixation device can include a locking body that defines an outer surface an opposed bone contacting surface and a slot that extends from the bone contacting surface to the outer surface. The locking member can further include at least one locking tooth that extends into the slot and a biasing member that extends into the slot and defines an abutment surface that faces the at least one locking tooth. The slot can be configured to receive a toothed member along an insertion direction and the biasing member can be configured to bias the toothed member toward the at least one locking tooth such that at least one tooth of the toothed member engages the at least one locking tooth of the locking member so as to prevent the toothed member from translating through the slot along a direction that is opposite the insertion direction.

No. of Pages : 42 No. of Claims : 38

(22) Date of filing of Application :15/05/2015

(21) Application No.4167/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : THERMOPLASTIC COMPOSITE AND ITS MANUFACTURING

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:PCT/US2013/070037 :14/11/2013 :WO 2014/078499	<ul> <li>1)BAYER MATERIALSCIENCE LLC Address of Applicant :100 Bayer Road Pittsburgh PA 15205 9741</li> <li>U.S.A.</li> <li>2)BAYER MATERIALSCIENCE TAIWAN LTD.</li> <li>3)COMPLAM MATERIAL CO. LTD.</li> <li>(72)Name of Inventor :</li> <li>1)LIU Zhizhong</li> <li>2)CHANG Hsu Chang</li> </ul>
Filing Date	:NA	3)SOONG Szesu
(62) Divisional to Application Number	::NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a roll to roll continuous manufacturing process for producing a thermoplastic composite laminate comprising extruding a thermoplastic resin into a film article surface treating a woven fiber cloth material with a thermoplastic sizing and laminating at least one layer of thermoplastic film and at least one layer of the surfaced treated fiber cloth material into a composite sheet at a temperature above the melting or softening point of thermoplastic film and under pressure applied by nipping rolls or nipping belts.

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

(19) INDIA

(22) Date of filing of Application :15/05/2015

#### (43) Publication Date : 16/10/2015

(54) Title of the invention : METHOD AND SYSTEM FOR INSERTING AN INSERT ELEMENT INTO A PANEL PRODUCT THE PANEL PRODUCED THEREBY AND METHOD AND SYSTEM FOR PERFORMING A TENSILE TEST ON THE INSERTED INSERT ELEMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:B29C65/00B64C1/06F16B5/01 :NA :NA :NA :PCT/EP2012/070549 :17/10/2012 :WO 2014/060027 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)RUAG SCHWEIZ AG Address of Applicant :Schaffhauserstrasse 580 CH 8052 Z¼rich Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)K–GL Stefan</li> </ul>
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#### (57) Abstract :

In a method and a system for producing a panel product device (10) in which a panel pre product (11) is provided comprising at least one recess (12) formed in a panel surface (13) and having a delimitation (14) and at least one insert element (20) is provided intended for anchoring in at least one of the recesses (12) the system comprises automated means (40 140; 110 86) for inserting the insert element (20) into the recess (12) in the panel pre product (11) and automated means (100 104 106) for filling an intermediate space (16) between the insert element (20) and the delimitation (14) of the recess (12) with a curable or curing filling fluid (15). In a method and a system for testing the loading resistance of the connection between the insert element (20) and the recess (12) in the panel surface (13) of the panel pre product (11) a variable tensile testing force (118) is applied in an automated manner to the insert element (20) up to a predetermined tensile testing force. Finally a set of auxiliary assembly tools for use in the production method or system is provided comprising a covering and positioning device (40 140) for inserting and positioning the insert element (20) in the recess (12) and a connecting device (60) for releasably connecting the insert element (20) to the covering and positioning device (40 140).

No. of Pages : 61 No. of Claims : 69

(22) Date of filing of Application :15/05/2015

(21) Application No.4169/DELNP/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : CATHETER WITH MARKINGS TO FACILITATE ALIGNMENT

(51) International classification	:A61M25/01	(71)Name of Applicant :
(31) Priority Document No	:61/747416	1)CLEARSTREAM TECHNOLOGIES LIMITED
(32) Priority Date	:31/12/2012	Address of Applicant : Moyne Upper Enniscorthy County Wexford
(33) Name of priority country	:U.S.A.	Ireland
(86) International Application No	:PCT/IB2013/003054	(72)Name of Inventor :
Filing Date	:31/12/2013	1)KLOCKE Stephanie
(87) International Publication No	:WO 2014/102608	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

For treating a treatment area in the vasculature this disclosure relates to a first pre dilatation catheter having a first shaft including a first distal portion adapted for positioning at the treatment area and a first proximal portion including a first marking at a first location. A second dilatation catheter includes a second shaft including a second distal portion adapted for positioning at the treatment area and a second distal portion including a first treatment area and a second marking at a second location substantially matching a first location of the first marking. Related methods are disclosed.

No. of Pages : 19 No. of Claims : 25

(22) Date of filing of Application :15/05/2015

(21) Application No.4174/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : IMPROVED SHAKER TABLE WITH INERTIAL GAS/FLUID SEPARATION MEANS

(51) International classification	:B07B1/28	(71)Name of Applicant :
(31) Priority Document No	:2793233	1)FP MARANGONI INC.
(32) Priority Date	:23/10/2012	Address of Applicant :c/o Western Oilfield Equipment Ltd. Suite 240
(33) Name of priority country	:Canada	2207 4th Street S.W. Calgary AB T2S 1X1 Canada
(86) International Application No	:PCT/CA2013/050803	(72)Name of Inventor :
Filing Date	:23/10/2013	1)CUNNINGHAM Alvin
(87) International Publication No	:WO 2014/063251	2)HAMMOND Craig
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An apparatus and method for use in a solids control system to separate drilling fluid from drill cuttings. The apparatus comprises at least one shaker screen for supporting drilling fluid contaminated drill cuttings within a shaker; a vacuum system operatively connected to at least a portion of the at least one shaker screen effective to draw air and/or drilling fluid through the at least one shaker screen; and at least one inertial gas liquid separation device operatively connected to the vacuum system effective to remove liquid particles from a gas liquid stream within the vacuum system. A method for operating the apparatus within a shaker system is also described.

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

(22) Date of filing of Application :15/05/2015

(21) Application No.4175/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : COMBINATION THERAPY

(51) International classification	:A61K31/506A61P35/00	(71)Name of Applicant :
(31) Priority Document No	:61/723474	1)NOVARTIS AG
(32) Priority Date	:07/11/2012	Address of Applicant :Lichtstrasse 35 CH 4056 Basel Switzerland
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/US2013/068691	1)SHENG Qing
Filing Date	:06/11/2013	2)WANG Hui Qin
(87) International Publication No	:WO 2014/074580	3)LI Fang
(61) Patent of Addition to Application Number	:NA	4)LIANG Jinsheng
Filing Date	:NA	5)CAO Zhu Alexander
(62) Divisional to Application Number	:NA	6)MONAHAN John
Filing Date	:NA	7)VERSACE Richard

(57) Abstract :

A pharmaceutical combination comprising (a) a compound of formula (I) [Chemical formula should be inserted here as it appears on Abstract in paper form] or pharmaceutically acceptable salts thereof; and (b) one or more at least one compound targeting decreasing or inhibiting the intrinsic ATPase activity of Hsp90 and/or degrading targeting decreasing or inhibiting the Hsp90 client proteins via the ubiquitin proteosome pathway; the uses of such combination in the treatment or prevention of proliferative disease; and methods of treating a subject suffering from a proliferative disease comprising administering a therapeutically effective amount of such combination.

No. of Pages : 47 No. of Claims : 15

(22) Date of filing of Application :15/05/2015

(21) Application No.4176/DELNP/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : TERMITE RESISTANT PIPE

(51) International classification	:F16L9/147F16L57/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ABU DHABI POLYMERS CO. LTD (BOROUGE) LLC.
(32) Priority Date	:NA	Address of Applicant :Sheikh Khalifa Energy Complex P. O. Box
(33) Name of priority country	:NA	6925 Corniche Road Abu Dhabi U.A.E.
(86) International Application No	:PCT/CN2012/087759	2)BOREALIS AG
Filing Date	:28/12/2012	(72)Name of Inventor :
(87) International Publication No	:WO 2014/101076	1)WANG Cindy
(61) Patent of Addition to Application Number	:NA	2)WALTON David
Filing Date	:NA	3)NILSSON Anette
(62) Divisional to Application Number	:NA	4)MOTHA Kshama
Filing Date	:NA	5)HEDESIU Cristian

(57) Abstract :

Provided is a termite resistant multilayer pipe. The pipe is a polyethylene pipe comprising: a) at least one layer (A) comprising an ethylene polymer and b) at least one outer layer (B) comprising the polymer said polymer being different to the ethylene polymer of the at least on layer (A) wherein the outer layer (B) has a shore D hardness measured according to ISO 868 of at least 60.

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

(19) INDIA

(22) Date of filing of Application :15/05/2015

(21) Application No.4177/DELNP/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : MOTOR VEHICLE LOCK WITH POSITION DETECTION MEANS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:E05B81/68E05B81/64E05B85/26 :10 2012 020 845.6 :24/10/2012 :Germany :PCT/DE2013/000552 :27/09/2013 :WO 2014/063668 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)KIEKERT AKTIENGESELLSCHAFT Address of Applicant :Hseler Platz 2 42579 Heiligenhaus Germany (72)Name of Inventor : 1)FUCHS Carsten 2)BARMSCHEIDT Christian</li></ul>
Filing Date (62) Divisional to Application Number Filing Date		
I ming Dute	.1 12 8	

(57) Abstract :

The invention relates to a lock for a motor vehicle comprising a locking mechanism that includes a rotary catch and a pawl and position detection means. The aim of the invention is to further develop a lock of said type. Said aim can be achieved in that the locking mechanism of the claimed lock comprises position detection means which can be actuated by a lever which can influence the position of a pawl. As said lever is generally arranged particularly close to a housing wall for the lock electrical conductor tracks of the position detection means are reduced. Alternatively or supplementary position detection means are arranged outside of a rotary plane of the rotary latch and/or the pawl which can be actuated by the position detection. Normally a space is provided outside of the respective rotary plane. Said space is therefore used in addition.

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

(22) Date of filing of Application :15/05/2015

(43) Publication Date : 16/10/2015

# (54) Title of the invention : FUNCTIONALIZED POLYMER COMPOSITIONS AND FILMS FORMED FROM THE SAME

<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No Filing Date</li></ul>	:PCT/US2013/032459 :15/03/2013 :WO 2014/070237	<ul> <li>(71)Name of Applicant :</li> <li>1)DOW GLOBAL TECHNOLOGIES LLC Address of Applicant :2040 Dow Center Midland MI 48674 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)ONER DELIORMANLI Didem</li> <li>2)WALTHER Brian W.</li> <li>3)PATEL Rajen M.</li> <li>4)BUNKER Gregory</li> <li>5)GARNETT John W.</li> </ul>
		SJGARNETT John W.

(57) Abstract :

The invention provides a composition comprising at least the following: A) an anhydride and/or carboxylic acid functionalized ethylene/alpha olefin interpolymer having the following properties: i) a melt viscosity  $(177^{\circ}C)$  less than or equal to 200 000 cP ii) a density from 0.855 to 0.900 g/cc; B) an ethylene based polymer; and C) a polar polymer.

No. of Pages : 35 No. of Claims : 15

(22) Date of filing of Application :15/05/2015

(21) Application No.4183/DELNP/2015 A

(43) Publication Date : 16/10/2015

### (54) Title of the invention : HYBRID VEHCILE AND VEHICLE

(51) International classification	:G06F19/00	(71)Name of Applicant :
(31) Priority Document No	:2007-000113	1)TOYOTA JIDOSHA KABUSHIKI KAISHA
(32) Priority Date	:04/01/2007	Address of Applicant :1 Toyota-cho Toyota-shi Aichi-ken 471-8571
(33) Name of priority country	:Japan	Japan Japan
(86) International Application No	:PCT/JP2007/075437	(72)Name of Inventor :
Filing Date	:28/12/2007	1)FUJITAKE Yoshinori
(87) International Publication No	: NA	2)SAWADA Hiroki
(61) Patent of Addition to Application Number	:NA	3)MIZUTANI Atsushi
Filing Date	:NA	
(62) Divisional to Application Number	:4816/DELNP/2009	
Filed on	:28/12/2007	

(57) Abstract :

A hybrid vehicle includes a fuel tank (201) an internal combustion engine (4) a fueling unit (213) that is conneciable to a fuel-supply connection unit (191) and can supply fuel received from the fuel-supply connection unit (191) to fuel tank (201) motor generators (MGI and MG2) that can supply a motive power to wheels (2F and 2R) a power storage unit (B) that can store an electric power to be supplied to the motor generators (MGI and MG2) and an electric power input/output unit (90) that can be connected to an electric connection unit (190) and is capable of supplying the electric power to the power storage unit (B) via the electric connection unit (190) and/or externally supplying the electric power storage unit (B) via the electric power input/output unit (90). The electric power input/output unit (90) and the fueling unit (213) are arranged on the same side surface (IOOB) of the vehicle.

No. of Pages : 51 No. of Claims : 7

(22) Date of filing of Application :15/05/2015

(21) Application No.4184/DELNP/2015 A

(43) Publication Date : 16/10/2015

### (54) Title of the invention : STORAGE DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)MEDITECH ENDOSCOPY LIMITED Address of Applicant :18 South Street Chesterfield Derbyshire S40 1QX U.K. </li> <li>(72)Name of Inventor : 1)RAMSEY Peter </li> </ul>
Filing Date	:NA	

(57) Abstract :

The present invention relates to a kit and method for the storage and transportation of medical equipment in particular endoscopes. A method of storing medical equipment using a kit comprising a bag made from a flexible plastics material a first closure device for securing the bag closed and a second closure device for securing the bag closed comprises: a)placing an item of medical equipment in a first clean state within the bag; b)securing the bag closed with the first closure device; c)removing the first closure device; d)removing the medical equipment from the bag for use; e)placing said used medical equipment in a second dirty state in the bag; and f)securing the bag closed with the second closure device such that the bag is sealed to retain moisture within the bag.

No. of Pages : 21 No. of Claims : 22

(22) Date of filing of Application :15/05/2015

(21) Application No.4185/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : METHOD FOR MANUFACTURING SEALING DEVICE AND SEALING DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:F16J15/18 :2012238900 :30/10/2012 :Japan :PCT/JP2013/052252 :31/01/2013	<ul> <li>(71)Name of Applicant :</li> <li>1)NOK CORPORATION Address of Applicant :12 15 Shiba Daimon 1 chome Minato ku Tokyo 1058585 Japan (72)Name of Inventor : 1)SATO Hiroaki</li></ul>
(87) International Publication No (61) Patent of Addition to Application Number	:WO 2014/068999 :NA	2)MORIO Akira 3)SHOJIMA Daihachi
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

### (57) Abstract :

Provided are: a method for manufacturing a sealing device the method being configured so that even if the sealing device has an annular inner peripheral protrusion on the inner peripheral side thereof the method can increase manufacturing efficiency and enables cutting off operation with high positional accuracy; and a sealing device which has increased sliding performance and which is less likely to break. A method for manufacturing a sealing device is provided with: a step for forming a cylindrical formed body (100a) consisting of a rubber like elastic body the formed body (100a) having circular cylinder surfaces (130) and annular outer peripheral protrusions (110) the circular cylinder surfaces (130) and the annular outer peripheral protrusions (110) being formed and arranged alternately on the outer peripheral side of the formed body (100a) the formed body (100a) also having circular cylinder surfaces and annular inner peripheral protrusions the circular cylinder surfaces on the outer peripheral side and the circular cylinder surfaces on the inner peripheral side of the formed body (100a) the circular cylinder surfaces on the outer peripheral side and the circular cylinder surfaces on the inner peripheral side being arranged so as to be located at the same positions in the axial direction; and a cutting step for cutting off the formed body (100a) at each of the circular cylinder surfaces (130) on the outer peripheral side.

No. of Pages : 35 No. of Claims : 10

(22) Date of filing of Application :11/04/2014

(21) Application No.1021/DEL/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : A PRESSURE AND VACUUM RELIEF VALVE

(51) International classification	:A61M39/24	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ARUN KUMAR SINHA
(32) Priority Date	:NA	Address of Applicant :14 RAM KISHOR ROAD CIVIL LINES
(33) Name of priority country	:NA	DELHI - 110054 INDIA. Delhi India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)ARUN KUMAR SINHA
(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	
		A

(57) Abstract :

A pressure and vacuum relief valve comprising a body having a central passage provided therein. A chamber is provided in the central passage to accommodate a baffle assembly provided to facilitate release of pressure from an enclosed mechanical environment to atmosphere and allow suction of air from the atmosphere into the enclosed mechanical environment. At least one baffle means is provided in the central passage below the chamber such that to act as barrier in the flow of oil vapours coming out from the enclosed mechanical environment. Threads are provided at lower end of the body to facilitate securing of the pressure and vacuum relief valve with the enclosed mechanical environment. A spring loaded cap being provided to cover top end of the body. In one embodiment a filter assembly is provided to cover the cap such that filter to filter the air sucked in and oil vapours coming out of the enclosed mechanical environment.

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

(22) Date of filing of Application :15/05/2015

(21) Application No.4191/DELNP/2015 A

# (43) Publication Date : 16/10/2015

(54) Title of the invention : A SENSOR COMPRISING A SUBSTRATE			
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G01L9/00G01L9/04G01L19/06 :PA 2012 00800 :17/12/2012 :Denmark :PCT/DK2013/050400 :28/11/2013 :WO 2014/094777 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)DANFOSS A/S <ul> <li>Address of Applicant :Nordborgvej 81 DK 6430 Nordborg Denmark</li> <li>(72)Name of Inventor :</li> <li>1)MATZEN Steen Moellebjerg</li> </ul> </li> </ul>	

(57) Abstract :

A sensor (1) comprising an n dosed/p dosed substrate (2) and a Wheatstone bridge (3) arranged on the substrate (2) is disclosed. A field shield (4) is arranged on the substrate (2) in such a manner that the field shield (4) covers the Wheatstone bridge (3). A quasi DC voltage is supplied to the Wheatstone bridge (3) and a DC voltage is supplied to the substrate (2) the level of said DC voltage being higher/lower than or equal to the quasi DC voltage supplied to the Wheatstone bridge (3). A voltage may be supplied to the field shield (4) the level of said voltage being higher/lower than or equal to the quasi DC voltage supplied to the Wheatstone bridge (3).

No. of Pages : 18 No. of Claims : 14

(22) Date of filing of Application :15/05/2015

(21) Application No.4192/DELNP/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : SOLID STATE IMAGE PICKUP ELEMENT

(51) International classification (31) Priority Document No (32) Priority Date	:H01L27/146H04N5/369H04N5/374 :2012232422 :19/10/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)NIKON CORPORATION</li> <li>Address of Applicant :12 1 Yurakucho 1 chome Chiyoda ku Tokyo</li> </ul>
(32) Filolity Date (33) Name of priority country	:Japan	1008331 Japan
(86) International Application No	:PCT/JP2013/078483	(72)Name of Inventor :
Filing Date	:21/10/2013	1)SUZUKI Satoshi
(87) International Publication No	:WO 2014/061820	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

This solid state image pickup element is provided with: a pixel section having a first pixel in which a first photoelectric conversion section and a second photoelectric conversion section are aligned with each other in the first direction and a second pixel in which a third photoelectric conversion section are aligned with each other in the second direction; and first to fourth transfer gates which transfer signal charges generated by means of the first to the fourth photoelectric conversion sections. At least one transfer gate among the first to the fourth transfer gates has different gate width and/or gate length and/or disposed position such that voltage conversion efficiencies of first to fourth charge voltage conversion sections are equal to each other.

No. of Pages : 28 No. of Claims : 8

(22) Date of filing of Application :15/05/2015

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : BREATHABLE CONTAINER FOR FRUITS AND VEGETABLES (51) International classification :B65D85/34B65D30/02B65B25/04 (71)Name of Applicant : (31) Priority Document No :13/729243 1)CHANDRA Shubham (32) Priority Date :28/12/2012 Address of Applicant :20 Zain Circle Milford MA 01757 U.S.A. (33) Name of priority country (72)Name of Inventor : :U.S.A. (86) International Application No :PCT/US2013/073770 1)CHANDRA Shubham Filing Date :08/12/2013 2)WILLIAMS Benjamin Scott (87) International Publication No :WO 2014/105397 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract :

The breathable container for fruits and vegetables extends the shelf life of various fresh fruits and vegetables and vase life of fresh cut flowers by changing the atmosphere in which these living products are stored and respires. The Breathable container does this by utilizing a Gas Permeable Non Woven Fabric Based Film. The high oxygen and carbon dioxide permeability of the Gas Permeable Non Woven Fabric Based Film establishes an ideal atmosphere for the perishable items stored within the Shelf life Extending Container and therefore extends their shelf life. The establishment of lower oxygen and carbon dioxide atmospheres within the Breathable container using the Gas Permeable Non Woven Fabric Based Film also leads to a reduction in the respiration rate of the perishable items stored. The reduction in the respiration rate of the perishable items prevents loss of moisture production of metabolic heat yellowing browning and reduces the production levels of ethylene by the perishable items. Therefore the created atmosphere is able to extend shelf life maintain high quality and preserve nutrients of fresh produce items by naturally regulating respiration of said produce/flowers.

No. of Pages : 32 No. of Claims : 21

(22) Date of filing of Application :16/04/2012

(21) Application No.1166/DEL/2012 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : ULTRA VIOLET RADIATION BLOCKING OPTOELECTRONIC DEVICE

( <b>*</b> 1) T ( ) 1 1 '( )	COIN	
(51) International classification :	:GUIN	(71)Name of Applicant :
(31) Priority Document No :	:NA	1)MOSER BAER INDIA LIMITED
(32) Priority Date :	:NA	Address of Applicant :43B OKHLA INDUSTRIAL ESTATE NEW
(33) Name of priority country :	:NA	DELHI - 110020. INDIA Delhi India
(86) International Application No :	:NA	(72)Name of Inventor :
Filing Date :	:NA	1)BRAM TITULAER
(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 :

Some embodiments of the invention provide an optoelectronic device that provides protection to its functional stack against ultraviolet (UV) rays. The optoelectronic device includes a substrate having a first surface and a substantially parallel second surface. Further there is disposed on the substrate at least one of a first light management layer on the first surface and a second light management layer on the second surface. The first light management layer are configured to facilitate light management in the optoelectronic device. Further the device is characterized such that at least one of the first light management layer and the second light management layer includes particles or molecules that are capable of absorbing and blocking radiations having a wavelength in the range of 200 to 380 nm. Further the optoelectronic device also includes a stack of functional layers supported by said substrate such that the stack of functional layers includes at least one layer sensitive to the radiations having wavelength in the range of 200 to 380 nm.

No. of Pages : 16 No. of Claims : 8

(22) Date of filing of Application :16/05/2015

(21) Application No.4196/DELNP/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : REDUCED SIZE RUNNER FOR AN INJECTION MOLD SYSTEM

(51) International classification	:B29C45/76B29C45/77B29C45/27	(71)Name of Applicant :
(31) Priority Document No	:61/729028	1)IMFLUX INC.
(32) Priority Date	:21/11/2012	Address of Applicant :3550 Symmes Road Hamilton Ohio 45015
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2013/071123	(72)Name of Inventor :
Filing Date	:21/11/2013	1)ALTONEN Gene Michael
(87) International Publication No	:WO 2014/081905	2)BREIDENBACH Vincent Sean
(61) Patent of Addition to Application	':NA	3)MCCONNELL Kimberly Nichole
Number	:NA :NA	4)LUMPKIN Danny David
Filing Date	INA	5)HUANG Chow chi
(62) Divisional to Application Numbe	r:NA	6)BERG JR. Charles John
Filing Date	:NA	

(57) Abstract :

A runner system for a multi cavity injection molding system the runner system having runners of reduced size.

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

(22) Date of filing of Application :16/05/2015

(21) Application No.4197/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : RECORDING METHOD PLAYING METHOD DEVICE TERMINAL AND SYSTEM

(33) Name of priority country:ChinaChina(86) International Application No:PCT/CN2014/0762711000Filing Date:25/04/2014(72)N(87) International Publication No:WO 2015/0141401)H(61) Patent of Addition to Application Number:NA2)NFiling Date:NA3)N	Address of Applicant :Floor 13 Rainbow City Shopping Mall II of ina Resources No.68 Qinghe Middle Street Haidian District Beijing 2085 China 2)Name of Inventor : 2)HAN Wei 2)XU Lina 2)WANG Wenlin
Filing Date :NA 3)W	
6	

# (57) Abstract :

Disclosed are a recording method a playing method a device a terminal and a system which belong to the technical field of computers. The recording method comprises: receiving a flag start instruction in the process of recording audio data; according to the flag start instruction establishing a flag event and recording a parameter of the flag event the flag event being used for flagging the audio data; receiving a flag end instruction; according to the flag end instruction completing the record of the parameter of the flag event so as to obtain a flag data structure; and storing the audio data and the flag data structure so as to obtain an audio file. The recording device comprises a first receiving module a recording module a second receiving module a first generation module and a second generation module. The present disclosure solves the problem of reduction of the information acquisition efficiency caused by a complex operation of searching for the predetermined content in the audio data by means of repeated audition thereby achieving the effect of improving the information acquisition efficiency.

No. of Pages : 40 No. of Claims : 34

(22) Date of filing of Application :16/05/2015

(21) Application No.4198/DELNP/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : COMBINATION BINDING AND PERFORATING ASSEMBLY

(51) International classification	:B42F13/40	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ARBILI Guy
(32) Priority Date	: -	Address of Applicant :63 HaEshel St. 46603 Herzliya Israel
(33) Name of priority country	:	2)ARBILI Tal
(86) International Application No	:PCT/IL2012/050413	3)ARBILI Shlomo
Filing Date	:18/10/2012	4)ARBILI Shachar
(87) International Publication No	:WO 2014/061008	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)ARBILI Shlomo
Filing Date	:NA	2)ARBILI Shachar
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A combination binding and perforation assembly which includes a base portion binding rings perforating rods guiding plates a wall portion a perforation slot and a lever. The binding rings protrude from the base portion. Each perforating rod is coupled with a respective binding ring via a respective connector. The perforation slot is defined by a gap between the guiding plates and wall portion which is disposed at an edge of the base portion. The lever is coupled with the binding rings and can be manually raised and lowered. When the lever is raised the binding rings open and the perforating rods advance toward the perforation slot to perforate at least one paper sheet inserted in the perforation slot. When the lever is lowered the binding rings close and the perforating rods retract from the perforation slot. The perforated sheet can then be inserted into the binding rings through the perforations.

No. of Pages : 32 No. of Claims : 10

(22) Date of filing of Application :18/04/2012

(21) Application No.1191/DEL/2012 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : SWING CORNER UNIT WITH COLUMNS TIED TOGETHER FOR INSTALLATION FLEXIBILITY

(51) International classification	:E06B	(71)Name of Applicant :
(31) Priority Document No	:NA	1)PANKAJ GULATI
(32) Priority Date	:NA	Address of Applicant :PLOT 21 SECTOR-6 A-301 MAYANK
(33) Name of priority country	:NA	MANSION DWARKA ND -75 Delhi India
(86) International Application No	:NA	2)DAVINDER NIJHAWAN
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:NA	1)PANKAJ GULATI
(61) Patent of Addition to Application Number	:NA	2)DAVINDER NIJHAWAN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a corner cabinet for kitchen comprising an interior of a substantially rectangular footprint which is accessible at the front by cabinet door. The fitting comprises Vertical columns which are tied together by a telescopic arrangement to accommodate unit to fit flexibly in different sized cabinets in height. Fitting comprises of guides which connects with shelves and support and move shelf inward and outward. The guides are connected to columns by way of hinge arrangement further the guides at the bottom are fixed which connects support and move bottom shelf and the guides above bottom shelf are designed such that the shelf height can be adjusted fitting can be designed for multi shelves.

No. of Pages : 28 No. of Claims : 7

(22) Date of filing of Application :16/05/2015

(43) Publication Date : 16/10/2015

# (54) Title of the invention : PROCESS FOR THE PREPARATION OF HIERARCHICALLY MESO AND MACROPOROUS STRUCTURED MATERIALS

(51) International classification	:C01B31/00C04B38/00	(71)Name of Applicant :
(31) Priority Document No	:12382401.3	1)CIC ENERGIGUNE
(32) Priority Date	:18/10/2012	Address of Applicant : Parque Tecnol <sup>3</sup> gico de • lava Albert Einstein
(33) Name of priority country	:EPO	48 Edificio CIC E 01510 Mi±ano • lava Spain
(86) International Application No	:PCT/EP2013/071705	(72)Name of Inventor :
Filing Date	:17/10/2013	1)KARTHIK Mani
(87) International Publication No	:WO 2014/060508	2)FAIK Abdessamad
(61) Patent of Addition to Application Number	:NA	3)DOPPIU Stefania
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention describes a hierarchical graphitized carbon foam comprising an interconnected macroporous structure with an ordered mesoporous wall structure a process for its preparation as well as to a process for the synthesis of a variety of bimodal porous organic polymer and/or inorganic metal oxide materials.

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

(22) Date of filing of Application :18/05/2015

(21) Application No.4203/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : SECOND GENERATION LOW GAUGE CROWN CAP

PERU S.A.
es 349 Lima Industrial Lima 1

### (57) Abstract :

A lightweight crimp type crown cap for application to a glass beverage bottle comprises a shell formed of a material comprising steel tinplate. The shell includes a round panel having an upper surface a lower surface and a peripheral edge. A skirt depends downwardly from the peripheral edge of the panel the skirt having fewer than 21 corrugations wherein the corrugations are adapted to be crimped to affix the crown cap to a rim of a bottle opening. A circular groove is formed in the panel defining a downwardly concave portion on the upper surface of the panel and a corresponding downwardly convex portion on the lower surface of the panel and the circular groove is arranged to align with the rim of the bottle. A liner is disposed on the lower surface of the panel.

No. of Pages : 21 No. of Claims : 19

(22) Date of filing of Application :18/05/2015

(21) Application No.4204/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : CIRCULAR STAPLER WITH SELECTABLE MOTORIZED AND MANUAL CONTROL

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:A61B17/115 :13/716308	(71)Name of Applicant : 1)ETHICON ENDO SURGERY INC.
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:17/12/2012 :U.S.A.	Address of Applicant :4545 Creek Road Cincinnati Ohio 45242 U.S.A.
(86) International Application No		(72)Name of Inventor :
Filing Date	:16/12/2013	1)SWAYZE Jeffrey S.
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	:WO 2014/099701 :NA	2)BAXTER III Chester O. 3)SHELTON IV Frederick E.
Filing Date	:NA	5)SHELTON IV FRUCICK E.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

An apparatus (210) is operable to clamp cut and staple tissue. The apparatus includes a stapling head assembly (260) a shaft assembly coupled to the stapling head assembly and an actuator handle assembly (270) coupled to the shaft assembly. The stapling head assembly is operable to clamp tissue cut tissue and staple tissue in response to rotation imparted by a single rotary drive shaft (264) extending through the shaft assembly. The actuator handle assembly includes a motor (280) positioned within a motor housing (274) a rotation knob (298) and a selection assembly ((276) (278)). The rotation knob is coupled to a proximal end of the motor housing. The rotation knob is configured to translate between a proximal position and a distal position. The selection assembly is operable to select between motorized operation of the apparatus or manual operation of the apparatus based on the longitudinal position of the rotation knob.

No. of Pages : 65 No. of Claims : 20

(22) Date of filing of Application :18/05/2015

(21) Application No.4205/DELNP/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR ULTRASONIC METERING USING AN ORIFICE METER FITTING

(51) International classification	:G01F1/66	(71)Name of Applicant :
(31) Priority Document No	:13/676287	1)DANIEL MEASUREMENT AND CONTROL INC.
(32) Priority Date	:14/11/2012	Address of Applicant :11100 Brittmoore Park Drive Houston Texas
(33) Name of priority country	:U.S.A.	77041 U.S.A.
(86) International Application No	:PCT/US2013/069389	(72)Name of Inventor :
Filing Date	:11/11/2013	1)SCHWARZ Darren Scott
(87) International Publication No	:WO 2014/078224	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A method of retrofitting an orifice meter includes providing an orifice fitting body having a bore an orifice plate a plurality of tap holes and a plurality of pressure sensors installed in the plurality of tap holes. The method further includes removing the orifice plate and the plurality of pressure sensors from the orifice fitting body and installing a plurality of transducers into the plurality of tap holes. At least one of the plurality of transducers is configured to generate a signal and at least one of the plurality of transducers is configured to receive the signal. Additionally the method includes measuring a flow rate of a fluid flowing through the bore based on an output of each of the plurality of transducers.

No. of Pages : 21 No. of Claims : 18

(22) Date of filing of Application :17/04/2012

(21) Application No.1185/DEL/2012 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : MODELING CONCRETE S	TRUCTURES	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:E06B :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)FLUOR TECHNOLOGIES CORPORATION Address of Applicant :3 POLARIS WAY ALISO VIEJO CALIFORNIA 92698 U.S.A U.S.A.</li> <li>(72)Name of Inventor :</li> </ul>
(80) International Application No Filing Date (87) International Publication No	.NA :NA :NA	1)MURALI DAMODHAR
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A method of modeling concrete construction structures is presented. During a design or engineering phase of a construction product engineers typically use multiple modeling tools when creating designs. Often the tools use incompatible data formats when exporting or importing concrete structures. Contemplated methods include exporting concrete construction objects as non-concrete objects comprising other materials (e.g. steel) that are compatible with the data formats. The temporary non-concrete objects can be converted via a conversion engine to a desirable format possibly taking into account coordinate transformations. The non-concrete objects can then be imported into another tool and then changed back to a concrete material.

No. of Pages : 19 No. of Claims : 16

(22) Date of filing of Application :11/06/2012

(21) Application No.1777/DEL/2012 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : PROCESS FOR PRODUCING ANTI-REFLECTIVE COATINGS WITH SCRATCH RESISTANCE PROPERTY

	C00D	
(51) International classification	:C09D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INTERNATIONAL ADVANCED RESEARCH CENTRE FOR
(32) Priority Date	:NA	POWDER METALLURGY AND NEW MATERIALS(ARCI)
(33) Name of priority country	:NA	Address of Applicant :B-4 IIND FLOOR GEETANJALI ENCLAVE
(86) International Application No	:NA	NEAR AUROBINDO COLLEGE NEW DELHI-110017 Delhi India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)SHANMUGASUNDARAM SAKTHIVEL
(61) Patent of Addition to Application Number	:NA	2)RIGHEIRA CARNEGIE MAGENDIRAN
Filing Date	:NA	3)SHRIKANT VISHWANATH JOSHI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method for producing coatings having anti-reflection property combined with high scratch resistant property. This is achieved by a coating structure with a composite top layer comprising at least one type of metal oxide or silane compound with low refractive index SiOn layer. The above composite layer is applied on to a high refractive metal oxide layer either Titania or Zirconia. Employing the method according to the invention a bilayer coating providing anti-reflection with scratch resistant property can be easily applied on glass silicon wafers and solar receiver tubes for both optical and solar energy conversion applications.

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

(22) Date of filing of Application :18/05/2015

(21) Application No.4208/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : MOTOR DRIVEN ROTARY INPUT CIRCULAR STAPLER WITH MODULAR END EFFECTOR

(51) International classification	:A61B17/115	(71)Name of Applicant :
(31) Priority Document No	:13/716318	1)ETHICON ENDO SURGERY INC.
(32) Priority Date	:17/12/2012	Address of Applicant :4545 Creek Road Cincinnati Ohio 45242
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2013/075243	(72)Name of Inventor :
Filing Date	:16/12/2013	1)SWAYZE Jeffrey S.
(87) International Publication No	:WO 2014/099704	2)BAXTER III Chester O.
(61) Patent of Addition to Application Number	:NA	3)SHELTON IV Frederick E.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

A surgical stapling device (200) comprises a handle assembly (210) a shaft assembly (230) and a stapling head assembly (240). The shaft assembly comprises a rotary drive shaft (232) that translates between two longitudinal positions to alternate between a tissue clamping mode and a tissue cutting/stapling mode. The stapling head assembly includes a first set of rotary drive elements (280) that convert rotary motion of the drive shaft is in a distal position. The stapling head assembly also includes a second set of rotary drive elements (250) (260) that convert rotary motion of the drive shaft into a tissue cutting/stapling action when the drive shaft is in a distal position. The stapling head assembly also includes a second set of rotary drive elements (250) (260) that convert rotary motion of the drive shaft into a tissue cutting/stapling action when the drive shaft is in a proximal position. The drive shaft may be driven manually or by a motor. The stapling head assembly may be provided in a cartridge form that is removable from the shaft assembly.

No. of Pages : 57 No. of Claims : 20

(22) Date of filing of Application :18/05/2015

(21) Application No.4209/DELNP/2015 A

(43) Publication Date : 16/10/2015

<ul> <li>71)Name of Applicant :</li> <li>1)THE UNIVERSITY OF WESTERN AUSTRALIA Address of Applicant :Sterling Highway Nedlands Western Australia</li> <li>907 Australia</li> <li>72)Name of Inventor :</li> <li>1)LEEDMAN Peter Jeffery</li> <li>2)GILES Keith Michael</li> <li>3)BROWN Rikki Ann Mary</li> </ul>
1 59 72 1 2

(57) Abstract :

The present invention relates generally to methods and compositions for the treatment of cancers expressing the type 1 insulin like growth factor receptor (IGF1R) or a constituent of an IGF1R signaling pathway in particular melanoma using the microRNA miR 7 5p. Also provided are methods for increasing the sensitivity of such cancers to therapeutic agents.

No. of Pages : 56 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :18/05/2015

(43) Publication Date : 16/10/2015

3)KIM Tae Yun

4)KO Dong Hyun

#### :C07C45/75C07C45/86C07C47/263 (71)Name of Applicant : (51) International classification (31) Priority Document No :1020130088775 1)LG CHEM LTD. (32) Priority Date :26/07/2013 Address of Applicant :128 Yeoui daero Youngdungpo gu Seoul 150 (33) Name of priority country :Republic of Korea 721 Republic of Korea (86) International Application No :PCT/KR2014/006606 (72)Name of Inventor : Filing Date :21/07/2014 1)EOM Sung Shik (87) International Publication No :WO 2015/012550 2)KIM Min Soo (61) Patent of Addition to

(54) Title of the invention : METHOD FOR PREPARING METHYLOL ALKANAL

:NA

:NA

:NA

:NA

Filing Date (57) Abstract :

Number

Application Number

Filing Date (62) Divisional to Application

The present invention relates to a method for preparing methylol alkanal. According to the present invention the method can improve the yield of methylol alkanal without using an excess amount of formaldehyde greater than or equal to a theoretical minimum molar ratio reduce formaldehyde wastewater and resultingly improve the efficiency of hydrogenation due to the decrease in the remaining formaldehyde amount contained in the methylol alkanal which can act as catalytic poison of hydrogenation when the prepared methylol alkanal is applied to hydrogenation.

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

(19) INDIA

(22) Date of filing of Application :11/06/2012

(43) Publication Date : 16/10/2015

(54) Title of the invention : SPECIFIC RICE BRAN-GLYCOLIPID AND PHOSPHOLIPIDS ASSOCIATED CATIONIC LIPID
FORMULATIONS: A POTENT CARRIER TO DELIVER GENES & BIOACTIVE COMPOUNDS TO BREAST AND LUNG CANCER CELLS

	K (71)Name of Applicant :
(31) Priority Document No :NA	1)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH
(32) Priority Date :NA	Address of Applicant : ANUSANDHAN BHAWAN RAFI MARG
(33) Name of priority country :NA	NEW DELHI-110 001 INDIA. Delhi India
(86) International Application No :NA	(72)Name of Inventor :
Filing Date :NA	1)SAYANTANI ROY
(87) International Publication No : NA	2)RAJKUMAR BANERJEE
(61) Patent of Addition to Application Number :NA	3)PRADOSH PRASAD CHAKRABARTI
Filing Date :NA	4)RACHAPUDI BADARI NARAYANA PRASAD
(62) Divisional to Application Number :NA	
Filing Date :NA	

(57) Abstract :

The present invention relates to a formulation in which glycolipids and phospholipids isolated from rice bran gum samples were used in conjunction with gene carrying lipids to test its efficacy in delivering genes to cancer cells selectively. This formulation did not mediate efficient delivery of genes to non-cancerous cells thus showing potential use of this formulation to deliver anticancer therapeutics to cancer cells without eliciting treatment related toxicity to normal cells.

No. of Pages : 30 No. of Claims : 11

#### (19) INDIA

(22) Date of filing of Application :18/05/2015

#### (43) Publication Date : 16/10/2015

### (54) Title of the invention : CONTROLLING USE OF A SINGLE MULTI VEHICLE PARKING SPACE USING MULTIPLE CAMERAS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> <li>Filing Date</li> </ul>	:B60Q1/48G08G1/01G08G1/14 :13/686802 :27/11/2012 :U.S.A. :PCT/US2013/071654 :25/11/2013 :WO 2014/085316 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)CLOUDPARC INC. Address of Applicant :171 Great Neck Road #4R Great Neck New York 11021 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)NERAYOFF Steven David</li> <li>2)WONG Thompson S.</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A method of tracking use of a single multi vehicle destination location and at least one restricted location within the single multi vehicle destination location is disclosed. Initially pluralities of vehicle images captured by a plurality of cameras are received. Next the times that a first vehicle began use and completed use of the single multi vehicle destination location are determined. Finally it is determined that a second vehicle is stopped in the at least one restricted location within the single multi vehicle destination location.

No. of Pages : 93 No. of Claims : 15

(22) Date of filing of Application :18/05/2015

(21) Application No.4221/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : HALOGEN FREE FLAME RETARDANT INSULATED WIRE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:H01B7/295C08K5/521C08K5/5313 :2013175883 :27/08/2013 :Japan :PCT/JP2014/068776 :15/07/2014 :WO 2015/029621 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SUMITOMO ELECTRIC INDUSTRIESLTD. Address of Applicant :5 33 Kitahama 4 chome Chuo ku Osaka shi Osaka 5410041 Japan</li> <li>(72)Name of Inventor :</li> <li>1)FUJITA Taro</li> <li>2)HAYAMI Hiroshi</li> <li>3)NISHIKAWA Shinya</li> <li>4)OCHI Yuji</li> <li>5)HORI Kenji</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Provided is a halogen free flame retardant insulated wire which has high hot water resistance while achieving a good balance among insulation resistance flame retardancy wear resistance and thermal deformation resistance at high levels. A halogen free flame retardant insulated wire which comprises a conductor and a halogen free insulating layer that covers the conductor. The insulating layer has: an outer layer that is formed of a crosslinked body of a resin composition which contains 100 parts by mass in total of resin components wherein 25 30 parts by mass of a polyphenylene ether resin and 10 30 parts by mass of a styrene elastomer are finely dispersed in 40 65 parts by mass of a high density polyethylene having a melt flow rate of 0.60 or less and 5 50% by mass of a metal phosphinate 6 25% by mass of a phosphoric acid ester and 1 10% by mass of a polyfunctional monomer relative to the resin components; and an inner layer that is formed of a crosslinked polyethylene. The thickness of the inner layer is 10 85% of the total thickness of the inner layer and the outer layer.

No. of Pages : 25 No. of Claims : 3

(22) Date of filing of Application :18/05/2015

(21) Application No.4222/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : SOLAR CELL AND SOLAR CELL MODULE

(51) International classification	:H01L31/04	(71)Name of Applicant :
(31) Priority Document No	:2012241498	1)SHIN ETSU CHEMICAL CO. LTD.
(32) Priority Date	:01/11/2012	Address of Applicant :6 1 Ohtemachi 2 chome Chiyoda ku Tokyo
(33) Name of priority country	:Japan	1000004 Japan
(86) International Application No	:PCT/JP2013/074979	(72)Name of Inventor :
Filing Date	:17/09/2013	1)ENDO Yoko
(87) International Publication No	:WO 2014/069118	2)OTSUKA Hiroyuki
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

Provided is a solar cell that includes: a semiconductor substrate on which at least pn junctions are formed; a multiplicity of finger electrodes that are formed in a comb like shape on at least one surface of the semiconductor substrate; and a plurality of bus bar electrodes that are arranged so as to be orthogonal to the lengthwise direction of the finger electrodes and are connected with the finger electrodes. This solar cell is configured so that the finger electrodes connected with one of the bus bar electrodes are separated from the finger electrodes connected with another bus bar electrode that is arranged so as to be parallel to this one of the bus bar electrodes and ends in the lengthwise direction of adjacent two or more of the finger electrodes connected with each bus bar electrode are electrically connected with one another by auxiliary electrodes. With this configuration while disadvantage due to disconnection is solved a high fill factor a high conversion efficiency and small cell warpage are achieved whereby the manufacturing yield is improved. Further this does not involve increases in costs and high long term reliability is achieved. Thus a solar cell module in which this solar cell is used has a high output maintenance rate.

No. of Pages : 28 No. of Claims : 9

(22) Date of filing of Application :09/04/2014

(21) Application No.1004/DEL/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : PROCESS OF EXTRACTION OF GALACTOMANNAN GUM FROM FENUGREEK SEEDS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:NA	(71)Name of Applicant : 1)N. K. MATHUR
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:NA :NA :NA	Address of Applicant :54 DEVNAGAR JODHPUR-342008 (RAJ.) Rajasthan India <b>2)VANDANA MATHUR</b>
(87) International Publication No	:NA : NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)N. K. MATHUR 2)VANDANA MATHUR
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract :

The present invention relates to a new process of extraction of galactomannan gum from fenugreek seeds. The method of extraction of galactomannan gum from fenugreek seeds of the invention is not only simple and economic but also gives high yield of soluble dietary fiber (galactomannan polysaccharide gum).

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

(22) Date of filing of Application :11/08/2012

(21) Application No.1790/DEL/2012 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : A METHOD FOR THE PREPARATION OF ULTRA-SMALL SIZE(2-3 NM) TRANSITION METAL NANOPARTICLES

(51) International classification	:C07C	(71)Name of Applicant :
(31) Priority Document No	:NA	1)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH
(32) Priority Date	:NA	Address of Applicant : ANUSANDHAN BHAWAN RAFI MARG
(33) Name of priority country	:NA	NEW DELHI- 110 001 INDIA Delhi India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)PRASAD LAKSHMI VARA BHAGAVATULA
(87) International Publication No	: NA	2)JHUMUR SETH
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention disclosed herein is one pot process for syndiesis of ultra-small uniform-sized (1-3 nm) transition metal nanoparticles with the shape tunability. These nanoparticles find use in various fields like catalysis fuel cells etc. 16

No. of Pages : 21 No. of Claims : 10

(22) Date of filing of Application :18/05/2015

(21) Application No.4211/DELNP/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : ZINC AMINO ACID HALIDE COMPLEX WITH CYSTEINE

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)COLGATE PALMOLIVE COMPANY Address of Applicant :300 Park Avenue New York NY 10022 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)YUAN Shaotang</li> <li>2)PAN Long</li> <li>3)DU THUMM Laurence D.</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Provided are compositions e.g. oral and personal care products comprising (i) a zinc amino acid halide complex and (ii) cysteine in free or in orally or cosmetically acceptable salt form together with methods of making and using the same.

No. of Pages : 46 No. of Claims : 19

(22) Date of filing of Application :18/05/2015

(21) Application No.4212/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : MOTOR DRIVEN ROTARY INPUT CIRCULAR STAPLER WITH LOCKABLE FLEXIBLE SHAFT

(51) International classification	:A61B17/115	(71)Name of Applicant :
(31) Priority Document No	:13/716323	1)ETHICON ENDO SURGERY INC.
(32) Priority Date	:17/12/2012	Address of Applicant :4545 Creek Road Cincinnati Ohio 45242
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2013/075246	(72)Name of Inventor :
Filing Date	:16/12/2013	1)SWAYZE Jeffrey S.
(87) International Publication No	:WO 2014/099706	2)BAXTER III Chester O.
(61) Patent of Addition to Application Number	:NA	3)SHELTON IV Frederick E.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

A circular stapler apparatus (210) and method for stapling tissue include a shaft assembly (260) and an anvil (240). The anvil is configured to proximally retract toward the shaft assembly which at least severs or staples tissue based on a single rotary input. The shaft assembly includes a plurality of joint segments (302 322 342) and each joint segment includes a resilient member (318 328 58). The plurality of joint segments are configured to pivot relative to one another in a first uncompressed position and are configured to lock against one another to prevent pivoting in a second compressed position. A first plurality of joint segments defines a proximal portion (412) that is attached to a first cable or shaft. A second plurality of joint segments defines a distal portion (410) that is selectively lockable independent of the proximal portion and that is attached to a second cable or shaft.

No. of Pages : 58 No. of Claims : 20

(22) Date of filing of Application :18/05/2015

(43) Publication Date : 16/10/2015

# (54) Title of the invention : CIRCULAR STAPLER WITH SELECTABLE MOTORIZED AND MANUAL CONTROL INCLUDING A CONTROL RING

(51) International classification	:A61B17/115	(71)Name of Applicant :
(31) Priority Document No	:13/716313	1)ETHICON ENDO SURGERY INC.
(32) Priority Date	:17/12/2012	Address of Applicant :4545 Creek Road Cincinnati Ohio 45242
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2013/075242	(72)Name of Inventor :
Filing Date	:16/12/2013	1)SWAYZE Jeffrey S.
(87) International Publication No	:WO 2014/099703	2)BAXTER III Chester O.
(61) Patent of Addition to Application Number	:NA	3)SHELTON IV Frederick E.
Filing Date	:NA	4)JOHNSON Gregory W.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An apparatus for stapling tissue (210) comprises a stapling head assembly (220) a rotary drive shaft (264) and a mode selector. The stapling head assembly comprises a closure assembly and a firing assembly. The closure assembly is operable to clamp tissue against an anvil. The firing assembly is operable to drive at least one staple through tissue toward the anvil. The mode selector is operable to select between a tissue clamping mode and a firing mode. The rotary drive shaft is operable to actuate the closure assembly in response to selection of the tissue clamping mode. The rotary drive shaft is operable to actuate the firing assembly in response to selector may translate the rotary drive shaft between a first longitudinal position and a second longitudinal position to select between the tissue clamping mode and the firing mode. The mode selector may comprise a sliding ring (252).

No. of Pages : 66 No. of Claims : 20

(22) Date of filing of Application :18/05/2015

(21) Application No.4214/DELNP/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : LED LIGHTING DEVICE FOR AN OPERATING FIELD COMPRISING A LIGHT BEAM DIVIDER

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:F21K99/00F21W131/205F21Y101/02 :1261765 :07/12/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)MAQUET SAS</li> <li>Address of Applicant :Parc de Lim¨re Avenue de la Pomme de Pin F</li> </ul>
(32) Friority Date (33) Name of priority country		45160 Ardon France
(86) International Application No	:PCT/FR2013/052918	(72)Name of Inventor :
Filing Date	:03/12/2013	1)VALTEAU Ccilia
(87) International Publication No	:WO 2014/087088	2)VU THUI Minh Hong
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

An LED lighting device (5) comprises first and second LEDs (6 8) arranged to respectively emit first and second beams (7 9) of white light having first and second different respective colour temperatures and a beam splitter (10) arranged to split the first and second light beams (7 9) respectively into a first reflected portion of the first and second beams (11 3) and a second transmitted portion of the first and second beams (12 14). The LED s (6 8) and the beam splitter (10) are arranged spatially such that the transmitted portion of the first beam (12) and the reflected portion of the second beam (13) overlap into a first resulting beam (15) of intermediate colour temperature between the first and second resulting beam (16) of the same intermediate colour temperature.

No. of Pages : 25 No. of Claims : 14

#### (19) INDIA

(22) Date of filing of Application :11/06/2012

(21) Application No.1778/DEL/2012 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : A NOVEL INLINE CAM IN		
(51) International classification	:F16H	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MARUTI SUZUKI INDIA LIMITED
(32) Priority Date	:NA	Address of Applicant :1 NELSON MANDELA ROAD VASANT
(33) Name of priority country	:NA	KUNJ NEW DELHI-110070 INDIA. Delhi India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)VIDUR KAUSHIK
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a novel inline cam in dies comprising of driver mounted on upper die and slider slides on lower die recess wherein driving surfaces are placed in line with the slider cam body and cam slider guide rail and positive return are mounted on the slider.

No. of Pages : 8 No. of Claims : 6

(22) Date of filing of Application :18/05/2015

(21) Application No.4230/DELNP/2015 A

(43) Publication Date : 16/10/2015

### (54) Title of the invention : METHODS AND COMPOSITIONS FOR TREATMENT AND CONTROL OF PLANT DISEASE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:61/716245 :19/10/2012 :U.S.A. :PCT/US2013/065710 :18/10/2013 :WO 2014/063070 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)THE TEXAS A&amp;M UNIVERSITY SYSTEM Address of Applicant :3369 Tamu College Station TX 77843 3369</li> <li>U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)GONZALEZ Carlos F.</li> <li>2)AHERN Stephen J.</li> <li>3)DAS Mayukh</li> <li>4)YOUNG Ryland F. III</li> </ul>
Filing Date	:NA	Sidiro Withor Lusian Suvia

(57) Abstract :

The present invention provides methods for development of a virulent bacteriophage based treatment for the control of plant diseases caused by Xylella fastidiosa. The invention further provides methods of isolating and propagating bacteriophage virulent to X. fastidiosa in a Xanthomonas bacterial host and for treating or reducing symptoms of X. fastidiosa infection in a plant. The invention further provides methods of isolating and propagating bacteriophage virulent to Xanthomonas axonopodis pv. citri and for treating or reducing symptoms of Xanthomonas axonopodis pv. citri infection in a plant.

No. of Pages : 424 No. of Claims : 39

(22) Date of filing of Application :18/05/2015

(21) Application No.4231/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : CAP SUITABLE FOR USE WITH ENTERAL FEEDING CONTAINER

(32) Priority Date:14/11/2012Address of Applicant :Dept. 377/AP6A 1 100 Abbott Park Road(33) Name of priority country:U.S.A.Abbott Park Illinois 60064 U.S.A.(86) International Application No:PCT/US2013/069878(72)Name of Inventor :Filing Date:13/11/20131)KROPCZYNSKI John(61) Patent of Addition to Application Number:NA3)WALTER MeghanFiling Date:NA:NA(62) Divisional to Application Number:NAFiling Date:NA	<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:61/726272 :14/11/2012 :U.S.A. :PCT/US2013/069878 :13/11/2013 :WO 2014/078404 :NA :NA :NA	(72)Name of Inventor : 1)KROPCZYNSKI John 2)MCBROOM Jeremy
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(57) Abstract :

A cap for use in enteral feeding from a container. The cap includes a base and an insert cutter. The base has a top surface a bottom surface and an outer ring. The top surface has a protruding port suitable for insertion of a spike connector. The protruding port defines a spike insertion chamber extending from a spike connector insert aperture to a spike connector outlet aperture. The outer ring is configured for attachment to a container having a mouth. The insert cutter has a first end portion attached to the bottom surface of the base and about an edge of the spike connector outlet aperture and a second end portion extending over at least a portion of the spike connector outlet aperture. The insert cutter is capable of flexing in an insertion direction of a spike connector inserted through the spike insertion chamber.

No. of Pages : 29 No. of Claims : 32

(22) Date of filing of Application :18/05/2015

(21) Application No.4232/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : ELECTRIC MACHINE

# (57) Abstract :

The invention relates to an electric machine (10) comprising a stator (16) that has a stator core (17). Said core has a substantially cylindrical opening (60) having a central axis (63) and the opening (60) accommodates a rotor (20). The stator core (17) has an axial length (L17a) and said core (17) holds a stator winding (18) together with the rotor (20) which has a rotational axis (66). The rotor (20) has an axial end face (69) on which a fan (30) with fan blades (72) is located and is non rotatably connected to the rotor (20). The rotor (20) has an electromagnetically excitable path (75) having a pole shank (78) a respective pole plate (22 23) adjoining each axially rotational end (80 82) of said shank. Claw poles (24) having a north polarity extend from one pole plate (22) and claw poles (25) having a south polarity extend from the other pole plate (23) said claw poles (24) and (25) alternating between north and south polarities around the periphery of the rotor (20). The rotor (20) has a gap (21) with a longitudinal direction (86) between two neighbouring claw poles (24 25) of opposite polarity a permanent magnet system (88) being provided in the gap (21) between the two claw poles (24 25). The permanent magnet system (88) in the longitudinal direction (86) of the gap (21). The rotor comprises a pole shank (78) located radially inside the claw poles (24 25) said shank having an axially rotational length (L78) and the ratio of the length (L88) of the permanent magnet system (88) to the axially rotational length (L78) of the pole shank (78) is greater than 1.3.

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

(22) Date of filing of Application :16/04/2012

(21) Application No.1170/DEL/2012 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : MULTI ENERGY SOURCE OPERATED AUTOMATIC TEMPERATURE CONTROLLED SAFFRON DRYER

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:B62D :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)DR. GHULAM MOHAMMAD MIR</li> <li>Address of Applicant :DIVISION OF AGRICULTURAL</li> <li>ENGINEERING SKUAST-K SHALIMAR SRINAGAR-191121 Jammu</li> </ul>
(86) International Application No	:NA	& Kashmir India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:NA	1)DR. GHULAM MOHAMMAD MIR
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract :

Saffron being cash crop needs timely drying for its storage and Marketing. Normally it is dried in open sun shine which deteriorates its colour and reduces its market value. The harvesting season of saffron is cooler and there is always high probability of rain during October and November so many dryers either operating on solar energy or electrical energy have been developed worldwide. The use of electricity increases during cold leading often to shutdowns. Therefore there is a dire need for clubbing all the energy sources into a composite form so that all the options of drying are available in one gadget. The gadget provides a drying area of approximately four square feet which is fed with heat from three energy sources viz; solar electricity or gas. The formulated gadget has a facility of switching over to any of the three energy sources or using them together. Any desired temperature can be set on digital panel and the gadget will maintain the set temperature on automatic basis. The protection from direct sunlight has been taken due care of. So the colour of dried saffron is not faded and is market attractive. The material used for fabrication can be wood steel or good quality plastic.

No. of Pages : 7 No. of Claims : 4

(22) Date of filing of Application :12/06/2012

(21) Application No.1808/DEL/2012 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : GERMICIDAL COMPACT FLUORESCENT LAMPS WITH EXTERNAL PHOTOCATALYST COATING

(31) Priority Document No:1(32) Priority Date:1(33) Name of priority country:1(36) International Application No:1Filing Date:1(87) International Publication No:1(61) Patent of Addition to Application Number:1Filing Date:1(62) Divisional to Application Number:1	CO7C NA NA NA NA NA NA NA NA	<ul> <li>(71)Name of Applicant :</li> <li>1)CHANDER HASS PARASHAR Address of Applicant :62A NIRMAN NAGAR EXTENSION</li> <li>AJMER ROAD JAIPUR RAJASTHAN (INDIA 302024) Rajasthan India (72)Name of Inventor :</li> <li>1)CHANDER HASS PARASHAR</li> </ul>
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(57) Abstract :

The invention relates to electric Germicidal Compact Fluorescent Lamps for general lighting applications which has an additional advantage of killing bacteria virus and mold spores. Use of this Compact Fluorescent Lamp; now a preferred light source for indoors application is having energy efficiency; photo-catalyst coating on external surface dilutes the concentration of microbes apart from eliminating stench. The invention relates to nano-particle coating of Compact fluorescent lamps. In addition Synthetic materials used in offices and residences like furnishing paints and veneer flooring false ceiling adhesives used to glue carpets emit Volatile Organic Compound.

No. of Pages : 30 No. of Claims : 10

(22) Date of filing of Application :18/05/2015

(21) Application No.4226/DELNP/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : ZINC AMINO ACID COMPLEX WITH CYSTEINE

(51) International classification	:A61K8/27A61K8/44A61Q11/00	(71)Name of Applicant :
(31) Priority Document No	:PCT/US2012/070489	1)COLGATE PALMOLIVE COMPANY
(32) Priority Date	:19/12/2012	Address of Applicant :300 Park Avenue New York NY 10022 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/US2013/068854	1)PAN Long
Filing Date	:07/11/2013	2)YUAN Shaotang
(87) International Publication No	:WO 2014/099165	3)NAWROCKI Shiri
(61) Patent of Addition to Application	:NA	
Number	:NA :NA	
Filing Date	INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided are compositions e.g. oral and personal care products comprising (i) a tetrabasic zinc amino acid or trialkyl glycine halide complex and (ii) cysteine in free or in orally or cosmetically acceptable salt form together with methods of making and using the same.

No. of Pages : 47 No. of Claims : 23

(22) Date of filing of Application :18/05/2015

(43) Publication Date : 16/10/2015

# (54) Title of the invention : METHODS AND APPARATUSES FOR SEPARATING TOLUENE FROM MULTIPLE HYDROCARBON STREAMS

(51) International classification	:C07C7/04C07C15/06	(71)Name of Applicant :
(31) Priority Document No	:13/712714	1)UOP LLC
(32) Priority Date	:12/12/2012	Address of Applicant :25 East Algonquin Road P. O. Box 5017 Des
(33) Name of priority country	:U.S.A.	Plaines Illinois 60017 5017 U.S.A.
(86) International Application No	:PCT/US2013/069790	(72)Name of Inventor :
Filing Date	:13/11/2013	1)CORRADI Jason T.
(87) International Publication No	:WO 2014/092912	2)ABLIN David William
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Methods and apparatuses for separating toluene from multiple hydrocarbon streams are provided. A method includes fractionating a first hydrocarbon stream which includes benzene depleted fractionation bottoms from benzene fractionation in a first fractionation zone into a first fractionation overhead stream that includes toluene and a first fractionation bottoms. A second hydrocarbon stream which includes toluene and is substantially free of compounds having a higher vapor pressure than toluene is fractionated in a second fractionation zone into a second fractionation overhead stream including toluene and a second fractionation bottoms. The second fractionation zone is in liquid isolation from and in vapor communication with the first fractionation zone. The first fractionation bottoms are removed from the first fractionation zone and the second fractionation bottoms are removed from the second fractionation zone separate from the first fractionation bottoms. The first and second fractionation overhead streams are combined to produce a combined fractionation overhead stream.

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

(22) Date of filing of Application :08/06/2012

(21) Application No.1769/DEL/2012 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : A PORTABLE PLANT IRRIGATION CUM AIR PURIFICATION SYSTEM.

(51) International classification	:A01B	(71)Name of Applicant :
(31) Priority Document No	:NA	1)VISHWA KAMAL MEATTLE
(32) Priority Date	:NA	Address of Applicant :26A PRITHVIRAJ ROAD N.DELHI-110011
(33) Name of priority country	:NA	Delhi India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)VISHWA KAMAL MEATTLE
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention provides portable plant irrigation cum air purification system comprising the means for bottom to top micro-irrigation and air purification. The bottom to top micro-irrigation means comprises longitudinal wicks made up of a material such as cotton cloth1 thread thick wool or the like. Atleast one end or both the ends of wicks are attached to a circular mesh of cotton cloth thus the length of the wicks can be varied very easily according to the height of the planter.

No. of Pages : 16 No. of Claims : 10

(22) Date of filing of Application :14/05/2015

(21) Application No.4144/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : FLUIDIZED CALCINATION FURNACE

(51) International classification	:C04B7/45F27B15/14	(71)Name of Applicant :
(31) Priority Document No	:2012282646	1)MITSUBISHI MATERIALS CORPORATION
(32) Priority Date	:26/12/2012	Address of Applicant :3 2 Otemachi 1 chome Chiyoda ku Tokyo
(33) Name of priority country	:Japan	1008117 Japan
(86) International Application No	:PCT/JP2013/007585	(72)Name of Inventor :
Filing Date	:25/12/2013	1)TAKAYAMA Yoshinori
(87) International Publication No	:WO 2014/103302	2)WANG Junzhu
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

Provided is a fluidized calcination furnace that reduces the uncombusted ratio at the fluidized calcination furnace outlet and thus can carry out sufficient calcination while preventing occlusion of a preheater even when pulverized coal which has poor combustion properties such as coal and coke are used as fuel by means of computational fluid dynamics calculations on the basis of actual furnace shape and operating conditions. The present invention is a fluidized calcination furnace (1) which has a cylindrical furnace body (2) with the axial center direction in the vertical direction has a pulverized coal blow in line (3) through which fuel is blown into the furnace body (2) a raw material chute (4) through which cement raw material is introduced and at least one forced air introduction pipe (5) that sucks in air for forced air connected to the side parts of this furnace body (2) and has an air blow in opening (6) for fluidization through which fluidization air is blown into the furnace body (2). The blow in opening for the pulverized coal blow in line (3) is below the inlet opening for the forced air introduction pipe (5) and is disposed above the air blow in opening (6) for fluidization.

No. of Pages : 45 No. of Claims : 4

(19) INDIA

(22) Date of filing of Application :20/05/2015

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : PRESSURE ADJUSTING MECHANISM AND SOOT BLOWING SYSTEM HAVING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:F23J3/00F22B37/48F28G1/16 :NA :NA :NA :PCT/JP2012/082933 :19/12/2012 :WO 2014/097426 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)MHI PLANT CORPORATION <ul> <li>Address of Applicant :6 22 Kan on Shin machi 4 chome Nishi ku</li> </ul> </li> <li>Hiroshima shi Hiroshima 7330036 Japan</li> <li>(72)Name of Inventor : <ul> <li>1)OKUDA Yasushi</li> <li>2)TSUDA Masami</li> </ul> </li> </ul>
Number Filing Date (62) Divisional to Application Number		
Filing Date	:NA :NA	

(57) Abstract :

A pressure adjusting mechanism (20) provided in a circulation system of a fluid and adapted for adjusting the pressure of the fluid wherein the pressure adjusting mechanism (20) is provided with a main body section (21) and an adjustment section (22). The main body section (21) includes a first communication hole (211) and a second communication hole (212). The first communication hole (211) interconnects the upstream side and the downstream side of the circulation system and has a cross sectional area over which the minimum necessary pressure is applied on the downstream side. The second communication hole (212) interconnects the upstream side and the downstream side of the circulation system. The adjustment section (22) is capable of adjusting the cross sectional area of the second communication hole (212).

No. of Pages : 46 No. of Claims : 5

(22) Date of filing of Application :20/05/2015

(21) Application No.4292/DELNP/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : DISPOSABLE DIAPER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61F13/49A61F13/56 :2012247497 :09/11/2012 :Japan :PCT/JP2013/080239 :08/11/2013 :WO 2014/073637 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)UNICHARM CORPORATION <ul> <li>Address of Applicant :182 Shimobun Kinsei cho Shikokuchuo shi</li> </ul> </li> <li>Ehime 7990111 Japan</li> <li>(72)Name of Inventor : <ul> <li>1)YAMANAKA Yasuhiro</li> <li>2)SAKAGUCHI Satoru</li> </ul> </li> </ul>
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(57) Abstract :

A disposable diaper (1) comprises a pair of pieces of fastening tape (90) a pair of target parts (95) whereupon the pieces of fastening tape are attached and an outer sheet (60) whereupon the target parts are anchored and whereupon it is possible for the pieces of fastening tape to be attached. The pair of target parts are positioned in isolation in the product width direction. The target parts have a first pattern (M11) applied thereupon. A second pattern (M12) which is similar to the first pattern is applied to a region of the outer sheet between the pair of target parts.

No. of Pages : 29 No. of Claims : 7

(22) Date of filing of Application :15/05/2015

(21) Application No.4152/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : MULTILAYER LAMINATE FOR THE MANUFACTURING OF INSULATING PANELS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:B32B5/00B32B5/28B32B7/02 :MI2012A001999 :26/11/2012 :Italy :PCT/IB2013/060339 :22/11/2013 :WO 2014/080371 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SINTOSTAMP S.P.A. Address of Applicant :Strada Maestra 5 Fraz. Cividale I 46017 Rivarolo Mantovano MN Italy</li> <li>(72)Name of Inventor :</li> <li>1)FEDERICI Massimiliano</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a multilayer laminate (10) a sandwich structure made up of a first layer (11) made of a blend of polymers comprising polyethylene terephthalate and a material selected from low density polyethylene medium density polyethylene high density polyethylene and polypropylene a second layer (12) made of said blend of polymers and a third layer (13) sandwiched between said first and second layer (11 12) said third layer (13) being made of said blend of polymers added with glass fibers. The polymer blend comprises from 6% to 14% by weight of low density polyethylene medium density polyethylene high density polyethylene or polypropylene the remainder being polyethylene terephthalate. Thanks to these features the multilayer laminate of the invention features a corrosion resistance comparable to the corrosion resistance of fiberglass but has superior mechanical properties allowing it to be employed in place of traditional fiberglass panels in the manufacturing of insulating panels for chemically aggressive environments.

No. of Pages : 12 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :15/05/2015

(43) Publication Date : 16/10/2015

(54) Title of the invention : A NETWORK NODE AND A METHOD THEREIN AND A RADIO BASE STATION AND A METHOD THEREIN FOR PROTECTING CONTROL CHANNELS OF A NEIGHBOURING RADIO BASE STATION

(57) Abstract :

A network node and a method performed by a network node for protecting control channels of a neighbouring RBS the network node and the RBS being operable in an OFDM based radio communication network are provided. An RBS and a method performed by an RBS for transmitting control channels to UEs currently being associated with the RBS in an OFDM based radio communication network are also provided. The method in the network node comprises determining (220) at least one subframe out of a predetermined number of subframes in which control channels are to be transmitted with reduced transmission power in relation to a nominal transmission power; and informing (230) the RBS which subframe(s) out of the predetermined number of subframes in which control channels are to be transmitted with reduced transmission power.

No. of Pages : 68 No. of Claims : 40

(22) Date of filing of Application :15/05/2015

(21) Application No.4154/DELNP/2015 A

# (43) Publication Date : 16/10/2015

(54) Title of the invention	: FRAME SYSTEM FOR FLEXIBLE PANEL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:G09F9/30G09F15/00G03B21/58 :1221099.3 :23/11/2012 :U.K. :PCT/GB2013/052974 :12/11/2013 :WO 2014/080176	<ul> <li>(71)Name of Applicant :</li> <li>1)AVERLY IP LIMITED Address of Applicant :69 Federation Road London Greater London SE2 0JT U.K.</li> <li>(72)Name of Inventor :</li> <li>1)HOWES Adrian</li> </ul>
<ul> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA	

(57) Abstract :

A frame system for supporting flexible panels or displays where the frame system includes at least one member formed from a memory material. The memory material is flexible in a first configuration and rigid in a second configuration.

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

(22) Date of filing of Application :15/05/2015

(21) Application No.4155/DELNP/2015 A

(43) Publication Date : 16/10/2015

### (54) Title of the invention : BSS DERIVED INFORMATION FOR CS TO PS SRVCC

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:H04W36/00 :61/723519 :07/11/2012 :U.S.A. :PCT/IB2013/059583 :23/10/2013 :WO 2014/072858 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant :S 164 83 Stockholm Sweden</li> <li>(72)Name of Inventor :</li> <li>1)DIACHINA John Walter</li> <li>2)SCHLIWA BERTLING Paul</li> <li>3)PALM Hkan</li> <li>4)AXELSSON Hkan</li> </ul>
(61) Patent of Addition to Application Number	:NA	- /
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract :

A method is implemented in a network executing a mobile switching center (MSC) in a global system for mobile communication (GSM) Edge Radio Access Network (GERAN). The method is for managing a circuit switched (CS) to packet switched (PS) single radio voice call continuity (SRVCC) handover to an Evolved Universal Terrestrial Radio Access Network (E UTRAN) without impact on a voice call caused by sending a User Equipment (UE) E UTRAN Radio Access Capability Information Element (IE) from a Mobile Station (MS) to a Base Station Subsystem (BSS) including at least one base transceiver station (BTS).

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

(19) INDIA

(22) Date of filing of Application :20/05/2015

(43) Publication Date : 16/10/2015

# (54) Title of the invention : METHOD FOR PRODUCING AT LEAST TWO LAYER COMPONENTS AND COMPONENT

	:B29C51/10B29C43/56B60R13/08 :10 2012 222 000.3	(71)Name of Applicant : 1)HP PELZER HOLDING GMBH
	:30/11/2012	Address of Applicant :Brauckstrae 51 58454 Witten Germany
(33) Name of priority country	:Germany	(72)Name of Inventor :
(86) International Application No	:PCT/EP2013/073899	1)NICOLAI Norbert
Filing Date	:15/11/2013	2)PIATKOWSKI Reimund
(87) International Publication No	:WO 2014/082869	3)RENKEN Hartmut
(61) Patent of Addition to Application	:NA	4)KR–MER Klaus
Number	:NA	5)SCHULZE Volkmar
Filing Date	.NA	
(62) Divisional to Application Number	r:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method for producing at least two layer components and correspondingly produced components per se as absorptive lining in the interior and/or boot or for floor coverings of motor vehicles comprising a top material and an absorber.

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

(22) Date of filing of Application :20/05/2015

# (43) Publication Date : 16/10/2015

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:13/690980 :30/11/2012 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)GOOGLE INC.</li> <li>Address of Applicant :1600 Amphitheatre Parkway Mountain View</li> <li>CA 94043 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)KUSCHER Alexander Friedrich</li> </ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:WO 2014/085264 :NA :NA :NA	2)JITKOFF John Nicholas 3)SENGUPTA Caesar
Filing Date	:NA	

(57) Abstract :

The subject disclosure relates to associating contacts with corresponding system actions. It includes identifying a contact profile for configuring with system actions based on one or more of an address book user input online accounts or an interaction with a contact corresponding to the contact profile retrieving contact information for the identified contact profile and determining at least one available system action based on the retrieved contact information for the identified contact profile also includes generating based on the retrieved contact information a system icon representing the contact profile for displaying the contact profile in a graphic user interface component of an operating system and associating the at least one available system action to automatically launch when selected at the system icon representing the contact profile.

No. of Pages : 36 No. of Claims : 20

(22) Date of filing of Application :20/05/2015

(21) Application No.4297/DELNP/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : WHEEL DRIVE UNIT FOR ATTACHMENT TO AN AIRCRAFT RUNNING GEAR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:B64C25/40 :NA :NA :PA :PCT/EP2012/075599 :14/12/2012 :WO 2014/090334 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)L 3 COMMUNICATIONS MAGNET MOTOR GMBH Address of Applicant :Petersbrunner Str. 2 82319 Starnberg Germany</li> <li>(72)Name of Inventor :</li> <li>1)EHRHART Peter</li> <li>2)OSWALD Johann</li> </ul>
(87) International Publication No (61) Patent of Addition to Application Number	:WO 2014/090334 :NA	
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

# (57) Abstract :

Wheel drive unit for attachment to an aircraft running gear said wheel drive unit including a drive motor (22) or a drive motor (22) with subsequent transmission (24) and comprising the following features: a mounting component (10) adapted to be mounted to a supporting component of the aircraft running gear; a coupling component (14) releasably anchored to the mounting component (10) in non rotatable fashion; the drive motor being supported by means of the coupling component (14) such that the coupling component (14) provides for torque support of the drive motor; a pluggable connection (60) for connecting at least one pair of electric line sections and/or at least one pair of fluid line sections; the torque output of the drive motor (22) or of the subsequent transmission (24) being adapted to establish a torque transmitting connection to a wheel (8) of the aircraft running gear when the wheel drive unit is attached to the aircraft running gear; the wheel drive unit without the mounting component (10) is released being demountable from the aircraft running gear which also separates the two parts of the pluggable connection (60) from each other.

No. of Pages : 32 No. of Claims : 17

(22) Date of filing of Application :20/05/2015

(21) Application No.4298/DELNP/2015 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : 2D LOW LEVEL MIXING BAG FOR STORAGE AND SHIPPING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:05/11/2013	<ul> <li>(71)Name of Applicant :</li> <li>1)EMD MILLIPORE CORPORATION Address of Applicant :290 Concord Road Billerica Massachusetts </li> <li>01821 U.S.A.</li> <li>(72)Name of Inventor : 1)MORRISSEY Martin </li> </ul>
(87) International Publication No	:WO 2014/085035	2)PEREIRA Brian
(61) Patent of Addition to Application Number	:NA	
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

(57) Abstract :

A disposable container such as a deformable bag for a fluid having one or more inlets and one or more outlets and an impeller assembly within the container to cause mixing dispersing homogenizing and/or circulation of one or more ingredients contained or added to the container. The region within the container that can contain liquid is funnel shaped which allows very low fluid level mixing dispensing while mixing and a reduction or elimination of vortex formation.

No. of Pages : 20 No. of Claims : 7

(22) Date of filing of Application :20/05/2015

(21) Application No.4299/DELNP/2015 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : METHODS AND DEVICES USED FOR REDUNDANT STERILE FILTRATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:B01D25/26 :61/732551 :03/12/2012 :U.S.A. :PCT/US2013/071861	<ul> <li>(71)Name of Applicant :</li> <li>1)EMD MILLIPORE CORPORATION Address of Applicant :290 Concord Road Billerica Massachusetts 01821 U.S.A. </li> <li>(72)Name of Inventor :</li> </ul>
<ul> <li>(60) International Application No</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:26/11/2013 :WO 2014/088882 :NA :NA	1)PERREAULT Jeremy 2)FOLEY Sean 3)RAUTIO Kevin
(62) Divisional to Application Number Filing Date	:NA :NA :NA	

# (57) Abstract :

Redundant filtration system that includes at least one barrier filter as a process filter the barrier filter having both hydrophilic and hydrophobic paths allowing both fluid and gas permeability. The need for vents is eliminated as is an intermediate drain filter. The device also can be dried in series. The filtration system includes a network of conduits and receptacles the network receiving liquid raw and/or starting material at one end conducting it through the process stream defined thereby and producing the desired liquid product at another end. The network is provided with one or more inputs for introducing liquid raw material into the fluid process stream and one or more output ports for discharging fluid out of the fluid process stream. The network is preferably an essentially closed network and also preferably sterile and/or aseptic.

No. of Pages : 33 No. of Claims : 5

(22) Date of filing of Application :20/05/2015

(43) Publication Date : 16/10/2015

# (54) Title of the invention : A METHOD FOR ISOLATING SHIKIMIC ACID FROM OIL PALM WASTE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C07C51/47C07C62/30C07C51/42 :PI 2012701009 :26/11/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)SIME DARBY MALAYSIA BERHAD Address of Applicant :19th Floor Wisma Sime Darby Jalan Raja Laut</li> </ul>
(33) Name of priority country	:Malaysia	50350 Kuala Lumpur Malaysia
(86) International Application No	:PCT/MY2013/000190	(72)Name of Inventor :
Filing Date	:07/11/2013	1)YIN MEE Thang
(87) International Publication No	:WO 2014/081275	2)ZAIREY BIN MOHD ZAIN Mohd
(61) Patent of Addition to Application	n	3)ROSS APPLETON David
Number	NA	4)BEE KEAT Neoh
Filing Date	:NA	5)HUEY FANG Teh
(62) Divisional to Application Numb	er:NA	6)AMIRON BIN ERSAD Mohd
Filing Date	:NA	7)A/L K. KULAVEERASINGAM Harikrishna

(57) Abstract :

The present invention relates to a method for isolating shikimic acid from oil palm waste using resin adsorption and hydrolysis techniques. The method comprises the steps of subjecting an oil palm waste material to resin adsorption to obtain an adsorbent containing caffeoylshikimic acid isomers recovering caffeoylshikimic acid isomers in a single fraction followed by subjecting the single fraction to hydrolysis to obtain shikimic acid and purifying the shikimic acid. The method in accordance with the invention provides good recovery of shikimic acid and enables the shikimic acid to be purified using simple purification method.

No. of Pages : 37 No. of Claims : 14

(22) Date of filing of Application :20/05/2015

(21) Application No.4313/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : RUBBER COMPOSITION AND TIRE MANUFACTURED USING SAME

(57) Abstract :

Provided are: a rubber composition which is improved in the dispersibility of silica therein to decrease the viscosity of the unvulcanized rubber and therefore improve the processability of the unvulcanized rubber and which does not cause rubber burning can prevent the occurrence of shrinkage without reducing a vulcanization rate and has good heat resistance; and a tire produced using the rubber composition. As the above mentioned rubber composition a rubber composition can be mentioned which is produced by adding silica and a glycerin fatty acid ester composition to at least one rubber component selected from natural rubbers and diene type synthetic rubbers wherein the amount of the glycerin fatty acid ester composition to be added is 0.5 to 15 parts by mass relative to 100 parts by mass of the rubber component in which the fatty acid has 8 to 28 carbon atoms the composition comprises a glycerin fatty acid monoester and a glycerin fatty acid diester and the content of the glycerin fatty acid monoester in the composition is 85 mass% or less.

No. of Pages : 62 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :20/05/2015

(43) Publication Date : 16/10/2015

# (54) Title of the invention : JELLY CONFECTION AND METHOD FOR PRODUCING SUCH A CONFECTIONARY PRODUCT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:A23G3/34A23G3/42A23L1/0522 :1260847 :14/11/2012 :France :PCT/FR2013/052748 :14/11/2013 :WO 2014/076429	1)ROQUETTE FRERES Address of Applicant :1 rue de la Haute Loge F 62136 Lestrem France (72)Name of Inventor : 1)LAGACHE Sylvie 2)BRENDEL Raymond
<ul> <li>(67) International Fubilities (67)</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA	3)GUERARD Daniel

(57) Abstract :

The present invention concerns a novel jelly confection and more particularly a chewy sweet or a chewing gum comprising a gelatinising agent providing said sweets with the chewiness of same. More particularly the present invention concerns a novel jelly confection containing little or no gelatine. The present invention also concerns a method for preparing such a confection.

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

#### (19) INDIA

(22) Date of filing of Application :20/05/2015

(43) Publication Date : 16/10/2015

# (54) Title of the invention : HOISTING TYPE CONTINUOUS CASTING DEVICE HOISTING TYPE CONTINUOUS CASTING METHOD AND SOLID INTERFACE DETECTION DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B22D11/01 :2012256512 :22/11/2012 :Japan :PCT/JP2013/005823 :30/09/2013 :WO 2014/080559 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant :1 Toyota cho Toyota shi Aichi 4718571 Japan</li> <li>(72)Name of Inventor :</li> <li>1)SUGIURA Naoaki</li> </ul>
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(57) Abstract :

A hoisting type continuous casting device according to one embodiment of the present invention is provided with: a holding furnace (101) that holds a melt; a first shape regulating member (102) that is disposed in proximity to a molten surface of a melt (M1) that has been held in the holding furnace (101) and that regulates a cross sectional shape of a casting (M3) by the melt being passed through; an imaging unit (109) that forms an image of a melt (M2) that has passed through the first shape regulating member (102); an image analyzing unit (110) that detects swinging motion in the melt from the image and determines a solid interface surface on the basis of the presence or absence of the swinging motion; and a casting control unit (111) that changes the casting conditions when the solid interface determined by the image analyzing unit (110) is not within a predetermined standard range.

No. of Pages : 47 No. of Claims : 25

(22) Date of filing of Application :20/05/2015

(43) Publication Date : 16/10/2015

#### (51) International classification :G05D1/10 (71)Name of Applicant : (31) Priority Document No :1218963.5 1)BCB INTERNATIONAL LTD. (32) Priority Date Address of Applicant : Clydesmuir Road Cardiff CF24 2QS U.K. :22/10/2012 2)TOROUING GROUP LTD. (33) Name of priority country :U.K. (86) International Application No :PCT/GB2013/052745 (72)Name of Inventor : Filing Date :22/10/2013 1) **REEDMAN Ivan** (87) International Publication No :WO 2014/064431 2)DAVIES Barry (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA

#### (54) Title of the invention : MICRO UNMANNED AERIAL VEHICLE AND METHOD OF CONTROL THEREFOR

(57) Abstract :

A micro unmanned aerial vehicle or drone (UAV) 10 is remotely controlled through an HMI (309) although this remote control is supplemented by and selectively suppressed by an on board controller (302). The controller operates to control the generation of a sonar bubble that generally encapsulates the UAV. The sonar bubble which may be ultrasonic in nature is produced by a multiplicity of sonar lobes generated by specific sonar emitters associated with each axis of movement for the UAV. The emitters produce individual and beamformed sonar lobes (80 102) that partially overlap to provide stereo or bioptic data in the form of individual echo responses detected by axis specific sonar detectors (40 68). In this way the on board controller is able to interpret and then generate 3 D spatial imaging of the physical environment in which the UAV is currently moving or positioned. The controller is therefore able to plot relative and absolute movement of the UAV through the 3 D space by recording measurements from on board gyroscopes (342) magnetometers (344) and accelerometers (346). Data from the sonar bubble can therefore both proactively prevent collisions with objects by imposing a corrective instruction to rotors (12 18) and other flight control system and can also assess and compensate for sensor drift.

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

(22) Date of filing of Application :20/05/2015

(21) Application No.4305/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : PENETRANTS FOR AGROCHEMICAL FORMULATIONS

<ul> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:A01N25/30A01N51/00A01P7/04 :1220886.4 :20/11/2012 :U.K. :PCT/GB2013/053043 :19/11/2013 :WO 2014/080190 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)CRODA INTERNATIONAL PLC Address of Applicant :Cowick Hall Snaith Goole Yorkshire DN14</li> <li>9AA U.K.</li> <li>(72)Name of Inventor :</li> <li>1)BLEASE Trevor Graham</li> <li>2)KNIGHT Kathryn Marie</li> </ul>
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(57) Abstract :

An agrochemical formulation comprising a penetrant and an agrochemical active. The penetrant is an esterified and/or etherified polyol alkoxylate obtainable by directly esterifying and/or etherifying a polyol alkoxylate. There is also provided a method of making the penetrant comprising alkoxylation of a polyol and esterification or etherification of the formed poyol alkoxylate. The penetrant is suitable for use in agrochemical formulations to enhance penetration of the active across a leaf cuticle.

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

(19) INDIA

(22) Date of filing of Application :20/05/2015

(43) Publication Date : 16/10/2015

# (54) Title of the invention : EXPANSION RADIATOR FOR A HERMETICALLY CLOSED ELECTRICAL TRANSFORMER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H01F27/14F28F9/02F28D1/03 :NA :NA :NA :PCT/EP2012/075233 :12/12/2012 :WO 2014/090296 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant :Wittelsbacherplatz 2 80333 M!/4nchen Germany</li> <li>(72)Name of Inventor :</li> <li>1)PEINBAUER Richard</li> <li>2)WENIGER Martin</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to an expansion radiator for a hermetically closed electrical transformer or a throttle to which a heat exchange fluid is delivered via an inflow means (2) is passed through an expansion shaft cavity (7) formed by an expansion shaft (9) and an associated cover part (6) and then is drained off via outflow means (12) characterised in that a flow guiding part (5) which steers the flow direction of the heat exchange fluid is arranged in a mouth region (4) between the inflow means (2) and the expansion shaft cavity (7).

No. of Pages : 18 No. of Claims : 11

(22) Date of filing of Application :20/05/2015

(21) Application No.4307/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : A CATALYST SYSTEM USEFUL IN PERFORMING ALCOHOLYSIS REACTIONS •

(51) International classification	:B01J38/56	(71)Name of Applicant :
(31) Priority Document No	:12/029283	1)CATALYTIC DISTILLATION TECHNOLOGIES
(32) Priority Date	:11/02/2008	Address of Applicant :10100 Bay Area Blvd. Pasadena Texas 77507
(33) Name of priority country	:U.S.A.	USA U.S.A.
(86) International Application No	:PCT/US2009/032309	(72)Name of Inventor :
Filing Date	:29/01/2009	1)J. YONG RYU
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:5257/DELNP/2010	
Filed on	:21/07/2010	

(57) Abstract :

A catalyst system useful in performing alcoholysis reactions the catalyst system comprising: a solid alcoholysis catalyst disposed in a reactor; and a trace amount of soluble organometallic compound or a mixture of soluble organometallic compounds that is/are transported through the reactor and contacted with the solid alcoholysis catalyst; wherein the soluble organometallic compound(s) and the solid alcoholysis catalyst each independently comprise a Group II to Group VI element.

No. of Pages : 98 No. of Claims : 17

(22) Date of filing of Application :20/05/2015

(21) Application No.4308/DELNP/2015 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : GENERAL POWER OUTLET AND REMOTE SWITCH MODULE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:H02J3/00H02J13/00H01R13/00 :2012904902 :07/11/2012 :Australia :PCT/AU2013/001274 :04/11/2013 :WO 2014/071444	<ul> <li>(71)Name of Applicant :</li> <li>1)CLIPSAL AUSTRALIA PTY LTD Address of Applicant :78 Waterloo Road Macquarie Park 2113 New </li> <li>South Wales Australia (72)Name of Inventor : 1)GRANSBURY Kenneth Basil 2)GHEZZI Ronni Angelo</li></ul>
<ul> <li>(67) International Fublication 1(6)</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA	

(57) Abstract :

A remote switch module is used to control the sockets of a general power outlet (GPO) to provide greater control and flexibility compared to standard GPOs. The GPO comprises a socket and power module for supplying power to the socket. A control module comprises a communication module for receiving a switching signal from a remote switch module and switches the power supply state to the power module based upon the switching signal. The remote switch module comprises a switch actuator power supply module and a remote communications module for transmitting a switching signal to the control module. The remote switch module may be a mobile computing device (eg mobile phone) or it may be a dedicated device. The remote switch module may be designed to attach to the GPO and may include status indicators. A security module may also be used to ensure only authorised users can control a GPO.

No. of Pages : 34 No. of Claims : 36

(19) INDIA

(22) Date of filing of Application :08/06/2012

(21) Application No.1774/DEL/2012 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : NOVEL PROCESSES FOR THE PREPARATION OF VARIOUS POLYMORPHIC FORMS OF ALISKIREN HEMIFUMARATE

(51) International classification	:C07C	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MOREPEN LABORATORIES LIMITED
(32) Priority Date	:NA	Address of Applicant : VILLAGE & P.OMASULKHANA
(33) Name of priority country	:NA	PARWANOO DISTTSOLAN HIMACHAL PRADESH 173220 INDIA
(86) International Application No	:NA	Himachal Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)SANJAY SURI
(61) Patent of Addition to Application Number	:NA	2)MADAN PAL TANWAR
Filing Date	:NA	3)GIAN CHAND VERMA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to the novel processes for the preparation of various polymorphic forms of Aliskiren Hemifumarate.

No. of Pages : 0 No. of Claims : 0

(22) Date of filing of Application :15/05/2015

(21) Application No.4170/DELNP/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : RADIATION DETECTORS AND METHODS OF MANUFACTURE OF RADIATION DETECTORS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G01T1/16 :1220767.6 :19/11/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)BAE SYSTEMS PLC</li> <li>Address of Applicant :6 Carlton Gardens London SW1Y 5AD U.K.</li> </ul>
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:U.K. :PCT/GB2013/053021	(72)Name of Inventor : 1)MORGAN Russell Alan
Filing Date (87) International Publication No	:15/11/2013 :WO 2014/076492	
(61) Patent of Addition to Application Number	:NA	
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

(57) Abstract :

Radiation detectors are disclosed. The radiation detectors comprise a substrate (100) and at least one radiation sensitive region on the substrate the at least one radiation sensitive region comprising an array of elongate nanostructures (210) projecting from the substrate. Methods of manufacture of such radiation detectors are also disclosed.

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

(22) Date of filing of Application :15/05/2015

(21) Application No.4172/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : THERAPEUTIC AGENT FOR AMYOTROPHIC LATERAL SCLEROSIS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:A61K45/00A61K38/04A61P21/02 :2012234300 :24/10/2012 :Japan :PCT/JP2013/078743 :23/10/2013 :WO 2014/065341 1:NA	<ul> <li>(71)Name of Applicant :</li> <li>1)DAIICHI SANKYO COMPANYLIMITED Address of Applicant :3 5 1Nihonbashi HonchoChuo ku Tokyo 1038426 Japan</li> <li>(72)Name of Inventor :</li> <li>1)MATSUO Tsuyoshi</li> <li>2)MURAYAMA Norihito</li> <li>3)FURUYA Mayumi</li> </ul>
<ul> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> </ul>	:NA :NA :NA	3)FURUYA Mayumi
Filing Date	:NA	

(57) Abstract :

The present invent addresses the problem of providing a medicine for treating amyotrophic lateral sclerosis a disease for which there is currently no effective therapeutic agent and provides a therapeutic agent for amyotrophic lateral sclerosis that contains a growth hormone secretagogue receptor (GHS R) agonist or a pharmaceutically acceptable salt thereof. The therapeutic agent for amyotrophic lateral sclerosis contains a GHS R agonist such as ghrelin and is for administration to an individual who is suffering from amyotrophic lateral sclerosis and who does not exhibit severe dysphagia. The individual may be an individual who is unresponsive or insufficiently responsive to existing therapeutic agents for ALS.

No. of Pages : 59 No. of Claims : 27

(22) Date of filing of Application :15/05/2015

(21) Application No.4173/DELNP/2015 A

(43) Publication Date : 16/10/2015

### (54) Title of the invention : NETWORK NODE AND METHOD FOR ALLOCATING UPLINK RADIO RESOURCES

(57) Abstract :

Method in a network node for allocating UL radio resources to a pair of D2D devices comprising a first wireless device and a second wireless device the network node and the D2D pair being comprised in a wireless communications network the method comprising: assigning a common DL control signalling message for the pair of D2D devices; and allocating UL radio resources to the first wireless device and the second wireless device so that the UL radio resources allocated to the first wireless device are separated from the UL radio resources allocated to the second wireless device by applying one or more of a time offset a frequency offset and a code division multiplexing offset between the UL radio resources allocated to the first wireless device wherein the allocating UL radio resources is based on the common DL control signalling message.

No. of Pages : 52 No. of Claims : 24

(22) Date of filing of Application :21/07/2015

(21) Application No.6393/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : TIRE HOLDING DEVICE AND TIRE TESTING SYSTEM

(51) International classification	:G01M17/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MITSUBISHI HEAVY INDUSTRIES MACHINERY
(32) Priority Date	:NA	TECHNOLOGY CORPORATION
(33) Name of priority country	:NA	Address of Applicant :6-22 KAN-ON-SHIN-MACHI 4-
(86) International Application No	:PCT/JP2014/060486	CHOMENISHI-KU HIROSHIMA-SHIHIROSHIMA 733-8553 JAPAN
Filing Date	:11/04/2014	Japan
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)TACHIBANAMAKOTO
Filing Date	:NA	2)IMAMURA MORIHIRO
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A tire holding device includes a guide (50) which is provided between a pair of conveyors (27a and 27b) in a plan view and is provided on at least one of an upstream side and a downstream side of any one of an upper rim (26A) and a lower rim (26B) in a tire transport direction and the guide (50) guides a tire (T) so that the center of the tire (T) is coincident with the center of any one of the upper rim (26A) and the lower rim (26B) in the tire transport direction as the tire (T) approaches any one of the upper rim (26A) and the lower rim (26B) by means of a lifting device (29).

No. of Pages : 40 No. of Claims : 9

(22) Date of filing of Application :10/04/2014

(43) Publication Date : 16/10/2015

## (54) Title of the invention : HIERARCHICAL POROUS MONOLITHS AND METHODS FOR THEIR PREPARATION AND USE

(51) International classification	:B01J	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY KANPUR
(32) Priority Date	:NA	Address of Applicant :Kanpur - 208016 Uttar Pradesh India Uttar
(33) Name of priority country	:NA	Pradesh India
(86) International Application No	:PCT// /	(72)Name of Inventor :
Filing Date	:01/01/1900	1)Ashutosh SHARMA
(87) International Publication No	: NA	2)Shishir KATIYAR
(61) Patent of Addition to Application Number	:NA	3)Kunal MONDAL
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Methods of forming a hierarchical porous monolith are provided. The methods include mixing a monomer a silica precursor and a catalyst in a solvent to form a mixture. The methods also include adding a gelling agent to the mixture to form a polymer-silica composite gel. The polymer-silica composite gel undergoes a phase separation to separate from the solvent and the unreacted silica precursor. The method further includes drying the polymer-silica composite gel to evaporate the solvent to form a polymer- silica monolith and processing the polymer-silica monolith to form at least one of a polymer monolith a carbon monolith a silica monolith and a carbon- silica monolith.

No. of Pages : 38 No. of Claims : 10

(22) Date of filing of Application :08/06/2012

(21) Application No.1763/DEL/2012 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : METHOD FOR MULTI-GEAR SHAVING AND ITS APPLICATION THEREOF

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:F16B :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SHIVAM AUTOTECH LIMITED</li> <li>Address of Applicant :303 3RD FLOOR SQUARE ONE C-2 SAKET</li> </ul>
(33) Name of priority country	:NA	DISTRICT CENTRE SAKET NEW DELHI-110017 INDIA Delhi India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MR. NEERAJ MUNJAL
(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 method for multi-gear shaving and its application thereof towards shaving and refining more than one gear work-pieces simultaneously using single gear shaving cutter preferably on an automatic dry gear shaving machine; wherein said gear shaving operation mainly involves a work-arbor loaded with a virtual gear work piece comprising of preferably plurality of gear work-pieces with or without plurality of spacer elements therein stacked together on the work-arbor; a gear shaving cutter suitable for shaving on the complete cylindrical surface of said virtual gear workpiece.

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

(22) Date of filing of Application :08/06/2012

(21) Application No.1764/DEL/2012 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : METHOD FOR MULTI-GEAR HOBBING AND ITS APPLICATION THEREOF

<ul> <li>(71)Name of Applicant :</li> <li>1)SHIVAM AUTOTECH LIMITED Address of Applicant :303 3RD FLOOR SQUARE ONE C-2 SAKET DISTRICT CENTRE SAKET NEW DELHI-110017 INDIA Delhi India (72)Name of Inventor : 1)MR. NEERAJ MUNJAL </li> </ul>

(57) Abstract :

A method for multi-gear hobbing and its application thereof towards hobbing more than one gear work-pieces simultaneously using single hob cutter preferably on an automatic dry hob milling machine; wherein said hobbing operation mainly involves a work-arbor loaded with a virtual gear work piece comprising of preferably plurality of gear work-pieces with or without plurality of spacer elements therein stacked together on the work-arbor; a hob cutter suitable for hobbing on the complete cylindrical surface of said virtual gear work-piece; and effective fume control module and air cooling system preferably as essential part of the automatic dry hobbing machines.

No. of Pages : 16 No. of Claims : 10

(22) Date of filing of Application :18/05/2015

(21) Application No.4228/DELNP/2015 A

## (43) Publication Date : 16/10/2015

#### (54) Title of the invention : LITHIUM SECONDARY BATTERY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> <li>(87) International Publication</li> </ul> </li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:H01M10/0567H01M10/0569H01M4/60 :1020130128641 :28/10/2013 :Republic of Korea :PCT/KR2014/010137 :27/10/2014 :WO 2015/064987 :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>LG CHEM LTD.</li> <li>Address of Applicant :128 Yeoui daero Yeongdeungpo gu Seoul 150</li> </ol> </li> <li>721 Republic of Korea <ol> <li>(72)Name of Inventor : <ol> <li>YU Sung Hoon</li> <li>LEE Kyung Mi</li> <li>YANG Doo Kyung</li> <li>KANG Yoo Sun</li> </ol> </li> <li>5)LEE Jung Hoon</li> </ol></li></ul>
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(57) Abstract :

The present invention can improve lifespan characteristics of a lithium secondary battery and in particular can provide a non aqueous electrolyte or a cathode containing a phosphate based compound stable at high temperature and high pressure and exhibiting excellent lifespan characteristics regardless of the electrode water content or the presence of pressure.

No. of Pages : 59 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :18/05/2015

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : TRACKING MEMORY BANK UTILITY AND COST FOR INTELLIGENT POWER UP DECISIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G06F1/26G06F12/08 :13/676805 :14/11/2012 :U.S.A	1)ADVANCED MICRO DEVICES INC. Address of Applicant :One AMD Place Sunnyvale California 94088 U.S.A. (72)Name of Inventor :
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(57) Abstract :

A device receives an indication that a memory bank is to be powered up and determines based on receiving the indication power scores corresponding to powered down memory banks. Each power score corresponds to a power metric associated with powering up a powered down memory bank. The device powers up a selected memory bank based on the plurality of power scores.

No. of Pages : 40 No. of Claims : 20

(22) Date of filing of Application :20/05/2015

(21) Application No.4300/DELNP/2015 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : CONTAINER HAVING MAGNETIC IMPELLER ASSEMBLY WITH HOOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:05/11/2013	<ul> <li>(71)Name of Applicant :</li> <li>1)EMD MILLIPORE CORPORATION <ul> <li>Address of Applicant :290 Concord Road Billerica Massachusetts</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)MORRISSEY Martin</li> </ul> </li> </ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:WO 2014/085034 :NA :NA :NA	2)PEREIRA Brian
Filing Date	:NA	

(57) Abstract :

A disposable container such as a deformable bag for a fluid having one or more inlets and one or more outlets and an impeller assembly within the container to cause mixing dispersing homogenizing and/or circulation of one or more ingredients contained or added to the container. The impeller assembly has a protective hood surrounding at least a portion of the moveable blades or vanes of the impeller assembly and being above at least a portion of the blades or vanes. The hood surrounds the blades or vanes and arcs over the height of the blades or vanes. The hood is shaped in a dome shape or semi spherical shape that is around and above the impeller blades and acts as a protector for the container surface against the impeller assembly both during shipping and storage as well as when in use particularly at lower liquid levels.

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

(22) Date of filing of Application :20/05/2015

(21) Application No.4301/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : TUBULAR JOINT

(51) International classification	:F16L21/035F16L57/06F16L58/18	(71)Name of Applicant :
(31) Priority Document No	:12 61137	1)SAINT GOBAIN PAM
(32) Priority Date	:22/11/2012	Address of Applicant :21 Avenue Camille Cavallier F 54700 Pont
(33) Name of priority country	:France	Mousson France
(86) International Application No	:PCT/EP2013/074476	(72)Name of Inventor :
Filing Date	:22/11/2013	1)GRASSER Johan
(87) International Publication No	:WO 2014/079974	2)GENELOT Pierre
(61) Patent of Addition to Application	<sup>1</sup> :NA	3)GRASSI Gabriel
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	er:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a tubular joint including a fitting end (6) connected to a shaft (8) and a spigot end (4) which is insertable into the fitting end (6) and which includes a common portion. The fitting end (6) includes a base body (10) provided with a fitting groove (12) a bottom groove (20) and a fitting bottom (22). The fitting end (6) includes a protection member (26) which is arranged on the fitting bottom (22) and which protects the fitting bottom from contact with the spigot end (4). The protection member (26) includes an axial bottom abutment (27A) and a skirt (27B). The skirt and the spigot end are suitable for allowing an angular deviation of the spigot end (4) relative to the fitting end (6) of at least 2° when the spigot end is in partial contact with the axial bottom abutment (7A).

No. of Pages : 17 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :20/05/2015

#### (21) Application No.4302/DELNP/2015 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : AN ELECTRON CONSUMING ETHANOL PRODUCTION PATHWAY TO DISPLACE GLYCEROL FORMATION IN *S. CEREVISIAE* 

(51) International classification	:C12N9/04C12N9/02C12N9/10	(71)Name of Applicant :
(31) Priority Document No	:61/728450	1)LALLEMAND HUNGARY LIQUIDITY MANAGEMENT LLC
(32) Priority Date	:20/11/2012	Address of Applicant : Wesselenyi utca 16 3rd Floor Budapest
(33) Name of priority country	:U.S.A.	Hungary
(86) International Application No	:PCT/US2013/070964	(72)Name of Inventor :
Filing Date	:20/11/2013	1)SHAW IV Arthur J.
(87) International Publication No	:WO 2014/081803	2)ARGYROS Aaron
(61) Patent of Addition to Application	NT A	3)BARRETT Trisha
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides for a mechanism to completely replace the electron accepting function of glycerol formation with an alternative pathway to ethanol formation thereby reducing glycerol production and increasing ethanol production. In some embodiments the invention provides for a recombinant microorganism comprising a down regulation in one or more native enzymes in the glycerol production pathway. In some embodiments the invention provides for a recombinant microorganism comprising an up regulation in one or more enzymes in the ethanol production pathway.

No. of Pages : 244 No. of Claims : 60

(22) Date of filing of Application :18/05/2015

(21) Application No.4215/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : COMBINATION GAME CONTROLLER AND INFORMATION INPUT DEVICE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G06F3/042A63F13/655 :13/681153 :19/11/2012	(71)Name of Applicant : 1)WIKIPAD INC.
(32) Name of priority country	:U.S.A.	Address of Applicant :1801 Century Park East Suite 2400 Los Angeles CA 90067 U.S.A.
(86) International Application No	:PCT/US2012/065905	(72)Name of Inventor :
Filing Date	:19/11/2012	1)JOYNES Matthew R.
(87) International Publication No	:WO 2014/077851	2)BOWER James
(61) Patent of Addition to Application Number	:NA	3)DOOLEY Daniel P.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An apparatus generally directed to a combination game controller and information input device. The combination preferably includes a tablet computer providing a plurality of sides in which each of the sides are disposed between an electronic display screen and a back of the tablet computer. The combination further preferably includes an input device in electronic communication with the tablet computer the input device providing side structures adjacent to and confining the tablet computer on at least two opposing sides of the tablet computer The input device further preferably providing input module apertures each input module aperture selectively accepts either a game control module or a removable keyboard module. The input module apertures are preferably adjacent each of the at least two opposing sides of the tablet computer and a camera communicating with each the input device and the tablet computer the camera selectively capturing either still or video images.

No. of Pages : 23 No. of Claims : 19

(22) Date of filing of Application :13/06/2015

(21) Application No.5161/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : CONTINUOUSLY VARIABLE TRANSMISSION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:F16H3/00 :61/727689 :17/11/2012 :U.S.A. :PCT/US2013/070177 :14/11/2013 :WO 2014/078583 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)DANA LIMITED Address of Applicant :P.O. Box 1000 Maumee OH 43537 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)HAKA Raymond James</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract :

A continuously variable transmission provides an increased transmission speed ratio with fewer parts. A kinematic arrangement can provide at least a squared kinematic arrangement of the variator for two or more modes for example and can provide an increased range transmission speed ratio with fewer moving parts. In many embodiments the continuously variable transmission provides synchronous gear ratios and a continuously variable speed ratio.

No. of Pages : 27 No. of Claims : 13

#### (19) INDIA

(22) Date of filing of Application :18/05/2015

(43) Publication Date : 16/10/2015

## (54) Title of the invention : SYSTEM METHOD AND COMPUTER PROGRAM FOR PROVIDING A MULTI MERCHANT ELECTRONIC SHOPPING CART FOR A SHOPPING SERVICE

(51) International classification	:G06Q30/06	(71)Name of Applicant :
(31) Priority Document No	:13/666134	1)EBATES INC.
(32) Priority Date	:01/11/2012	Address of Applicant :160 Spear St. Suite 1900 San Francisco CA
(33) Name of priority country	:U.S.A.	94105 U.S.A.
(86) International Application No	:PCT/US2013/066691	(72)Name of Inventor :
Filing Date	:24/10/2013	1)JOHNSON Kevin H.
(87) International Publication No	:WO 2014/070591	2)CHATTERJEE Tanuj
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system method and computer program are provided for providing a multi merchant electronic shopping cart within a web browser. The shopping cart can be used at a plurality of unrelated merchant shopping sites and remains within the browser regardless of the displayed website. When a user selects the shopping cart a user interface is displayed with information about a product on the website without navigating to a new webpage. If the product has options the user is able to select for the options via the user interface. The user is also able to save products from a plurality of shopping sites to the shopping cart or purchase products from the shopping cart at one time. For each product to be purchased a purchase transaction is conducted on behalf of the user with the merchant associated with the website from which the user added the product to the shopping cart.

No. of Pages : 47 No. of Claims : 31

(22) Date of filing of Application :18/05/2015

(21) Application No.4224/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : GROUP AUTHENTICATION AND KEY MANAGEMENT FOR MTC

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:H04W12/04H04W4/00H04W12/02 :2012267255 :06/12/2012 :Japan :PCT/JP2013/083274 :04/12/2013 :WO 2014/088120 :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>NEC CORPORATION Address of Applicant :7 1 Shiba 5 chome Minato ku Tokyo 1088001 </li> <li>Japan  </li> <li>(72)Name of Inventor : 1)ZHANG Xiaowei </li> <li>2)PRASAD Anand Raghawa</li> </ol></li></ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

An SCS (60) sends out a trigger message for activating a group of MTC devices  $(10_1 \text{ to } 10_n)$  through a network. An HSS (40) verifies whether or not to transfer the trigger message to the given MTC devices  $(10_1 \text{ to } 10_n)$  based on subscription information of the group. A group GW (20) broadcasts the trigger message. Further An MME (30) concatenates DL (downlink) messages addressed to the MTC devices  $(10_1 \text{ to } 10_n)$ . The group GW (20) distributes to the MTC devices  $(10_1 \text{ to } 10_n)$  the DL messages included in the concatenated message. Furthermore the group GW (20) concatenates UL (uplink) messages received from the MTC devices  $(10_1 \text{ to } 10_n)$ . The MME (30) processes the UL messages included in the concatenated message.

No. of Pages : 26 No. of Claims : 31

(19) INDIA

(22) Date of filing of Application :20/05/2015

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : MINERAL SUSPENDING AGENT METHOD OF MAKING AND USE THEREOF

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(22) Priority Determined</li></ul>	:B65G51/01E21C41/00E21C45/00 :13/664948	1)ACTIVE MINERALS INTERNATIONAL
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:31/10/2012 :U.S.A.	Address of Applicant :6 North Park Drive Suite 105 Hunt Valley Maryland 21030 U.S.A.
(86) International Application No	:PCT/US2013/066114	(72)Name of Inventor :
Filing Date	:22/10/2013	1)PURCELL Robert J. Jr.
(87) International Publication No	:WO 2014/070519	2)PARKER Dennis C.
(61) Patent of Addition to Application	:NA	3)LYMAN Matthew J.
Number Filing Date	:NA	4)SMITH James M.
(62) Divisional to Application Numbe	r:NA	
Filing Date	:NA	

(57) Abstract :

A method of transporting solid particulates in an aqueous suspension of the solid particulates comprising dispersing solid particulates in an aqueous liquid in the presence of at least one mineral suspending agent wherein solid particulates are transported a distance greater than or equal to 200m.

No. of Pages : 49 No. of Claims : 20

(22) Date of filing of Application :20/05/2015

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : APROTININ DERIVED POLYPEPTIDE ANTIBODY CONJUGATES

(51) International classification	:C07K19/00A61K47/48A61P35/00	(71) Name of Applicant
(31) Priority Document No	:61/725365	1)ANGIOCHEM INC.
(32) Priority Date	:12/11/2012	Address of Applicant :201 President Kennedy Avenue Suite PK R220
(33) Name of priority country	:U.S.A.	Montral Qubec H2X 3Y7 Canada
(86) International Application No	:PCT/CA2013/050863	(72)Name of Inventor :
Filing Date	:12/11/2013	1)TRIPATHY Sasmita
(87) International Publication No	:WO 2014/071531	2)DEMEULE Michel
(61) Patent of Addition to Application	':NA	3)CURRIE Jean Christophe
Number		
Filing Date	:NA	
(62) Divisional to Application	:NA	
Number		
Filing Date	:NA	

(57) Abstract :

The present invention relates to protein conjugates comprising an aprotinin derived polypeptide which facilitates transport of the conjugate across the blood brain barrier and an antibody moiety that selectively binds a target within the CNS. The protein conjugates are further defined by the inclusion of a linker; by the number of polypeptides conjugated to each antibody moiety; by the positions at which the antibody moiety and the polypeptides are conjugated; and by the larger configuration of the conjugate (in which every polypeptide is linked only to the antibody moiety). Modified aprotinin derived polypeptides linker bound antibody moieties pharmaceutical compositions kits and methods of making and using the protein conjugates are also features of the invention.

No. of Pages : 60 No. of Claims : 50

(22) Date of filing of Application :20/05/2015

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : METHODS FOR PRODUCING CARBON NANOSTRUCTURE COATED FIBERS

(51) International classification	:B82Y40/00C08K3/04B05D5/12	(71)Name of Applicant :
(31) Priority Document No	:61/733302	1)APPLIED NANOSTRUCTURED SOLUTIONS LLC
(32) Priority Date	:04/12/2012	Address of Applicant :2323 Eastern Blvd. Baltimore MD 21220
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2013/072875	(72)Name of Inventor :
Filing Date	:03/12/2013	1)SHAH Tushar K.
(87) International Publication No	:WO 2014/089081	2)LIU Han
(61) Patent of Addition to Application	:NA	3)GOLDFINGER Jess Michael
Number	:NA :NA	4)MORBER John J.
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Carbon nanostructures can convey enhanced electrical conductivity to various substrates while maintaining a high surface area and low density per unit area. Such substrates can provide good shielding against electromagnetic radiation over a wide range of frequencies. Electrically conductive structures can include a support layer containing a plurality of fibers having apertures defined between the fibers and a plurality of carbon nanostructures at least partially conformally coating the fibers and bridging across the apertures defined between adjacent fibers to form a continuous carbon nanostructure layer. Each carbon nanostructure can include a plurality of carbon nanotubes that are branched crosslinked and share common walls with one another.

No. of Pages : 74 No. of Claims : 31

(19) INDIA

(22) Date of filing of Application :15/05/2015

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : AMUSEMENT RIDE VEHICLE AND VEHICLE CONTROL SYSTEM

(51) International classification (31) Priority Document No	:A63G21/00A63G21/18A63G7/00 :61/716200	(71)Name of Applicant : 1)PROSLIDE TECHNOLOGY INC.
(32) Priority Date	:19/10/2012	Address of Applicant :2650 Queensview Drive Suite 150 Ottawa
(33) Name of priority country	:U.S.A.	Ontario K2B 8H6 Canada
(86) International Application No	:PCT/CA2013/050794	(72)Name of Inventor :
Filing Date	:21/10/2013	1)SMEGAL Raymond T.
(87) International Publication No	:WO 2014/059551	2)HUNTER Richard D.
(61) Patent of Addition to Application	:NA	
Number Filing Date	:NA	
(62) Divisional to Application Number	::NA	
Filing Date	:NA	

(57) Abstract :

AN AMUSEMENT RIDE VEHICLE HAS A BODY AND AT LEAST ONE OF RECESSES AND PROTRUSIONS ON A PERIMETER SURFACE OF BODY. THE AT LEAST ONE OF RECESSES AND PROTRUSIONS DEFINING FLUID IMPACT SURFACES. THE FLUID IMPACT SURFACES BEING AT AN ANGLE TO AN INTENDED DIRECTION OF MOTION OF THE VEHICLE. THE FLUID IMPACT SURFACES ARE ADAPTED TO AFFECT MOTION OF THE VEHICLE WHEN THE FLUID IMPACT SURFACES ARE IMPACTED BY A FLUID.

No. of Pages : 50 No. of Claims : 33

#### (19) INDIA

(22) Date of filing of Application :16/05/2015

(43) Publication Date : 16/10/2015

## (54) Title of the invention : ACTIVE HOST AND BACKUP HOST IN A HOST ARRANGEMENT FOR COMMUNICATING WITH A TERMINAL CONNECTED TO AN IP NETWORK

(51) Internetional algoritication	.11041 20/0811041 20/12	(71)Nome of Ameliaant
(51) International classification	:H04L29/08H04L29/12	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
(32) Priority Date	:NA	Address of Applicant :S 164 83 Stockholm Sweden
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:PCT/SE2012/051465	1)WOLLBRAND Per
Filing Date	:20/12/2012	2)AMMERVIK Clarence
(87) International Publication No	:WO 2014/098681	3)T–RNKVISTke
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method in a host arrangement for communicating with a terminal connected to an IP communication network. The arrangement comprises at least two hosts one operating as active host and the remaining at least one host operating as backup host(s). The arrangement is connected to the IP communication network by means of a switch wherein each host of the arrangement is connected to the switch by means of an individual link the active host being associated with an IP and a MAC address. The method comprises detecting (110) a link failure between the active host and the switch or a malfunction of the active host; and determining (120) a backup host to takeover. The method comprises associating (130) the IP and the MAC address of the active host to the determined backup host to take over; and triggering (140) a MAC learning process in the switch.

No. of Pages : 49 No. of Claims : 42

(19) INDIA

(22) Date of filing of Application :18/05/2015

(21) Application No.4217/DELNP/2015 A

(43) Publication Date : 16/10/2015

## (54) Title of the invention : CONTROL OF RIPENING AND SENESCENCE IN PRE HARVEST AND POST HARVEST PLANTS AND PLANT MATERIALS

(51) International classification	:A01G7/06A01G7/00	(71)Name of Applicant :
(31) Priority Document No	:61/719859	1)WASHINGTON STATE UNIVERSITY
(32) Priority Date	:29/10/2012	Address of Applicant :1610 NE Eastgate Boulevard Suite 650
(33) Name of priority country	:U.S.A.	Pullman WA 99163 U.S.A.
(86) International Application No	:PCT/US2013/065556	(72)Name of Inventor :
Filing Date	:18/10/2013	1)DHINGRA Amit
(87) International Publication No	:WO 2014/070476	2)HENDRICKSON Christopher
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Methods of controlling the maturation of plants and/or plant products (e.g. fruit vegetable ornamentals etc.) by manipulating Alternative Oxidase (AOX) activity. An increase in activity hastens the maturation process while a decrease in activity slows or stops maturation.

No. of Pages : 26 No. of Claims : 20

(22) Date of filing of Application :18/05/2015

(43) Publication Date : 16/10/2015

# (54) Title of the invention : A THREE PHASE AC ELECTRICAL SYSTEM AND A METHOD FOR COMPENSATING AN INDUCTANCE IMBALANCE IN SUCH A SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:H02M7/00H02J3/26H02J3/38 :PA 2012 70761 :06/12/2012 :Denmark :PCT/DK2013/050399 :25/11/2013 :WO 2014/086363	<ul> <li>(71)Name of Applicant :</li> <li>1)VESTAS WIND SYSTEMS A/S Address of Applicant :Hedeager 42 8200 Aarhus N Denmark</li> <li>(72)Name of Inventor :</li> <li>1)ZAGRODNIK Michael Adam</li> </ul>
<ul> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	

(57) Abstract :

A method for compensating an inductance imbalance in a three phase alternating current electrical system is provided. An inductance imbalance is determined in the three phase electrical system an induction compensation device is selected based on the determination and thereafter applied within the three phase electrical system. The induction compensation device is applied onto a power cable within the electrical system. A three phase electrical system wherein an inductance imbalance is addressed with an inductance compensation device is further provided. A wind turbine generator comprising such a three phase AC electrical system.

No. of Pages : 32 No. of Claims : 20

(22) Date of filing of Application :18/05/2015

(21) Application No.4219/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : POWER MANAGEMENT SYSTEM

(51) International classification	:H02J3/00	(71)Name of Applicant :
(31) Priority Document No	:61/723264	1)POWERHIVE INC.
(32) Priority Date	:06/11/2012	Address of Applicant :55 Harrison Street 3rd Floor Oakland
(33) Name of priority country	:U.S.A.	California 94607 U.S.A.
(86) International Application No	:PCT/US2013/068789	(72)Name of Inventor :
Filing Date	:06/11/2013	1)HORNOR Christopher N.
(87) International Publication No	:WO 2014/074626	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A power distribution platform is provided to deliver electrical power to end users who lack a reliable connection to the public electrical grid. This power distribution platform includes a microgrid controller that provides power and manages account status information for a plurality of end user destinations. Customers may prepay for electrical service using a mobile phone and any mobile payment provider. These prepayment amounts are processed by a host system provided using a cloud computing platform and then transmitted for local storage on the microgrid controller. The microgrid controller monitors power usage from each end user destination and when a particular end user destination is running low on prepaid credits an alert may be transmitted to the user's mobile device reminding the user to make additional prepayments for continued service.

No. of Pages : 15 No. of Claims : 12

(22) Date of filing of Application :16/04/2012

(21) Application No.1171/DEL/2012 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : APPARATUS FOR INWARD FOLDING OF A CORNER OF A TUBULAR FABRIC

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:NA :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LOHIA STARLINGER LIMITED Address of Applicant :D3/A PANKI INDUSTRIAL ESTATE KANPUR - 208 022 Uttar Pradesh India (72)Name of Inventor : 1)LOHIA AMIT KUMAR</li></ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA :NA :NA	
Filing Date	:NA	

(57) Abstract :

Cushion type sacks are typically made from woven tubular fabric (coated or uncoated). The filling valve is formed by inward folding of any one corner of tubular fabric and transverse seaming/sealing of straight open edge. The valve forming process is usually manual labour-intensive and expensive and leads to loss of productivity and inconsistent product quality. Unlike in the case of the block bottom bags with valves (where the valve forming process is automated) the valve-making in the case of pillow-shaped sacks has proved more complicated to automate. The invention provides an apparatus (see Figure 4) for making an inward fold in a corner of a tubular fabric which is a prerequisite to forming a filling valve in the storage bags. The apparatus disclosed is stand alone and simple in construction efficient in its working and useable with any sack making apparatus that handles tubular fabric for sack making with or without minor modifications to the sack making apparatus to produce valved sacks of high quality at high speed.

No. of Pages : 39 No. of Claims : 22

(22) Date of filing of Application :31/05/2012

(21) Application No.1172/DEL/2012 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : A DEVICE AND METHOD FOR AUTOMATED MANUFACTURING OF SEWN VALVED SACKS

(51) International classification	:D06N1/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)LOHIA STARLINGER LIMITED
(32) Priority Date	:NA	Address of Applicant :D3/A PANKI INDUSTRIAL ESTATE
(33) Name of priority country	:NA	KANPUR - 208 022 Uttar Pradesh India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)LOHIA AMIT KUMAR
(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 device for making sealed pillow shaped sacks with inbuilt valves from woven fabric and an automated process of making such sacks is disclosed. The device comprises a conveying platform for conveying the fabric to various stations of the device an inward fold making station and sealing stations. The automated process of making pillow shaped sacks with inbuilt valves begins with providing tubular fabric which is cut to a specific length and preferably folded and sealed to form one sealed end. The step of folding is important for ensuring that the filled material does not leak from the sealed end. This is followed by processing of the other end into forming an inward fold further followed by folding and sealing of the free end of the sack such that a filling valve is formed and rest of the sack is fully sealed.

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

(22) Date of filing of Application :18/04/2012

(21) Application No.1202/DEL/2012 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : INTEGRATOR-SLEW RATE AND BANDWIDTH ENHANCEMENT IN RESET MODE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:NA :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)CYPRESS SEMICONDUCTOR CORPORATION <ul> <li>Address of Applicant :198 CHAMPION CT. SAN JOSE CA 95134</li> <li>U.S.A. U.S.A.</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)VM SARAVANAN</li> </ul> </li> </ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA	2)GERARD BALDWIN 3)PAUL WALSH 4)KAVEH HOSSEINI

(57) Abstract :

One way to sense a capacitance is to convert it to charge and measure the charge quantity. Charge and capacitance are related by Q=CV where Q=charge C=capacitance and V=voltage. The G3 G4 and G5 capacitance sense solutions convert the capacitance into charge by modulating the voltage across it and integrating the resulting current. On G4 this used an integration capacitor with two capacitors in feedback where one capacitor is always integrating while the second can be reset in parallel (see CD10109).

No. of Pages : 8 No. of Claims : 1

(22) Date of filing of Application :18/04/2012

(21) Application No.1203/DEL/2012 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : SINGLE PIN SUPER-CAP AND BATTERY FOR RTC

(51) International classification	:H05K	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CYPRESS SEMICONDUCTOR CORPORATION
(32) Priority Date	:NA	Address of Applicant :198 CHAMPION CT. SAN JOSE CA 95134
(33) Name of priority country	:NA	USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SRIKANTH R TIYYAGURA
(87) International Publication No	:NA	2)ARUN KHAMESRA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		L

(57) Abstract :

This invention would allow a product to have a single pin for connecting either a Super-Cap or Battery for backup power (when the External supply is switched off) versus having two separate pins one for the Super-Cap and one for the Battery. The Battery pin generally does not require charging whereas the super-cap pin would require charging when external supply is available. In a particular nvSRAM application this invention can be used for non-volatile devices (Like nvSRAM] where the user can set a register to specify whether a super-cap or a Battery is connected on the backup supply pin instead of having two backup supply pins - one for Super-Cap and one for Battery. Charging of the Super-cap will be done only if super-cap is connected. For that matter any device having a non-volatile register by means of Flash or Electrical Fuse can use this invention to having single pin for backup supply with battery or Super-Cap.

No. of Pages : 5 No. of Claims : 1

#### (19) INDIA

(22) Date of filing of Application :12/06/2012

(43) Publication Date : 16/10/2015

# (54) Title of the invention : MEMS BASED ENERGY EFFICIENT SENSORS ON OXIDE PLATFORM IN SILICON SUBSTRATE FOR DETECTION OF VOLATILE ORGANIC COMPOUNDS AND GASES

(51) International classification	:G06Q	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY DELHI
(32) Priority Date	:NA	Address of Applicant :HAUZ KHAS NEW DELHI-110016 INDIA
(33) Name of priority country	:NA	Delhi India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)CHANDRA SUDHIR
(87) International Publication No	: NA	2)PANDYA HARDIK JEETENDRA
(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 relates to a sensor more precisely energy efficient sensors on a silicon substrate for detecting gases and Volatile Organic Compounds (VOCs) especially vapours of methanol and a method of fabricating the sensor on the silicon substrate using trench formation backfill and Chemical Mechanical Polishing (CMP).

No. of Pages : 27 No. of Claims : 34

(22) Date of filing of Application :19/04/2012

(21) Application No.1209/DEL/2012 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : VARIABLE ROTATION SPEED MOTOR CONTROL SYSTEM AND THE METHOD THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:NA :NA :NA :NA :NA :na	<ul> <li>(71)Name of Applicant :</li> <li>1)WIZ ENERGY TECHNOLOGY CO. LTD. Address of Applicant :3F NO. 6 ALY 30 LN. 358 RUIGUANG RD. NEIHU DIST. TAIPEI CITY TAIWAN Taiwan</li> <li>(72)Name of Inventor :</li> <li>1)CHU-YUNG CHEN</li> <li>2)HSIANG-CHIH HSIEH</li> </ul>
(87) International Publication No (61) Patent of Addition to Application Number	:na :NA	2)HSIANG-CHIH HSIEH 3)CHIH-CHING YANG
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A variable rotation speed motor control system and method thereof comprising a status control module a DC/DC boost converter module a motor phase-current driver module a motor a phase-current detection module and a power supply module. The power supply module is able to use a battery for provision of lower voltage. When the rotation speed of a motor is sufficiently high it is possible to maintain proper torque output during high rotation speed of an electric vehicle by using the DC/DC boost converter module to boost the input voltage and by applying the phase advance through the status control module. With an appropriate design the motor control design according to the present invention can replace the conventional mechanical variable rotation speed system requiring mechanical variable speed system thereby simplifying the system and saving manufacturing costs.

No. of Pages : 27 No. of Claims : 7

(22) Date of filing of Application :11/07/2012

(21) Application No.1793/DEL/2012 A

(43) Publication Date : 16/10/2015

54) Title of the invention : HAND-HELD SECURITY DEVICE		
<ul> <li>54) Title of the invention : HAND-HELD SECURITY DEVICE</li> <li>51) International classification</li> <li>31) Priority Document No</li> <li>32) Priority Date</li> <li>33) Name of priority country</li> <li>86) International Application No Filing Date</li> <li>87) International Publication No</li> <li>61) Patent of Addition to Application Number Filing Date</li> <li>62) Divisional to Application Number Filing Date</li> </ul>	:A47J :NA :NA :NA :NA :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SUNIL CHAUHAN Address of Applicant :7/60 OLD DOUBLE STOREY LAJPAT NAGAR 4 NEW DELHI-110024 Delhi India</li> <li>2)SURINDER PAL SINGH</li> <li>(72)Name of Inventor :</li> <li>1)SUNIL CHAUHAN</li> <li>2)SURINDER PAL SINGH</li> </ul>

(57) Abstract :

A handheld security device comprising an elongated body with first end and second end; a self-defense spray disposed on the either end of the elongated body; a self defense impairing device comprising at least one catridge disposed on the elongated body which on actuation causes discharge of impairing material stored in it; at least on strip disposed on the elongated body for supply of electrical energy to give a shock; and an alert system disposed on either side of the elongated body in such a way requires to keep performing the conjoint action in order to keep alarm silent which otherwise would be raised automatically. Fig. 1

No. of Pages : 22 No. of Claims : 9

(22) Date of filing of Application :18/05/2015

(21) Application No.4206/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : DIFLUOROMETHYL NICOTINIC TETRAHYDRONAPHTYL CARBOXAMIDES

		(71)Norma of Annihoont
		(71)Name of Applicant :
(51) International classification	:C07D213/82A01N43/40	1)BAYER CROPSCIENCE AG
(31) Priority Document No	:12198297.9	Address of Applicant : Alfred Nobel Str. 50 40789 Monheim Germany
(32) Priority Date	:19/12/2012	(72)Name of Inventor :
(33) Name of priority country	:EPO	1)MAECHLING Simon
(86) International Application No	:PCT/EP2013/076639	2)SUDAU Alexander
Filing Date	:16/12/2013	3)WACHENDORFF NEUMANN Ulrike
(87) International Publication No	:WO 2014/095677	4)DUBOST Christophe
(61) Patent of Addition to Application Number	:NA	5)BERNIER David
Filing Date	:NA	6)CARLES Lionel
(62) Divisional to Application Number	:NA	7)VORS Jean Pierre
Filing Date	:NA	8)BRUNET Stphane
		9)LACHAISE HI ne

(57) Abstract :

The present invention relates to novel difluoromethyl nicotinic tetrahydronaphtyl carboxamides of formula (I) to processes for preparing these compounds to compositions comprising these compounds and to the use thereof for the control of harmful microorganisms in crop protection.

No. of Pages : 57 No. of Claims : 11

(22) Date of filing of Application :18/05/2015

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : NUTRITIONAL COMPOSITIONS CONTAINING A NEUROLOGIC COMPONENT AND USES THEREOF

(51) International classification	:A23L1/30A23L1/29A61K31/164	(71)Name of Applicant :
(31) Priority Document No	:13/739787	1)MJN U.S. HOLDINGS LLC
(32) Priority Date	:11/01/2013	Address of Applicant :2701 Patriot Blvd. 4th Floor Glenview IL
(33) Name of priority country	:U.S.A.	60026 U.S.A.
(86) International Application No	:PCT/US2013/074521	(72)Name of Inventor :
Filing Date	:12/12/2013	1)KUANG Chenzhong
(87) International Publication No	:WO 2014/109862	2)XIAO Yan
(61) Patent of Addition to Application	:NA	3)POELS Eduard K.
Number	:NA	4)JOUNI Zeina
Filing Date	.NA	5)HONDMANN Dirk
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure relates to nutritional compositions comprising a neurologic component wherein the neurologic component may promote brain and nervous system development and further provide neurological protection and repair. The neurologic component may include

phosphatidylethanolamine sphingomyelin cytidine diphosphate choline ceramide uridine at least one ganglioside and mixtures thereof. The disclosure further relates to methods of promoting brain and nervous system health by providing said nutritional compositions to target subjects which includes pediatric subjects.

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

(22) Date of filing of Application :17/04/2012

(21) Application No.1182/DEL/2012 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : TRACTOR WITH MULTI SPEED POWER TAKE OFF

<ul><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)STANDARD CORPORATION INDIA LTD.</li> <li>Address of Applicant :STANDARD CORPORATION (INDIA) LTD.</li> </ul>
	:NA :NA	STANDARD CHOWK BARNALA-148101 PUNJAB Punjab India (72)Name of Inventor :
Filing Date	:NA	1)NACHTTAR SINGH
	:NA :NA	
•••	:NA	
( ) II III	:NA :NA	

#### (57) Abstract :

The present invention relates to a power take off system for agricultural tractor in which the power take off shaft is projected from the rear end of the transmission case which in turn has a Power take off shaft speed mechanism for changing the number of rotations. The present invention also relates to a tractor transmission having an overdrive mechanism & variety of reverse drive speeds. A shift lever for shifting the reverse 8B forward change speed mechanism and an overdrive gear for accelerating and outputting drive inputted thereto. A tractor transmission system comprising a change speed mechanism a shift lever for shifting the movement of tractor to reverse or forward. An overdrive gear for accelerating the tractor speed shifting with ordinary speed change lever is also provided. The present invention further relates to a tractor transmission system having a side gear shifting lever for comfortable and easy to select speed of tractor. The shift lever for shifting the reverse & forward movement of tractor is also provided at left hand side of driver for easy & comfortable drive.

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

(22) Date of filing of Application :17/04/2012

(21) Application No.1183/DEL/2012 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : TRACTOR WITH HIGH LOW MEDIUM SPEED TRANSMISSION SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)STANDARD CORPORATION INDIA LTD. Address of Applicant :STANDARD CORPORATION (INDIA) LTD.</li> <li>STANDARD CHOWK BARNALA-148101 PUNJAB Punjab India</li> <li>(72)Name of Inventor :</li> <li>1)NACHTTAR SINGH</li> </ul>
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(57) Abstract :

The present invention in particular is designed so as to improve the work efficiency of a tractor with a transmission having a variety of speed as well as torque with an ordinary gear shifting mechanism. This object is fulfilled by a double stage epicycle reduction unit in a tractor transmission system comprising single stage change speed mechanism. A shift lever for use in High low medium mechanism for decelerating output speed is also provided. For having a medium and larger reduction ratio a single shifting lever for operating both medium and larger reduction and bye passing the reduction for variable speed and torque at same engine rotations per minute (rpm) is provided herein. In this construction the double stage reduction mechanism and bye passing reduction mechanism as known high are operable by the single shifting lever thereby simplifying and comforting the operating control.

No. of Pages : 27 No. of Claims : 12

(22) Date of filing of Application :16/05/2015

(21) Application No.4200/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : METHOD DEVICE AND SYSTEM FOR DOWNLOADING FILE

(51) International classification (31) Priority Document No	:G06F13/00H04L29/08H04W8/24 :201310156883.0	(71)Name of Applicant : 1)XIAOMI INC.
(32) Priority Date	:28/04/2013	Address of Applicant :Floor 13 Rainbow City Shopping Mall of
(33) Name of priority country	:China	China Resources No. 68 Qinghe Middle Street Haidian District Beijing
(86) International Application No	:PCT/CN2013/091075	100085 China
Filing Date	:31/12/2013	(72)Name of Inventor :
(87) International Publication No	:WO 2014/176927	1)LIU Fang
(61) Patent of Addition to Application	:NA	2)YANG Weixian
Number	:NA :NA	
Filing Date	INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Embodiment of the present invention provides a method device and system for downloading a file. When one file is required to be downloaded for a mobile terminal the file can be downloaded through other mobile terminals connected with the mobile terminal if the other mobile terminals connected with the mobile terminal exist i.e. sub files obtained by dividing the file to be downloaded by a server are transmitted to each mobile terminal respectively are acquired from each mobile terminal through connections among the mobile terminals after the downloading is completed and are combined to obtain the file to be downloaded. Only one part of the file to be downloaded is required to be downloaded by each mobile terminal so that the file can be downloaded under the condition that the mobile terminal consumes shorter time.

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

(19) INDIA

(22) Date of filing of Application :18/05/2015

#### (21) Application No.4233/DELNP/2015 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : HYDRAULIC HYBRID DRIVETRAIN AND METHOD FOR OPERATING A HYDRAULIC HYBRID DRIVETRAIN

(51) International classification	:B60K6/36B60K6/40B60K6/365	(71)Name of Applicant :
(31) Priority Document No	:10 2012 221 122.5	1)ROBERT BOSCH GMBH
(32) Priority Date	:20/11/2012	Address of Applicant :Postfach 30 02 20 70442 Stuttgart Germany
(33) Name of priority country	:Germany	(72)Name of Inventor :
(86) International Application No	:PCT/EP2013/073234	1)BEITER Andreas
Filing Date	:07/11/2013	
(87) International Publication No	:WO 2014/079693	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a hydraulic hybrid drivetrain (1) with an internal combustion engine drive apparatus (10) and a hydraulic drive apparatus (20) and with an electric starter/generator (50) for the internal combustion engine drive apparatus (10). In order to optimise the operation of a hydraulic hybrid drivetrain the electric starter/generator (50) for the internal combustion engine drive apparatus (10) is assigned to the hydraulic drive apparatus (20).

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

(22) Date of filing of Application :15/05/2015

(21) Application No.4189/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : ADVANCED BLOW OUT PREVENTER

(51) International classification (31) Priority Document No	:E21B33/06 :61/717459	(71)Name of Applicant : 1)TRANSOCEAN INNOVATION LABS LTD
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:23/10/2012 :U.S.A.	Address of Applicant :70 Harbour Drive 4th Floor George Town Grand Cayman KY1 1003 Cayman Island
(86) International Application No	:PCT/US2013/066413	(72)Name of Inventor :
Filing Date (87) International Publication No	:23/10/2013 :WO 2014/066522	1)LEVETT Bryce 2)LUDTKA Gerard M.
(61) Patent of Addition to Application Number	:NA	3)DIONISIO Mariana
Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

An advanced blowout preventer that includes an arrester section and a shear section. The arrester section includes a number or arrester rings that are shaped to extend downwardly. The shape of the arrester rings allows the force of gas flowing out of the well to assist in closing the rings. The arrester section may have a number of arrester rings that cooperate to significantly reduce fluid from flowing in the annulus between a section of drill pipe and the blowout preventer. The advanced blowout preventer may also include a shear section. The shear section is configured to engage and shear a section of pipe using induction.

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

(22) Date of filing of Application :15/05/2015

(21) Application No.4190/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : BIOMASS LIQUEFACTION THROUGH GAS FERMENTATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:C12P7/06C12P7/16C12P7/54 :61/725349 :12/11/2012 :U.S.A. :PCT/US2013/069488 :11/11/2013 :WO 2014/075013 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LANZATECH NEW ZEALAND LIMITED Address of Applicant :24 Balfour Road Parnell Auckland 1052 New Zealand</li> <li>(72)Name of Inventor :</li> <li>1)SCHULTZ Michael A</li> <li>2)HOLMGREN Jennifer R</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention provides methods and systems for the production of at least one product from the microbial fermentation of a gaseous substrate wherein the gaseous substrate is derived from a biomass liquefaction process. The invention provides a method for improving efficiency of the fermentation by passing biomass accumulated in the fermentation process to the biomass liquefaction process for conversion to a gaseous substrate. In a particular aspect of the invention the biomass liquefaction process is selected from pyrolysis or torrefaction.

No. of Pages : 41 No. of Claims : 17

(22) Date of filing of Application :15/05/2015

#### (21) Application No.4186/DELNP/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : RESIN COATED METAL PLATE FOR DRAWN AND IRONED CAN DRAWN AND IRONED CAN AND DRAWN AND IRONED CAN MANUFACTURING METHOD

(51) International classification	:B65D8/00B32B15/08B65D1/00	(71)Name of Applicant :
(31) Priority Document No	:2012239886	1)TOYO KOHAN CO. LTD.
(32) Priority Date	:31/10/2012	Address of Applicant :2 12 Yonban cho Chiyoda ku Tokyo 1028447
(33) Name of priority country	:Japan	Japan
(86) International Application No	:PCT/JP2013/072953	(72)Name of Inventor :
Filing Date	:28/08/2013	1)TOGO Hiroaki
(87) International Publication No	:WO 2014/069082	2)SHIMODA Youichi
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is a resin coated metal plate for a drawn and ironed can that is made into a can body by shaping through drawing and ironing wherein the resin coated metal plate for a drawn and ironed can is characterized in that a surface of the metal plate that becomes the can outer surface is provided with a resin layer and the resin layer comprises a resin having a storage elastic modulus of no more than 500 MPa in a temperature range of 90 150°C and rupture elongation of at least 100% in a temperature range of 90 150°C.

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

(22) Date of filing of Application :15/05/2015

(21) Application No.4187/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : MULTIPLE ENGAGEMENT LOCKING DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:E05B81/16 :10 2012 020 998.3 :26/10/2012 :Germany :PCT/DE2013/000630 :24/10/2013 :WO 2014/071902 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)KIEKERT AKTIENGESELLSCHAFT Address of Applicant :Hseler Platz 2 42579 Heiligenhaus Germany </li> <li>(72)Name of Inventor : 1)BENDEL Thorsten 2)BARTH Carsten 3)DEISCHL Hans </li> <li>4)LINDMAYER Martin</li> </ul>
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(57) Abstract :

The invention relates to a locking device in particular for a motor vehicle having a catch mechanism and a coupling device for connecting to a motor drive. The coupling device comprises a coupling lever which by virtue of a plurality of engagement lugs is able to pivot a coupling lever. The engagement lugs can be detected in succession by the coupling lever and are arranged in this respect one behind the other. The invention further relates to a plastics component for the locking device. An engagement lug (14 15) is formed by an element protruding from a main face of the coupling lever (12) in order to simplify production and to keep material costs and installation space to a minimum.

No. of Pages : 18 No. of Claims : 11

(22) Date of filing of Application :15/05/2015

(21) Application No.4188/DELNP/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : INDUCTION SHEARING OF DRILLING PIPE

(51) International classification	:E21B29/00	(71)Name of Applicant :
(31) Priority Document No	:61/717480	1)TRANSOCEAN INNOVATION LABS LTD
(32) Priority Date	:23/10/2012	Address of Applicant :70 Harbour Drive 4th Floor George Town
(33) Name of priority country	:U.S.A.	Grand Cayman KY1 1003 Cayman Island
(86) International Application No	:PCT/US2013/066179	(72)Name of Inventor :
Filing Date	:22/10/2013	1)LUDTKA Gerard M.
(87) International Publication No	:WO 2014/066387	2)WILGEN John
(61) Patent of Addition to Application Number	:NA	3)KISNER Roger
Filing Date	:NA	4)MCINTYRE Timothy
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Induction shearing may be used to cut a drillpipe at an undersea well. Electromagnetic rings may be built into a blow out preventer (BOP) at the seafloor. The electromagnetic rings create a magnetic field through the drillpipe and may transfer sufficient energy to change the state of the metal drillpipe to shear the drillpipe. After shearing the drillpipe the drillpipe may be sealed to prevent further leakage of well contents.

No. of Pages : 23 No. of Claims : 20

(22) Date of filing of Application :09/04/2014

(21) Application No.1013/DEL/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : PROCESS OF GENERATION OF GRAPHENE NANOSHEETS

(51) International classification	:C01B31/04	(71)Name of Applicant :
(31) Priority Document No	:NA	1)DIRECTOR GENERAL DEFENCE RESEARCH &
(32) Priority Date	:NA	DEVELOPMENT ORGANISATION
(33) Name of priority country	:NA	Address of Applicant : Ministry of Defence Govt. of India Room No
(86) International Application No	:NA	348 B-Wing DRDO Bhawan Rajaji Marg New Delhi 110001 Delhi India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)SAHA Uttam
(61) Patent of Addition to Application Number	:NA	2)SINGH Jyoti Prakash
Filing Date	:NA	3)GOSWAMI Thako Hari
(62) Divisional to Application Number	:NA	4)SRIVASTAVA Anurag
Filing Date	:NA	5)SAXENA Arvind Kumar

(57) Abstract :

In accordance with the present subject matter there is provided a process for graphene the process comprising the steps of exfoliating graphite oxide to obtain exfoliated graphene oxide and reducing the exfoliated graphene oxide by a reducing agent to obtain graphene.

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

(22) Date of filing of Application :20/05/2015

(54) Title of the invention : MECHANICAL CIRCULATORY SUPPORT

(21) Application No.4287/DELNP/2015 A

(43) Publication Date : 16/10/2015

ONDON
ondon Greater London E1
ROYAL LONDON

(57) Abstract :

Mechanical circulatory supports configured to operate in series with the native heart are disclosed. In an embodiment a centrifugal pump is used. In an embodiment inlet and outlet ports are connected into the aorta and blood flow is diverted through a lumen and a centrifugal pump between the inlet and outlet ports.

No. of Pages : 14 No. of Claims : 31

#### (19) INDIA

(22) Date of filing of Application :20/05/2015

#### (43) Publication Date : 16/10/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR SELF CARRYING HOMOGENOUS BIAXIAL CONCRETE SLAB

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:E04B5/32E04B5/38 :PA201200746 :23/11/2012 :Denmark :PCT/EP2013/073659 :12/11/2013 :WO 2014/079741 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BUBBLEDECK INTERNATIONAL Address of Applicant :Rsevangen 8 DK 3520 Farum Denmark</li> <li>(72)Name of Inventor :</li> <li>1)BREUNING Kim Illner</li> </ul>
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(57) Abstract :

The present invention solves the existing problem of obtaining a self carrying biaxial homogeneous lightweight concrete slab. The present invention consists of a system and method comprising semi prefabricated elements and special stringer structures designed in such a way that the finished flat slab structure appears homogeneous and can be achieved without temporary supports during the execution. The present invention solves the problem in a simple and economical manner increasing building speed and providing an enhanced range of applicability.

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

(22) Date of filing of Application :18/04/2012

(21) Application No.1188/DEL/2012 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : A HAIR MOPPER FOR ADSORBING OILY LIQUIDS

(51) International classification	:A61M	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MARUTI SUZUKI INDIA LIMITED
(32) Priority Date	:NA	Address of Applicant :1 NELSON MANDELA ROAD VASANT
(33) Name of priority country	:NA	KUNJ NEW DELHI - 110070 INDIA Delhi India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SHAILENDRA SINGH
(87) International Publication No	:NA	2)PRAKASH SARAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a hair mopper for adsorbing oily liquids comprising of a perforated cloth stuffed with hair.

No. of Pages : 7 No. of Claims : 5

(22) Date of filing of Application :15/05/2015

(21) Application No.4181/DELNP/2015 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : SYSTEMS AND METHODS FOR PROCESSING OF PERSON TO PERSON ELECTRONIC PAYMENTS

(51) International classification	:G06Q20/10	(71)Name of Applicant :
(31) Priority Document No	:13/678344	1)MASTERCARD INTERNATIONAL INCORPORATED
(32) Priority Date	:15/11/2012	Address of Applicant :2000 Purchase Street Purchase New York
(33) Name of priority country	:U.S.A.	10577 U.S.A.
(86) International Application No	:PCT/US2013/069132	(72)Name of Inventor :
Filing Date	:08/11/2013	1)DUCHARME Brian J.
(87) International Publication No	:WO 2014/078187	2)HAGMEIER Shawn
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
0		

(57) Abstract :

A computer system for use with a memory device for facilitating person to person electronic payments from a payor to an account associated with a payee is provided. A payee account identifier and a payee identifier are stored in the memory device. The payor submits a request for a transfer of funds from a payor account to the payee account. The request includes the amount of funds to be transferred a payor account identifier to indicate the source of funds and the payee identifier. The payee identifier includes a telephone number and in particular a mobile telephone number associated with the payee.

No. of Pages : 38 No. of Claims : 24

(22) Date of filing of Application :15/05/2015

(21) Application No.4182/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : BUSBAR ASSEMBLY

(51) International classification	:H02B1/21	(71)Name of Applicant :
(31) Priority Document No	:2012904679	1)ELSTEEL (PVT) LTD
(32) Priority Date	:24/10/2012	Address of Applicant :Spur Road 2 Phase 1 Katunayake 11420 Sri
(33) Name of priority country	:Australia	Lanka
(86) International Application No	:PCT/IB2013/059565	(72)Name of Inventor :
Filing Date	:23/10/2013	1)LOGSTRUP Erik
(87) International Publication No	:WO 2014/064617	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract :

The invention is an integration of plug bases dropper busbar holders and compartment separation adapted in electric switchgear assemblies or panel boards; and is an assembly of a rigid rectangular main embodiment (1) and an auxiliary embodiment (50). The main embodiment (1) has a configuration of plug holes (12) which allow the plugs particularly in coming plugs to be directly contacted with dropper busbars (2) installed in the vertical recessed channels (33) in the rear surface (30) of the said embodiment (1); thus the invention provides high adaptability to a wide range of plugs. Self tapping screw holes (16 & 34) are arranged in rows on the front and the rear surfaces (10 & 30) of the embodiment (1) in order to facilitate mounting of plug bases and dropper busbar supporting holders respectively. The parallel recessed channels (33) and the array of self tapping screw holes (34) on the rear surface (30) further assures the easy switching of dropper busbars (2). The projected male clips (8) on the top horizontal edge and the receptacle female clips (9) on the bottom horizontal edge of the main embodiment (1) are clipped together to extend the separation according to the requirement of the frame structure of the switchgear assembly/panel board. The protection against accidental insertion of objects has been significantly reduced by a shutter palate assembly (20) installed on the front surface (10) of the main embodiment (1).

No. of Pages : 28 No. of Claims : 27

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 16/10/2015

# (54) Title of the invention : A HYBRID INK CONSISTING OF INORGANIC NANOPARTICLES DISPERSED ORGANIC MATERIAL AND A METHOD FOR PREPARING THE SAME

(51) International classification	·C08E	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY KANPUR
		· · · · · · · · · · · · · · · · · · ·
(32) Priority Date	:NA	Address of Applicant : INDIAN INSTITUTE OF TECHNOLOGY
(33) Name of priority country	:NA	KANPUR KANPUR-U.P. INDIA Uttar Pradesh India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SAUMEN MANDAL
(87) International Publication No	:NA	2)RAHUL SHARMA
(61) Patent of Addition to Application Number	:NA	3)MONICA KATIYAR
Filing Date	:NA	4)NA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A hybrid ink formulation comprising: PVA and TiO2 in a ratio of 10:1 in DI water and a method for preparing the same.

No. of Pages : 12 No. of Claims : 6

(22) Date of filing of Application :08/06/2012

(21) Application No.1765/DEL/2012 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : A POWER STEERING LINKAGE SYSTEM FOR WHEEL ROTATION SPAN CONTROL

(31) Priority Document No:N(32) Priority Date:N(33) Name of priority country:N(86) International Application No:NFiling Date:N(87) International Publication No: N(61) Patent of Addition to Application Number:N	<ul> <li>A Address of Applicant :AGRI MACHINERY GROUP 18/4</li> <li>A MATHURA ROAD FARIDABAD-121007 (INDIA) Haryana India</li> <li>(72)Name of Inventor :</li> <li>A 1)S.K. GARG</li> <li>A 2)SHARAD KAPUR</li> <li>A 3)MUNISH GAUR</li> </ul>
Filing Date :N (62) Divisional to Application Number :N	
Filing Date :N	

(57) Abstract :

This invention relates to a power steering linkage system for wheel rotation span control comprising of cylinder housing fixedly mounted on front axle of vehicle wherein the housing accommodates a cylinder rod and is provided with a piston characterized in that flat bottom surface of king pin housing as shown in fig. 6.

No. of Pages : 12 No. of Claims : 5

(22) Date of filing of Application :12/04/2014

(21) Application No.1029/DEL/2014 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : HOISTING AND HOLDING SYSTEM FOR CHROMATOGRAPHY COLUMN

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:B01D15/08 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)GE HEALTHCARE BIO-SCIENCES AB Address of Applicant :Patent Department Bjrkgatan 30 SE-751 84 Uppsala Sweden Sweden</li> <li>(72)Name of Inventor :</li> </ul>
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor : 1)MANOJ RAMAKRISHNA
(87) International Publication No	: NA	2)KISHORE CHENGALVARAYAN
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)NIKHIL KAMBLE (DECEASED)
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract :

ABSTRACT A holding system for holding and hoisting a chromatography column of one or more chromatography columns is disclosed. The holding system includes an upright member and a plurality of holding members movably arranged along the upright member. A first supporting member is positioned at an end portion of the chromatography column wherein a holding member of the plurality of holding members is configured to be engaged to the first supporting member. A second supporting member is positioned at another end portion of the chromatography column. A holding member of the plurality of holding members is configured to be engaged to the second supporting member. One or more hoist assisting members may be also present. A hoist assisting member is operatively connected to the holding member engaged to the first supporting member. The hoist assisting member is operable to move the holding member connected to the first supporting the chromatography column.

No. of Pages : 44 No. of Claims : 21

(22) Date of filing of Application :16/05/2015

(21) Application No.4199/DELNP/2015 A

(43) Publication Date : 16/10/2015

### (54) Title of the invention : GESTURE BASED CONVERSATION PROCESSING METHOD APPARATUS AND TERMINAL DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:G06F9/44 :201310253279.X :24/06/2013 :China :PCT/CN2014/072327	<ul> <li>(71)Name of Applicant :</li> <li>1)XIAOMI INC.</li> <li>Address of Applicant :Floor 13 Rainbow City Shopping Mall II of China Resources No. 68 Qinghe Middle Street Haidian District Beijing 100085 China</li> </ul>
Filing Date	:20/02/2014	(72)Name of Inventor :
(87) International Publication No	:WO 2014/206101	1)WANG Bin
(61) Patent of Addition to Application Number	:NA	2)LIU Daokuan
Filing Date	:NA	3)WENG Haibin
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed are a gesture based conversation processing method apparatus and terminal device. The method comprises: monitoring a gesture operation on a current conversation interface; when a gesture operation on any conversation on the current conversation interface is monitored recognizing the gesture operation; and performing corresponding processing on the conversation on the current conversation interface according to the recognized gesture operation. Therefore an operation may be performed on a conversation on a current conversation interface without entering a conversation operation interface thereby shortening a conversation processing procedure saving processing time further facilitating user operations and enhancing user stickiness.

No. of Pages : 35 No. of Claims : 14

(22) Date of filing of Application :12/04/2014

(54) Title of the invention : BLEACHING METHOD AND APPARATUS

(21) Application No.1028/DEL/2014 A

(43) Publication Date : 16/10/2015

(51) International classification	:D06L3/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)PRAXAIR INDIA PRIVATE LIMITED
(32) Priority Date	:NA	Address of Applicant : Praxair House No. 8 Ulsoor Road Bengalura
(33) Name of priority country	:NA	560 042 India Karnataka India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)ROSHAN SREENIVASA PAI
(87) International Publication No	: NA	2)KUNAL PRASANNA SAHA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

BLEACHING METHOD AND APPARATUS ABSTRACT The present invention relates to a method and apparatus for bleaching textile fabrics in two stages that comprise a chemical bleaching stage and an ozone bleaching stage. In the chemical bleaching stage the textile fabric is bleached with an aqueous solution composed of a caustic and peroxide and in the ozone bleaching stage bleaching is conducted with an ozone containing aqueous solution. The use of the two stages allows lower concentrations of caustic and hydrogen peroxide to be used in the chemical bleaching stage than in prior art techniques that are solely conducted through the chemical bleaching of the fabric. In the ozone bleaching stage the ozone containing aqueous solution is chilled so as to maintain the ozone in solution and thereby allowing for less oxygen to be consumed in the ozone production.

No. of Pages : 31 No. of Claims : 13

(22) Date of filing of Application :18/04/2012

(21) Application No.1201/DEL/2012 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : RADIATION HARDENED QDRII+CONTROLLERS

(51) International classification	:G06F	(71)Name of Applicant :
(31) Priority Document No	:NA	1) CYPRESS SEMICONDUCTOR CORPORATION
(32) Priority Date	:NA	Address of Applicant :198 CHAMPION CT. SAN JOSE CA 95134
(33) Name of priority country	:NA	U.S.A. U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)KARTHIK NAVALPAKAM
(87) International Publication No	:NA	2)SUHAIL ZAIN
(61) Patent of Addition to Application Number	:NA	3)HELMUT PUCHNER
Filing Date	:NA	4)WALT ANDERSON
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Current Space systems are designed with integrated circuitry fabricated on technology nodes several generations behind their Commercial counterparts. Space community is facing a huge initiative to bring their electronic designs into the 21 century. Cypress has introduced Radiation Hardened QDR11+ products to the Space market. It is the highest performance and highest density Radiation Hardened SRAM memory available (4X better than the competition]. However interface support for 72Mbit RHQDR11+ does not exist. Besides RHQDR1I+ the Space community is also looking for higher densities/performance of all system memory types - Single Ports Dual Ports & FIFOs. Through this invention the 72Mbit RHQDR11+ can be used in all three memory types and leap frog the competition in performance. Cypresss RHQDR11+ is the highest performance and highest Radiation Hardened SRAM available. However QDR architecture requires an interface controller due to the Double Data Rate architecture. Incorporating different memory functionalities in the interface controller allows usage of the RHQDR1I+ as different memory types - Single Port Dual Port and FIFO. Another important SPACE System design requirement is component qualification. With the multi-use controller interface the Space designers only need to qualify RHQDR11+ and use it in all applications.

No. of Pages : 24 No. of Claims : 1

(22) Date of filing of Application :20/05/2015

(43) Publication Date : 16/10/2015

(54) Title of the invention : A BATTERY ADJU	STMENT SYSTEM	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H01M10/42H02J7/00 :2013/12371 :24/10/2013 :Turkey :PCT/IB2014/065576 :24/10/2014 :WO 2015/059665 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ASELSAN ELEKTRONIK SANAYI VE TICARET ANONIM SIRKETI Address of Applicant :Mehmet Akif Ersoy Mahallesi 296. Cadde No:16 Yenimahalle 06370 Ankara Turkey (72)Name of Inventor : 1)TURKMEN Taner</li></ul>

(57) Abstract :

The present invention relates to a battery adjustment method which allows adjusting the number of batteries used in military thermal imaging devices operating with battery and thus allows adjusting the operation time of the device by the user. The objective of the present invention is to provide a battery adjustment system which enables the device operating with more than one battery to have the flexibility to be used functionally with different number of batteries and different operation times. The invention essentially comprises at least one adjustable switch (2) which is adapted to enable a desired number of batteries to be used at least one control unit (3) which is adapted to determine the required power level and to transfer power to the devices. In addition it also comprises at least one power circuit (4) which is provided between the adjustable switch (2) and the control unit (3) and which is adapted to provide the power required for the battery adjustment system (1) at least one battery socket (5) which enables the batteries to be connected to the battery adjustment system (1) and at least one connection unit (6) which is adapted to enable the required devices to be connected to the control unit (3).

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

(22) Date of filing of Application :20/05/2015

(43) Publication Date : 16/10/2015

# (54) Title of the invention : IMPROVED METHOD FOR THE PREPARATION OF LIPOSOME ENCAPSULATED VINCRISTINE FOR THERAPEUTIC USE

(51) International classification	:A61K9/127A61K31/475	(71)Name of Applicant :
(31) Priority Document No	:61/728378	1)SPECTRUM PHARMACEUTICALS
(32) Priority Date	:20/11/2012	Address of Applicant :157 Technology Drive Irvine CA 92618 U.S.A.
(33) Name of priority country	:U.S.A.	2) TEKMIRA PHARMACEUTICALS CORPORATION
(86) International Application No	:PCT/US2013/071096	(72)Name of Inventor :
Filing Date	:20/11/2013	1)MONTE William T.
(87) International Publication No	:WO 2014/081887	2)BARBOSA Christopher James
(61) Patent of Addition to Application Number	:NA	3)WEBER Thomas Philip
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Improved methods for efficiently constituting liposome encapsulated vincristine for intravenous injection (VSLI) with reduced risk of operational errors and contamination are disclosed.

No. of Pages : 34 No. of Claims : 37

(22) Date of filing of Application :20/05/2015

#### (21) Application No.4311/DELNP/2015 A

#### (43) Publication Date : 16/10/2015

#### (54) Title of the invention : NOVEL ROCK INHIBITORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> <li>(87) International Publication N</li> <li>(61) Patent of Addition to</li> </ul> </li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:C07D405/14C07D401/12A61K31/4725 :12190859.4 :31/10/2012 :EPO :PCT/EP2013/072774 :31/10/2013 No:WO 2014/068035 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)AMAKEM NV Address of Applicant :Life Sciences Incubator Agoralaan A bis B</li> <li>3590 Diepenbeek Belgium</li> <li>(72)Name of Inventor :</li> <li>1)BOURIN Arnaud Pierre Jean</li> <li>2)LEYSEN Dirk</li> <li>3)DEFERT Olivier</li> <li>4)BOLAND Sandro</li> </ul>
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(57) Abstract :

The present invention relates to new kinase inhibitors more specifically ROCK inhibitors compositions in particular pharmaceuticals comprising such inhibitors and to uses of such inhibitors in the treatment and prophylaxis of disease. In particular the present invention relates to new ROCK inhibitors compositions in particular pharmaceuticals comprising such inhibitors and to uses of such inhibitors in the treatment and prophylaxis of disease. In addition the invention relates to methods of treatment and use of said compounds in the manufacture of a medicament for the application to a number of therapeutic indications including sexual dysfunction inflammatory diseases ophthalmic diseases and Respiratory diseases. Compounds of the invention display soft drug characteristics i.e. they are rapidly inactivated upon entry in the systemic circulation. Therefore they allow for reduced systemic exposure to functionally active ROCK inhibitors.

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

(22) Date of filing of Application :15/05/2015

(21) Application No.4179/DELNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : WALL PANEL MOUNTING SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:13/669686 :06/11/2012 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)USG INTERIORS LLC Address of Applicant :550 West Adams Street Chicago Illinois 60661 3676 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)GULBRANDSEN Peder J.</li> <li>2)AHREN Gregory M.</li> <li>3)BANKSTON John D.</li> </ul>
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(57) Abstract :

Mounting systems for attaching metal suspended ceiling panels (11) to form a decorative rectangular array. In one system the panels are mounted on bolt slot grid runners (14) spaced from the wall and trimmed with island ceiling trim. In another system panels are mounted on unique backer boards that protect the panels against physical damage by resisting compressive forces on the face of the panels.

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

(22) Date of filing of Application :14/01/2015

(21) Application No.103/MUMNP/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : LIQUID DETERGENT COMPOSITION

	C11D1/02C11D2/20	
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:12177959.9	1)UNILEVER PLC
(32) Priority Date	:26/07/2012	Address of Applicant :a company registered in England and Wales
(33) Name of priority country	:EPO	under company no. 41424 of Unilever House 100 Victoria Embankment
(86) International Application No	:PCT/EP2013/064699	London Greater London EC4Y 0DY U.K. U.K.
Filing Date	:11/07/2013	(72)Name of Inventor :
(87) International Publication No	:WO 2014/016134	1)ROUT Deeleep Kumar
(61) Patent of Addition to Application Number	:NA	2)SINHA Ritesh Kumar
Filing Date	:NA	3)PAUL Pintu
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention is in the field of stable detergent compositions; in particular liquid crystal ternary lamellar phase detergent compositions for use in laundry and/or household cleaning amongst others. Efficient cleaning of fabric articles especially the removal of soils such as sebum from cuffs and collars remains to be desired. It is an object of the present invention to provide a composition that provides fast dissolution of fatty material based stains. It has been found that a lamellar phase detergent composition comprising a surfactant selected from non ionic and anionic in a ratio of non ionic:anionic between 3:1 and 1:4 and having HLB value of not less than 15; a fat solubilising oil and water provides an effective solution that removes soils and/or stains of solid or solidified fatty material; is stable at normal storage and washing conditions and may be delivered as a pourable liquid.

No. of Pages : 38 No. of Claims : 9

(22) Date of filing of Application :14/01/2015

(21) Application No.110/MUMNP/2015 A

(43) Publication Date : 16/10/2015

### (54) Title of the invention : PARTICLE CHARACTERIZATION

(51) International classification	:G01N15/14	(71)Name of Applicant :
(31) Priority Document No	:61/663527	1)MALVERN INSTRUMENTS LIMITED
(32) Priority Date	:22/06/2012	Address of Applicant : Enigma Business Park Grovewood Road
(33) Name of priority country	:U.S.A.	Malvern Worcestershire WR14 1XZ U.K.
(86) International Application No	:PCT/GB2013/051641	(72)Name of Inventor :
Filing Date	:21/06/2013	1)LEWIS E. Neil
(87) International Publication No	:WO 2013/190326	2)MCCAFFREY John
(61) Patent of Addition to Application Number	:NA	3)HABER Ken
Filing Date	:NA	4)BENNETT Peter
(62) Divisional to Application Number	:NA	5)SANDO Gerald
Filing Date	:NA	6)SADOWSKI Tomasz

# (57) Abstract :

The disclosure relates to methods and apparatus for detecting properties of heterogeneous samples including detecting properties of particles or fluid droplets in industrial processes. Embodiments disclosed include a particle characterization method comprising: suspending particles in a fluid; causing the suspended particles to flow past a two dimensional array detector; illuminating the suspended particles as they flow past the two dimensional array detector in the fluid; acquiring a plurality of images of the particles as they flow past the two dimensional array detector in the fluid; and applying a particle characterization function to results of steps of acquiring a plurality of images for at least some of the suspended particles.

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No. of Pages : 43 No. of Claims : 30

#### (19) INDIA

(22) Date of filing of Application :16/01/2015

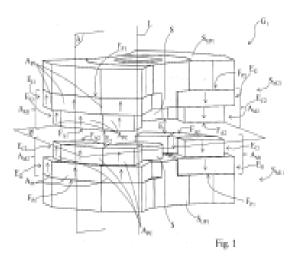
#### (43) Publication Date : 16/10/2015

# (54) Title of the invention : MAGNETIC FIELD GENERATOR FOR A MAGNETOCALORIC THERMAL DEVICE AND MAGNETOCALORIC THERMAL DEVICE EQUIPPED WITH SUCH A GENERATOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:12/57323 :27/07/2012 :France	<ul> <li>(71)Name of Applicant :</li> <li>1)COOLTECH APPLICATIONS S.A.S Address of Applicant :Impasse Antoine Imbs F 67810 Holtzheim France</li> <li>(72)Name of Inventor :</li> </ul>
Filing Date	:26/07/2013	1)MULLER Christian
(87) International Publication No	:WO 2014/016669	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

M1121121M1M2UPIM1M2P1PCP1P2A1A212M 1M19M2M29UPI1234The invention concerns a magnetic field generator (G1 l) for a magnetocaloric thermal device comprising first (S) and second (SM) identical magnetising structures mounted head to tail on either side of a central plane (P) and defining two air gaps (E E). Each magnetising structure (SM SM) comprises first (A) and second (A) magnetising assemblies of which the induction vectors are oriented in opposite directions and mounted on a support(S)Each magnetising assembly (A A) has a permanent magnet structure (A A) comprising a passive face (F F) and an active face (F F) delimiting said air gaps (E E). This generator is characterised by the fact that the induction vectors of the first (A A) and second (A A) magnetising assemblies form within said generator a single circulation loop of a magnetic field through said supports (S)and said air gaps (E E E E).



No. of Pages : 46 No. of Claims : 19

(22) Date of filing of Application :11/04/2014

(21) Application No.1331/MUM/2014 A

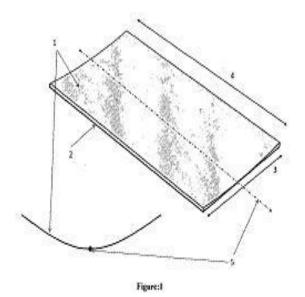
(43) Publication Date : 16/10/2015

(54) Title of the invention : ECONOMIC AND CONVINENT/ EASY SOLAR CONCENTRATOR SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(30) International Application Name</li> </ul>	:NA :NA :NA	(71)Name of Applicant : 1)JOSHI JYESHTHARAJ BHALCHANDRA Address of Applicant :INSTITUTE OF CHEMICAL TECHNOLOGY NATHALAL PAREKH MARG MATUNGA (EAST)
(86) International Application No Filing Date	:NA :NA	MUMBAI 400 019 INDIA Maharashtra India (72)Name of Inventor :
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	: NA :NA :NA :NA :NA	1)JOSHI JYESHTHARAJ BHALCHANDRA 2)PANSE SUDHIR VISHNU 3)DALVI VISHWANATH HAILY

<sup>(57)</sup> Abstract :

A method of concentrating solar energy said method comprising rows of field alignable reflecting surfaces wherein each said reflecting surface is a individual curve retlector(ICR) with parabolic circular elliptic or any convexly-curved cross-section secured to a provided frame such that each said reflector is capable of being translationally and rotationally displaced in relation to the remaining reflectors and such that said plurality of reflectors can be rotated as a whole i.e. rigidly with respect to each other in one dimension to reflect the incident sunlight onto a predetermined focal line.



No. of Pages : 30 No. of Claims : 25

(19) INDIA

(22) Date of filing of Application :14/01/2015

(43) Publication Date : 16/10/2015

# (54) Title of the invention : A METHOD OF PREPARING RECOMBINANT HUMAN TYROSINASE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:C12N9/00A61K8/66A61Q5/10 :12177945.8 :26/07/2012 :EPO :PCT/EP2013/064555 :10/07/2013 :WO 2014/016118 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)UNILEVER PLC Address of Applicant :Unilever House 100 Victoria Embankment London Greater London EC4Y 0DY U.K.</li> <li>(72)Name of Inventor :</li> <li>1)CHANDRAMOWLI Ganesh</li> <li>2)MAHAPATRA Samiran</li> <li>3)THIMMAIAH Sreenivasa</li> <li>4)DANDEKAR DineshkumarHaribhau</li> <li>5)KRISHNAN Seetha</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a method of preparing enzymatically active recombinant human tyrosinase. This has been achieved by the present invention by cloning and over expression of (recombinant) human tyrosinase using insect cells.

No. of Pages : 28 No. of Claims : 8

(22) Date of filing of Application :10/04/2014

(43) Publication Date : 16/10/2015

		(71)Name of Applicant :
(51) International classification	:B22C9/03	1)DKTE SOCIETY'S TEXTILE & ENGG INSTITUTE
(31) Priority Document No	:NA	ichalkaranji.
(32) Priority Date	:NA	Address of Applicant :RAJWADA POST BOX NO. 130
(33) Name of priority country	:NA	ICHALKARANJI-416115 DIST. KOLHAPUR (M.S.) Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)DR. V.D. SHINDE
(87) International Publication No	: NA	2)DR. V.R. NAIK
(61) Patent of Addition to Application Number	:NA	3)DR. B. RAVI
Filing Date	:NA	4)MR. C. B. SUTAR
(62) Divisional to Application Number	:NA	5)MR. R. R. NARAKE
Filing Date	:NA	6)MR. S. E. NALAWADE
		7)MR. J. D. SAHUTE

# (57) Abstract :

The present invention relate to a novel vacuum moulding box for effective execution of vacuum moulding process. The box is supported on a platform of suitable size having an aperture of adequate dimension (3) is used for suction of air from the box. The box accommodates the pattern of metallic or wooden type. The annular space is filled with sand of appropriate grain size. The suction pump is responsible to maintain suction in the vacuum chamber (4) through suction holes (5). The cramping of box is effected through clamping and aligning bolts (8) in plurality of number connecting plurality of plugs (7). A stiff plastic sheet cover the top of the box vacuum is effected by vacuum pump and suction chamber through an assembly of perforated plate (9) mesh (10) and sponge(ll) to prevent suction of sand.

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

#### (19) INDIA

(22) Date of filing of Application :17/01/2015

#### (43) Publication Date : 16/10/2015

# (54) Title of the invention : POLYSACCHARIDE MICROGELS FOR CLEANING WATER OF PETROLEUM AND PETROLEUM PRODUCTS AND METHOD FOR USING SAME (VARIANTS)

(51) International classification	:C02F1/56C02F1/28C02F1/40	(71)Name of Applicant :
(31) Priority Document No	:2012125534	1)OBSCHESTVO S OGRANICHENNOJ OTVETSVENNOSTYU
(32) Priority Date	:19/06/2012	NPO BIOMIKROGELI
(33) Name of priority country	:Russia	Address of Applicant :ul. Bolshakova 22/3 of. 95 Ekaterinburg
(86) International Application No	:PCT/RU2013/000506	620100 Russia
Filing Date	:18/06/2013	(72)Name of Inventor :
(87) International Publication No	:WO 2013/191590	1)ELAGIN Andrey Aleksandrovich
(61) Patent of Addition to Application	:NA	2)MIRONOV Maksim Anatolevich
Number	:NA :NA	3)PONOMAREV Vladislav Sergeevich
Filing Date	INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The group of inventions relates to the field of organic chemistry and can be used for cleaning water industrial and domestic waste water or waste water sediment and for the containment and recovery of petroleum and petroleum product spills in large bodies of water rivers lakes and seas. In the claimed group of inventions aqueous solutions of polysaccharide microgels having a molecular mass of 20000 200000 daltons and a particle size of 50 600 nm are used as a substance for cleaning water of petroleum and petroleum products. Moreover low concentrations of polysaccharide microgels in water ranging from 0.1 to 20 g/l are used. Said solutions are used as a surface modifier for a filter used in separating water oil emulsions as a sorbent for the containment and recovery of oil spills in an aqueous medium and also as a coagulant for the cleaning of water polluted by petroleum and petroleum products. The technical result is in making it possible to recover a commercial product recovered during the process of cleaning water of petroleum products and to recover the starting substance for the reuse thereof while simultaneously simplifying the slurry utilization process.

No. of Pages : 22 No. of Claims : 14

(22) Date of filing of Application :10/04/2014

(21) Application No.1320/MUM/2014 A

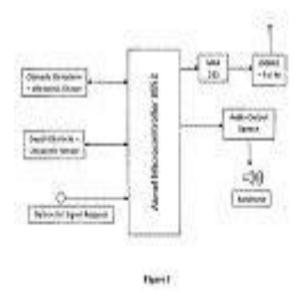
(43) Publication Date : 16/10/2015

# (54) Title of the invention : A DEVICE FOR ASSISTING VISUALLY IMPAIRED

(51) International classification	:G06K7/1	0 (71)Name of Applicant :
(31) Priority Document No	:NA	1)ROHAN MADAN VALVEKAR
(32) Priority Date	:NA	Address of Applicant :PLOT NO. 52 'OM' UNITED WESTERN
(33) Name of priority country	:NA	SOCIETY NEAR TATHAWADE GARDEN KARVENAGAR PUNE -
(86) International Application No	:NA	411052 MS INDIA Maharashtra India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)ROHAN MADAN VALVEKAR
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(55) 11		

<sup>(57)</sup> Abstract :

The present invention relates to a device for assisting visually impaired person (200). The device (200) comprises of a supporting rod (30) a handle (10) a wheel (20) a first sensor (40) for detecting an obstacle located in front; a second sensor (50) for detecting a depth of the obstacle a control circuit (80) a SOSvisually impaired pedestrian crossing broadcast unit (100) a switch (110) and a power source (120) for supplying power. When the sensors (40 50) detect the obstacle send signals to the control circuit (80) to play a desired audio message within a time range of about 1-2 seconds for informing the visually impaired person about the obstacle. The switch (110) activates the SOS unit (100) to request for a stop signal at a traffic signal post for crossing of roads easily. Figure 1



No. of Pages : 21 No. of Claims : 9

(22) Date of filing of Application :14/01/2015

(21) Application No.104/MUMNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : CONCENTRATED LIQUID DETERGENT COMPOSITIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> </ul>		1)UNILEVER PLC Address of Applicant :a company registered in England and Wales under company no. 41424 of Unilever House 100 Victoria Embankment
(86) International Application No Filing Date	:PCT/EP2013/063967 :02/07/2013	London Greater London EC4Y 0DY U.K. U.K. (72)Name of Inventor :
(87) International Publication No	:WO 2014/019792	1)BENNETT Julie
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)PARRY Alyn James
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A concentrated alkaline liquid detergent composition comprising: a) 5 to 60 wt% surfactant comprising anionic surfactant and optionally nonionic surfactant and optionally amphoteric surfactant and optionally soap of which at least 35% of the total surfactant is anionic non soap surfactant b) at least 30 wt% water c) at least 0.25 wt% soil release polymer characterised in that: (i) the soil release polymer has the formula (I) and X [(OCHCH)] block [(OCHCH(CH))] [(OC(O) G C(O) O G)] OC(O) G C(O) O [((CH)CHCHO)] block [(CHCHO)] X (I) wherein the Gmoieties are all 1 4 phenylene moieties; the Gmoieties are all C alkyl substituted ethylene moieties each X is C alkyl preferably methyl or n butyl; each q is from 12 to 120; each p is from 1 to 10 preferably 2 to 5; and n is from 2 to 10.

No. of Pages : 26 No. of Claims : 19

(22) Date of filing of Application :14/01/2015

(21) Application No.111/MUMNP/2015 A

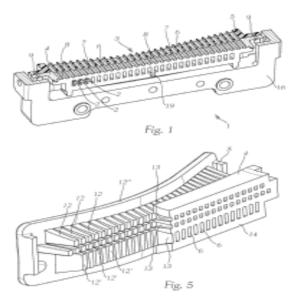
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : LIGHTING UNIT FOR A HEADLIGHT

(51) International classification	:F21S8/10F21V8/00F21V7/10	(71)Name of Applicant :
(31) Priority Document No	:A 50284/2012	1)ZIZALA LICHTSYSTEME GMBH
(32) Priority Date	:18/07/2012	Address of Applicant :Scheibbser Strae 17 A 3250 Wieselburg
(33) Name of priority country	:Austria	Austria Austria
(86) International Application No	:PCT/AT2013/050130	(72)Name of Inventor :
Filing Date	:26/06/2013	1)H–LZL Andreas
(87) International Publication No	:WO 2014/012128	2)DATZREITER Markus
(61) Patent of Addition to Application	:NA	3)KRENN Irmgard
Number	:NA :NA	4)HONAUER Gerhard
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In a lighting unit (1) for a headlight in particular a vehicle headlight composed of multiple light sources (2) and a light guiding unit (3) with multiple light guiding means (6) in each case a light guiding means (6) is assigned to one light source (2) and the light guiding unit (3) is composed of at least two components (4 5) which can be connected to one another wherein a light source side component (4) of the light guiding unit (3) is arranged between the light sources (2) and an irradiation side component (5) of the light guiding unit (3) in the irradiation direction of the light guiding unit (3).



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

(22) Date of filing of Application :16/01/2015

(21) Application No.126/MUMNP/2015 A

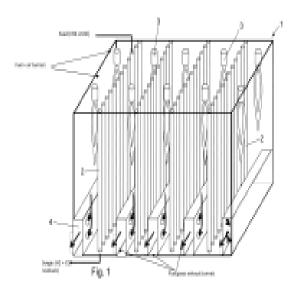
(43) Publication Date : 16/10/2015

(54) Title of the invention : PROCESS AND APPARATUS FOR ENDOTHERMIC REACTIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:12184303.1 :13/09/2012 :EPO :PCT/EP2013/066998 :14/08/2013	<ul> <li>(71)Name of Applicant :</li> <li>1)L<sup>TM</sup>AIR LIQUIDE SOCI‰T‰ ANONYME POUR L<sup>TM</sup>ETUDE</li> <li>ET L<sup>TM</sup>EXPLOITATION DES PROC‰D‰S GEORGES CLAUDE Address of Applicant :75 quai d<sup>TM</sup>Orsay F 75007 Paris France France</li> <li>(72)Name of Inventor :</li> <li>1)CANCES Julien</li> </ul>
• •		
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	:WO 2014/040815 :NA	2)CAMY PEYRET Frederic 3)LABEGORRE Bernard
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract :

A furnace for performing an endothermic process comprises tubes (2) containing a catalyst for converting a gaseous feed said tubes (2) positioned inside the furnace (1) inner burners (3a) mounted to a furnace roof (1b) between the tubes (2) and outer burners (3b) mounted to the furnace roof (1b) between the tubes (2) and a furnace wall (1a). The outer burners (3b) are positioned close to the furnace wall (1a) and configured to operate with 45 60% of the power of the inner burners (3a) and with an inlet velocity between 90 to 110 % of the inlet velocity of the inner burners (3a).



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

(19) INDIA

(22) Date of filing of Application :17/01/2015

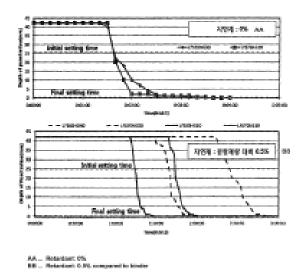
(43) Publication Date : 16/10/2015

(54) Title of the invention : HYDRAULIC BINDER COMPOSITION USING RAPIDLY COOLED LADLE FURNACE SLAG POWDER AND METHOD FOR PREPARING SAME

(51) International classification	:C04B7/147C04B5/00C21B3/04	(71)Name of Applicant :
(31) Priority Document No	:10-2012-0081388	1)KONGJU NATIONAL UNIVERSITY INDUSTRY
(32) Priority Date	:25/07/2012	UNIVERSITY COOPERATION FOUNDATION
(33) Name of priority country	:Republic of Korea	Address of Applicant :56 Gongjudaehak ro Gongju si
(86) International Application No	:PCT/KR2012/010680	Chungcheongnam do 314 701 Republic of Korea Republic of Korea
Filing Date	:10/12/2012	(72)Name of Inventor :
(87) International Publication No	:WO 2014/017710	1)KIM Jin Man
(61) Patent of Addition to Application	NTA	2)CHOI Sun Mi
Number	:NA	3)KIM Ji Ho
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
Filling Date	INA	

(57) Abstract :

The present invention relates to a hydraulic binder composition using rapidly cooled ladle furnace slag powder and to a method for preparing same. More particularly the rapidly cooled ladle furnace slag (RC LFS) powder is obtained by spraying and scattering gas at a high pressure and high speed onto the electric arc furnace reducing slag which is one of the by products generated during iron smelting performed in ironworks and quickly cooling and pulverizing the slag. The initial high hydrothermal reaction and initial setting of the rapidly cooled ladle furnace slag (RC LFS) powder are delayed to ensure workability. A retardant and gypsum are mixed into the rapidly cooled ladle furnace slag (RC LFS) powder so as to activate the generation of needle shaped ettringite and to thus develop the initial and long term strength and therefore the rapidly cooled ladle furnace slag (RC LFS) powder of the present invention can be used as a substitute for ordinary Portland cement.



No. of Pages : 57 No. of Claims : 14

(22) Date of filing of Application :02/01/2015

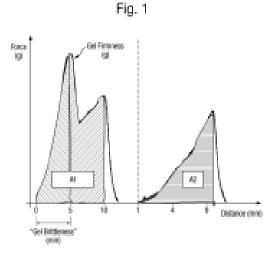
(43) Publication Date : 16/10/2015

# (54) Title of the invention : SAVOURY FOOD CONCENTRATE COMPRISING A PECTIN STARCH GEL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Eline Date</li> </ul>	:A23L1/40A23L1/39A23L1/24 :12176415.3 :13/07/2012 :EPO :PCT/EP2013/061998 :11/06/2013 :WO 2014/009079 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)UNILEVER PLC Address of Applicant :Unilever House 100 Victoria Embankment London Greater London EC4Y 0DY U.K.</li> <li>(72)Name of Inventor :</li> <li>1)PERRINE Marion Esclarmonde</li> <li>2)SAILER Winfried</li> <li>3)SILVA PAES Sabrina</li> </ul>

(57) Abstract :

The present invention relates to a savoury food concentrate in the form of a gel. For use of said savoury food concentrate for preparing a soup a sauce a gravy or a seasoned dish. It is an object to provide a savoury concentrate which provides a high viscosity upon dilution in hot water such as desired when preparing a viscous sauce a gravy or a thickened soup. It is found that a packaged food concentrate in the form of a gel comprising water sodium salt gelling pectin Calcium salt and non gelatinised starch has the desired properties.



No. of Pages : 48 No. of Claims : 15

(22) Date of filing of Application :15/01/2015

(21) Application No.117/MUMNP/2015 A

(43) Publication Date : 16/10/2015

### (54) Title of the invention : INJECTION MOLDED SEALS FOR COMPRESSORS

(51) International classification	:F04C27/00F04C18/02	(71)Name of Applicant :
(31) Priority Document No	:61/674713	1)EMERSON CLIMATE TECHNOLOGIES INC.
(32) Priority Date	:23/07/2012	Address of Applicant :1675 W. Campbell Road P.O. Box 669 Sidney
(33) Name of priority country	:U.S.A.	Ohio 45365 0669 U.S.A.
(86) International Application No	:PCT/US2013/051628	(72)Name of Inventor :
Filing Date	:23/07/2013	1)HEIDECKER Matthew J.
(87) International Publication No	:WO 2014/018505	2)LICHTY Jeffrey Jay
(61) Patent of Addition to Application Number	:NA	3)PAX Dennis D.
Filing Date	:NA	4)MCELDOWNEY Dale Joseph
(62) Divisional to Application Number	:NA	5)MANNING Todd A.
Filing Date	:NA	6)GEHRET Natalie M.
<ul><li>(61) Patent of Addition to Application Number Filing Date</li><li>(62) Divisional to Application Number</li></ul>	:NA :NA :NA	3)PAX Dennis D. 4)MCELDOWNEY Dale Joseph 5)MANNING Todd A.

(57) Abstract :

Improved seal components for compressors such as scroll compressors are provided. Such seal components have a molded composite on a seal plate that is preformed which serves as an improved face seal for floating seal assemblies. The preformed seal plate may be formed of a sintered powder metal or cast gray iron. The molded composite comprises a thermoplastic polymer and at least one reinforcing or lubricating particle. Methods of forming such seal components for a scroll compressor by injection molding are also provided.

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

(22) Date of filing of Application :14/01/2015

(43) Publication Date : 16/10/2015

### (54) Title of the invention : CARD TRANSACTION APPARATUS AND CARD TRANSACTION METHOD

	00757/10	
(51) International classification	:G07F7/10	(71)Name of Applicant :
(31) Priority Document No	:2014-	1)HITACHI-OMRON TERMINAL SOLUTIONS CORP.
(31) Thomy Document No	054301	Address of Applicant :6-3 Osaki 1-chome Shinagawa-ku Tokyo Japan
(32) Priority Date	:18/03/2014	Japan
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)Feiling HE
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 card transaction apparatus which avoids a contact point damage accompanying with card insertion and card removal by a user in card reading by means of a card reader (400) is provided. In reading card information by means of the card reader (400) incorporated in an ATM (20) an IC card (300) is received at a card receiving position KP via card insertion by a user. After elapsing the predetermined standby time from such card receiving the card removal by the user of the IC card (300) already inserted till the card receiving position KP is made impossible by locking the IC card (300) at the card receiving position KP by means of the card lock mechanism (401).

No. of Pages : 36 No. of Claims : 5

(22) Date of filing of Application :17/01/2015

(21) Application No.133/MUMNP/2015 A

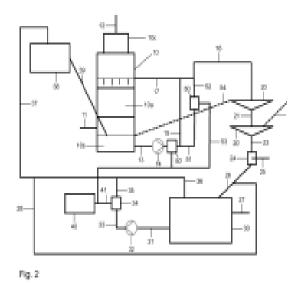
(43) Publication Date : 16/10/2015

(54) Title of the invention : METHOD AND APPARATUS FOR REMOVING MERCURY FROM GAS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:B01D53/64B01D53/96 :NA :NA :NA :PCT/EP2012/066883 :30/08/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)OUTOTEC (FINLAND) OY Address of Applicant :Rauhalanpuisto 9 FI 02230 Espoo Finland </li> <li>(72)Name of Inventor : 1)HASSELWANDER Klaus </li> </ul>
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	:WO 2014/032719 :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA :NA	

# (57) Abstract :

A process for removing mercury from a process gas comprises the following steps: (i) reacting the mercury vapour present in the process gas with mercuric chloride dissolved in a scrubbing solution to form a suspension containing mercurous chloride (ii) settling the mercurous chloride out of the suspension wherein chlorine is injected into the suspension before the settling step to form a reaction solution.



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

(22) Date of filing of Application :19/01/2015

(21) Application No.141/MUMNP/2015 A

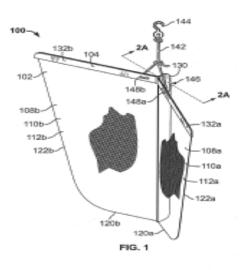
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : DISPENSING DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:A61L9/04A61L9/12A01M1/20 :13/556977 :24/07/2012 :U.S.A. :PCT/US2013/051775 :24/07/2013 :WO 2014/018594 :NA	<ul> <li>1)S. C. JOHNSON &amp; SON INC. Address of Applicant :1525 Howe Street Racine WI 53403 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)CAO Hai Yan</li> <li>2)CHEN Amos</li> <li>3)HAN Shumao</li> <li>4)JIA Joanna</li> </ul>
	:WO 2014/018394 :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A dispensing device for release of an air treatment material includes a semi permeable substrate having a mesh size between about 15 strands per cm to about 79 strands per cm and a support component for supporting the semi permeable substrate. The dispensing device releases the air treatment material at a rate of at least about 0.05 mg/hr at about  $25^{\circ}$  C.



No. of Pages : 24 No. of Claims : 20

(22) Date of filing of Application :11/04/2014

(21) Application No.1335/MUM/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : Efficient Biometric Security System for SIM card Allotment

(51) International classification	:H04L9/36 H04L1/14	(71)Name of Applicant : 1)G.H.Raisoni College of engineering
(31) Priority Document No	:NA	Address of Applicant :CRPF Gate No. 3Digdoh HillsHingna
(32) Priority Date	:NA	RoadNagpur Maharashtra-440016 Maharashtra India
(33) Name of priority country	:NA	2)G.H.R. Labs and Research Centre
(86) International Application No	:PCT//	(72)Name of Inventor :
Filing Date	:01/01/1900	1)Mr. Sumant Deosant
(87) International Publication No	: NA	2)Saurabh Aloni
(61) Patent of Addition to Application Number	:NA	3)Aniket Kolhe
Filing Date	:NA	4)Uday Ghime
(62) Divisional to Application Number	:NA	5)S.A. Chabbria
Filing Date	:NA	

(57) Abstract :

ABSTRACT Efficient Biometrics System (or biometric authentication) refers to the identification of humans by their characteristics or traits. Biometrics is used in computer science as a form of identification and access control. Physiological characteristics are related to the shape of the body. It is software which will be useful in telecom industry. In the present invention it implements Biometrics System for SIM card issue. In this invention it is compulsory to provide Aadhar card & a person<sup>TM</sup>s biometrics which includes Fingerprint Scan and Iris Scan. UIDAI is the only databases that already have this biometrics. If needed we can verify it with UIDAI data base about wither documents provided by the person is authenticated or not. After implementing this it would be nearly impossible to issue a fake SIM card. Following invention is described in detail with the help of Figure 1 of sheet 1shows the proposed system Figure 2 of sheet 1shows the flow chart of the working process of Biometric Security System Figure 3 of sheet 2 shows the work flow of the present invention Figure 4 of sheet 2 shows the screen shot of main window Figure 5 of sheet 3shows the Registration window Figure 6 of sheet 3showsbiometric scan Figure 7 of sheet 4shows the data verification and allotment and Figure 8 of sheet 4shows the database.

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

(22) Date of filing of Application :11/04/2014

(43) Publication Date : 16/10/2015

(54) Title of the invention : Web System Framework and Methodology for Making Personalized e-learning

(51) International classification	:G06F7/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)G.H.Raisoni College of engineering
(32) Priority Date	:NA	Address of Applicant :CRPF Gate No. 3Digdoh HillsHingna
(33) Name of priority country	:NA	RoadNagpur Maharashtra-440016 Maharashtra India
(86) International Application No	:PCT//	2)G.H.R. Labs and Research Centre
Filing Date	:01/01/1900	(72)Name of Inventor :
(87) International Publication No	: NA	1)Mr. Gopal S. Sakarkar
(61) Patent of Addition to Application Number	:NA	2)Dr. V. M. Thakare
Filing Date	:NA	3)Dr. S.P. Deshpande
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

ABSTRACT The lack of semantics and personalization of web based e-Learning system is a most focused research area of today<sup>TM</sup>s era. Social networking plays a vital role in the information sharing and knowledge distribution. Implementation of social networking concept to improve the e-learning system is very challenging aspect of today<sup>TM</sup>s researcher. Social networking includes various online forums blogs social bookmarking mobile and researcher<sup>TM</sup>s social networking sits. The present invention relates to a system framework and methods is for providing e-learning also referred to in the art as computer based training computer assisted instruction and technology supported learning are known. Such applications and systems use content for example lectures textual notes video and book chapters which are delivered to users electronically. In order to describe the e-learning content framework is associated with the content. Ontology based standards is one technology which is conventionally used to define the relationships between entities on a conceptual level. Following invention is described in detail with the help of Figure 1 of sheet 1showsthe Generalize e-Learning Web Personalization Framework.

No. of Pages : 15 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :19/01/2015

#### (21) Application No.142/MUMNP/2015 A

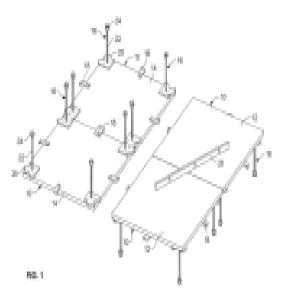
(43) Publication Date : 16/10/2015

# (54) Title of the invention : VISUAL DISPLAY SYSTEM AND METHOD OF CONSTRUCTING A HIGH GAIN REFLECTIVE BEAM SPLITTER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:13/559828 :27/07/2012 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)NB TECH INC.</li> <li>Address of Applicant :185 Lower Ridge Road Conway Arkansas</li> <li>72032 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)BAKER Gary</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A system and method of making a remarkably bright high gain reflective beam splitter is presented. Each non glued together touching layer of the multilayered film of the beam splitter has front and back reflective surfaces that additively increase the brightness. The system can include tables step down shelves cutting bars gripper units tension units a frame a hoist assembly and dollies. Constructing the beam splitter can use grippers that slip slightly as a function of applied tensioning force along the trimmed edges of the multilayered film. This slip gripping scheme can result in constructing subtantially coplanar sheets of the multilayered film that touch each other face to face and result in removing most of the air between the sheets. The planar integrity of the multilayered film of the high gain reflective beam splitter can be maintained at almost any desired display angle even when the high gain reflective beam splitter is as large as a standard theatrical stage.



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

(22) Date of filing of Application :13/01/2015

(21) Application No.118/MUM/2015 A

(43) Publication Date : 16/10/2015

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:G11B 5/00 :1401343.7 :27/01/2014 :U.K. :PCT// :01/01/1900 : NA :NA :NA :NA :NA	United Kingdom U.K. (72)Name of Inventor :

(57) Abstract :

A device is provided in which messages are received from a backplane through backplane connectors. Switching circuitry identifies which messages received from the backplane are intended for the operational circuitry of the device and interprets the input/output protocol of such messages while returning messages not intended for the operational circuitry to the backplane. The switching circuitry is removable from the device independently of the backplane connectors allowing it to be changed for use with different backplane protocols without affecting other device elements. Fig.2

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

(22) Date of filing of Application :16/01/2015

(21) Application No.118/MUMNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : DECODED PICTURE BUFFER SIZE MANAGEMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:61/669679 :10/07/2012 :U.S.A. :PCT/US2013/049992 :10/07/2013 :WO 2014/011822 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)CISCO TECHNOLOGY INC. Address of Applicant :170 West Tasman Drive San Jose CA 95134</li> <li>U.S.A. U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)RODRIGUEZ Arturo A.</li> <li>2)KATTI Anil Kumar</li> <li>3)HWANG Hsiang Yeh</li> </ul>
Filing Date	:NA :NA	

### (57) Abstract :

In one embodiment a method of video processing is disclosed. The method may include receiving by a processing device a first portion of compressed pictures of a bitstream the first portion of compressed pictures corresponding to a first picture resolution format (PRF) the first portion of the compressed pictures comprising at least one picture compressed at a first encoding level the first portion of the compressed pictures having an intended picture output as a sequence of pictures in the first PRF; determining a size of the largest picture of the first encoding level; determining a first number of picture buffers corresponding to the largest picture; allocating a linear memory based on the first number of picture and the largest picture size of the at least one picture of the first portion of the compressed picture and the largest picture size of the first encoding level; determining a second number of picture buffers based on the determined ratio; and mapping the second number of picture buffers in the first number of picture buffers.



No. of Pages : 59 No. of Claims : 20

(22) Date of filing of Application :14/04/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : A DEVICE AND PROCESS FOR REMOTE MONITORING AND STOCK ASSESSMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	A61F13/42 :NA :NA :NA	Address of Applicant :Nirmal Building 9th Floor Nariman Point Mumbai 400 021.Maharashtra India Maharashtra India (72) <b>Name of Inventor :</b>
<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:PCT// :01/01/1900 : NA :NA :NA :NA	1)KUMAR Swagat
Filing Date	:NA	7)CHAUHAN Vishalkumar Hasmukhbhai

(57) Abstract :

A computer implemented system for remote monitoring and assessing stock in an enclosed environment comprising an area of shelves and aisles between the shelves. These shelves are adapted to removably hold the stock comprising clusters of items. The system includes at least one monitoring device which is adapted to move between the aisles and collectively provide images of the clusters of items from various angles. A controlling device included in the system is configured to control movements of this monitoring device along the aisles. The system also includes a comparator which is configured to compare images of each of the cluster of items provided by at least one monitoring device with stored images of corresponding clusters of items to determine balance items in the clusters and provide percentage occupancy of shelves and thereby assess stock.

No. of Pages : 26 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :20/01/2015

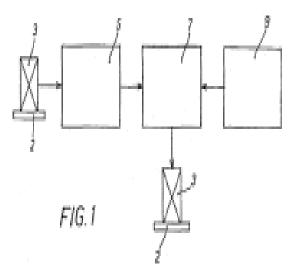
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : PROCESS AND PLANT FOR THE ANTI OXIDISING SURFACE TREATMENT OF STEEL PARTS

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:26/06/2012 :WO 2014/002120 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)CAVINA FULVIO Fabrizio Address of Applicant :Strada Val Salice 227/7 I 10131 Torino Italy</li> <li>2)ROVETTO Guido</li> <li>(72)Name of Inventor :</li> <li>1)CAVINA FULVIO Fabrizio</li> <li>2)ROVETTO Guido</li> </ul>
Number	:NA	
(	:NA :NA	

(57) Abstract :

A process and a plant are described for the anti oxidising surface treatment of steel parts that perform the steps of: washing or de greasing a charge of components; nitriding under gaseous phase the charge composed of the sub steps of: pre heating with nitrogen till a temperature of 350 °C; heating from 350 °C to 450 °C in an atmosphere composed of a mixture containing C02 and N2; heating from 450 °C to 520 600 °C for half an hour in an atmosphere containing N2; maintaining at the same temperature of 520 600 °C for a period from 2 to 10 hours . in an atmosphere composed of a mixture containing NH3 and N2; washing with nitrogen the environment where said nitriding occurred; and steam oxidising consisting in the immission of overheated steam at a temperature in the range from 490 °C and 540 °C for the necessary time to obtain a complete oxigen iron exchange.



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

(22) Date of filing of Application :03/01/2015

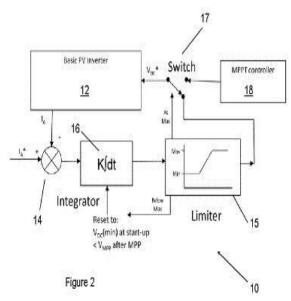
(43) Publication Date : 16/10/2015

# (54) Title of the invention : METHOD AND SYSTEM FOR CONTROLLING A POWER OUTPUT OF AN INVERTER

(51) International classification	:G05D3/00	(71)Name of Applicant :
(31) Priority Document No	:1400670.4	
(32) Priority Date	:15/01/2014	-/
(33) Name of priority country	:U.K.	United Kingdom U.K.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)HARGIS Colin
(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	

<sup>(57)</sup> Abstract :

A method of controlling a power output of an inverter (12) is provided comprising measuring an output current (IA) of the inverter (12) determining a difference between the output current (IA) and a reference current (IA) and controlling a reference input voltage (VDC) of the inverter (12) as a function of the determined difference. A system (10) for controlling a power output of an inverter (12) comprises an inverter (12) arranged to output a current (IA) as a function of a reference input voltage (VDC). The system (10) further comprises a controller (14 16) arranged to determine a difference between the output current (IA) and a reference current (IA) and to control the reference input voltage (VDC) as a function of the determined difference. The method controls a photovoltaic inverter at a power less than its maximum capability thereby avoiding the photovoltaic array voltage rising above a certain level. Fig.2



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

(19) INDIA

(22) Date of filing of Application :02/01/2015

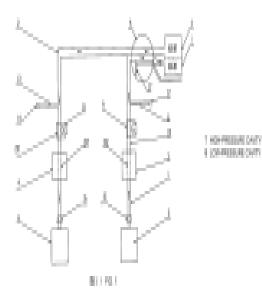
#### (43) Publication Date : 16/10/2015

#### (54) Title of the invention : DUAL CONTAINER TYPE BALANCED LAVAGE APPARATUS OF THROMBUS REMOVER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to Application</li> <li>Number Filing Date</li> </ul>	:A61M1/00A61B17/3203A61M3/02 :201210187340.0 :08/06/2012 :China :PCT/CN2013/076643 :03/06/2013 :WO 2013/182020 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LI Guangcheng Address of Applicant :Huangpujiang Road No. 9 Economic And Technological Development Zone Qingdao Shandong 266555 China China</li> <li>(72)Name of Inventor :</li> <li>1)LI Guangcheng</li> <li>2)ZHANG WENDI</li> <li>3)LIU YUHAN</li> <li>4)SUI SONGTAO</li> <li>5)LIU PING</li> <li>6)LIN JIE</li> <li>7)XUE XINXIA</li> <li>8)LIU JINXIA</li> <li>9)GUO DAORUI</li> <li>10)JIANG YONGJJE</li> <li>11)ZHANG WENYONG</li> <li>12)LIU JIAN</li> </ul>
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#### (57) Abstract :

A dual container type balanced lavage apparatus of a thrombus remover. The apparatus comprises a liquid inlet pipe (1) a liquid outlet pipe (2) pump number one (3) pump number two (4) container number one (5) and container number two (6). Container number one (5) is connected to a high pressure cavity (7) of a debris aspiration apparatus in the thrombus remover via the liquid inlet pipe (1) and pump number one (3) while a low pressure cavity (8) of the debris aspiration apparatus is connected to container number two (6) via the liquid outlet pipe (2) and pump number two (4). Arranged on the liquid inlet pipe (1) between pump number one (3) and the high pressure cavity (7) of the debris aspiration apparatus is flexible pipe section number one (101) for use in cushioning pressure waves generated by pump number one (3). Arranged on the liquid outlet pipe (2) between the low pressure cavity (8) of the debris aspiration apparatus and pump number two (4) is flexible pipe section number two (201) for use in cushioning pressure waves generated of flexible pipe sections number one and two (101 and 201) respectively on the liquid inlet pipe (1) and on the liquid outlet pipe (2) allows for use of the flexible pipe walls of each to cushion the pressure waves generated by pumps number one and two (3 and 4) thus facilitating increased operation stability of the entire apparatus.



No. of Pages : 12 No. of Claims : 9

(22) Date of filing of Application :02/01/2015

(21) Application No.16/MUMNP/2015 A

(43) Publication Date : 16/10/2015

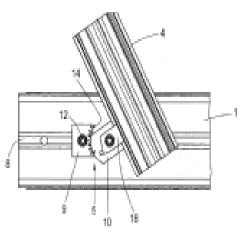
#### (54) Title of the invention : DEVICE FOR FASTENING A RAIL TO A CARRIER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> <li>(63) Divisional to Application Number</li> <li>Filing Date</li> <li>(64) Divisional to Application Number</li> <li>Filing Date</li> <li>(65) Divisional to Application Number</li> <li>Filing Date</li> <li>(65) Divisional to Application Number</li> <li>Filing Date</li> <li>(7) Divisional to Application Number</li> <li>(7</li></ul>	<ul> <li>(71)Name of Applicant :         <ul> <li>1)RAIL.ONE GMBH Address of Applicant :Ingolstdter Str. 51 92318 Neumarkt Germany</li> <li>(72)Name of Inventor :                 <ul> <li>1)S.,CKLER Robert</li> <li>2)ROSSMANN Hans Christian</li> </ul> </li> </ul> </li> </ul>
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(57) Abstract :

The invention relates to a device for fastening a rail to a carrier wherein the device has a first fastening element (9) which can be anchored to the carrier and a second fastening element (10) which can be anchored to the carrier and has a rest face for a rail foot wherein the first and second fastening elements (9 10) each have a contact face (14 15) which is formed in a concave manner in the first fastening element (9) and in a mirror inverted convex manner in the second fastening element (10).

FIG. 2



No. of Pages : 22 No. of Claims : 11

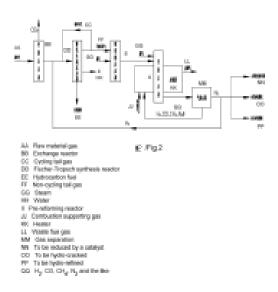
(22) Date of filing of Application :15/01/2015

(43) Publication Date : 16/10/2015

(54) Title of the invention : PROCESS FOR COMPREHENSIVELY UTILIZING LOW CARBON EMISSION FISCHER TROPSCH SYNTHESIS TAIL GAS

#### (57) Abstract :

Disclosed is a process for comprehensively utilizing low carbon emission Fischer Tropsch synthesis tail gas. In the process a non cycling tail gas generated after a Fischer Tropsch synthesis reaction is steam reformed and converted into a hydrogen rich synthesis gas and then highly purified hydrogen is separated and extracted from the hydrogen rich synthesis gas for use. The process comprises the following steps: 1) conducting a steam conversion reaction to obtain converted gas; 2) conducting a Fischer Tropsch synthesis reaction to obtain a hydrocarbon fuel; 3) after a pre reforming reaction converting a hydrocarbon compound containing two or more carbon atoms into methane; 4) conducting a reforming reaction to convert the methane and steam into hydrogen and carbon monoxide; 5) separating the hydrogen and carbon monoxide from the gas; and 6) providing heat for a reforming reactor. The present invention effectively utilizes the Fischer Tropsch synthesis tail gas especially a tail gas containing a large amount of inert constituents and converts the tail gas into the hydrogen for use. Furthermore the present invention effectively utilizes the residual combustible constituents in the reformed gas after the hydrogen is separated thus improving energy utilization efficiency.



No. of Pages : 28 No. of Claims : 12

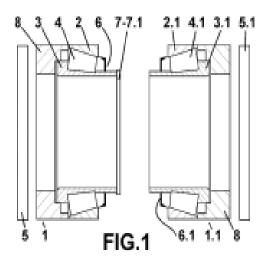
(22) Date of filing of Application :19/01/2015

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : BEARING ASSEMBLY WITH SAFETY BUSHING AND INSERTION METHOD

(57) Abstract :

The invention relates to a bearing assembly with safety bushing and to a method for inserting same into the wheel hub (not depicted) of a commercial vehicle. The assembly is formed by two pre assembled conical roller bearing units (1 1.1) each comprising: an inner ring (2) an outer ring (3) a plurality of conical rollers (4) in a cage and a box (6) that axially retains the outer ring (2) as well as a safety bushing (8) pre mounted on the inner ring (3) for transmitting the insertion force to the outer ring (2). In addition one of the units (1) also includes a hermetic closure (7). After the units (1) are inserted into the wheel hub the bushings (8) are extracted and are used as tools for inserting the respective seals (5) between the inner rings (3) and the wheel hub.



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

(19) INDIA

(22) Date of filing of Application :01/01/2015

(43) Publication Date : 16/10/2015

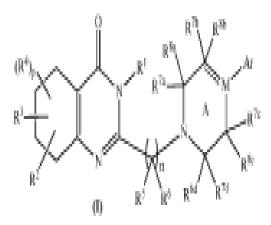
## (54) Title of the invention : TETRAHYDROQUINAZOLINONE DERIVATIVES AS PARP INHIBITORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> </ul>	:09/07/2013	<ul> <li>1)LUPIN LIMITED Address of Applicant :159 CST Road Kalina Santacruz (East) State of Maharashtra Mumbai 400 098 India Maharashtra India (72)Name of Inventor :</li> <li>1)JANA Gourhari</li> <li>2)KURHADE Sanjay Pralhad</li> <li>3)JAGDALE Arun Rangnath</li> <li>4)KUKREJA Gagan</li> </ul>
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	5)SINHA Neelima 6)PALLE Venkata P. 7)KAMBOJ Rajender Kumar

(57) Abstract :

Disclosed are compounds of formula (I) their tautomeric forms stereoisomers and pharmaceutically acceptable salts thereof wherein R

R R R A M n and p are as defined in the specification pharmaceutical compositions including a compound tautomer stereoisomer or salt thereof and methods of treating or preventing diseases or disorders for example cancer that are amenable to treatment or prevention by inhibiting the PARP enzyme of a subject.



No. of Pages : 155 No. of Claims : 18

(22) Date of filing of Application :05/01/2015

(21) Application No.20/MUMNP/2015 A

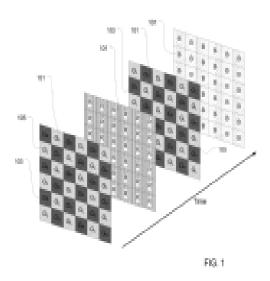
(43) Publication Date : 16/10/2015

# (54) Title of the invention : WIDE DYNAMIC RANGE USING MONOCHROMATIC SENSOR

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:H04N5/3745H04N5/347H01L31/00 :61/676289 :26/07/2012 :U.S.A. :PCT/US2013/052424 :26/07/2013 :WO 2014/018949 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)OLIVE MEDICAL CORPORATION <ul> <li>Address of Applicant :2302 South Presidents Drive Suite D Salt Lake</li> <li>City UT 84120 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)BLANQUART Laurent</li> <li>2)RICHARDSON John</li> </ul> </li> </ul>
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(57) Abstract :

The disclosure extends to methods systems and computer program products for widening dynamic range within an image in a light deficient environment.



No. of Pages : 30 No. of Claims : 10

(22) Date of filing of Application :05/08/2014

(21) Application No.2515/MUM/2014 A

(43) Publication Date : 16/10/2015

### (54) Title of the invention : LATCHING MODULE AND CABINET USING THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:201410141078.5 :10/04/2014 :China :PCT// :01/01/1900 : NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)DELTA ELECTRONICS INC. Address of Applicant :No. 31-1 Shien Pan Road Kuei San Industrial Zone Taoyuan Hsien 333 Taiwan R.O.C. Taiwan</li> <li>(72)Name of Inventor :</li> <li>1)Li Ming-Lung</li> <li>2)Liao Che-Wei</li> </ul>
(61) Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA :NA	

<sup>(57)</sup> Abstract :

ABSTRACT Title.: LATCHING MODULE AND CABINET USING THE SAME A latching module includes a beam structure and a locking element. The beam structure is installed on a cabinet and has a first groove and a second groove. The locking element includes a backside plate a first engaging part and a second engaging part. After a covering plate is inserted into the first groove of the beam structure the first engaging part of the locking element is inserted into the first groove and the backside plate of the locking element is sustained against the covering plate and then the second engaging part of the locking element is locked into the second groove of the beam structure so that the locking element is securely locked on the beam structure and the covering plate is securely fixed on the cabinet by the locking element.

No. of Pages : 25 No. of Claims : 10

(22) Date of filing of Application :24/12/2014

(21) Application No.2624/MUMNP/2014 A

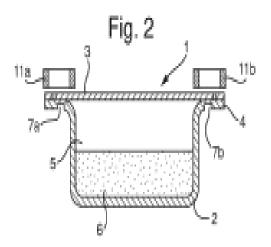
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : CAPSULE RECOGNITION SYSTEM

(51) International classification	:A47J31/06A47J31/44B65D85/804	(71)Name of Applicant :
(31) Priority Document No	:12175405.5	1)UNILEVER PLC
(32) Priority Date	:06/07/2012	Address of Applicant : Unilever House 100 Victoria Embankment
(33) Name of priority country	:EPO	London Greater London EC4Y 0DY U.K. U.K.
(86) International Application No	:PCT/EP2013/063950	(72)Name of Inventor :
Filing Date	:02/07/2013	1)CROSS David Murray
(87) International Publication No	:WO 2014/006054	2)PATON Michael
(61) Patent of Addition to Application	<sup>1</sup> :NA	3)SMITH Alistair David
Number	:NA	4)TOON Daniel Thomas
Filing Date	.INA	5)WALTER Daniel Mark
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	.NA	

(57) Abstract :

The present invention relates to a capsule for a beverage production machine the capsule comprising: an ingredient enclosed within the capsule; and an identifier; wherein the identifier is an area of conductive material incorporating a code pattern the code pattern consisting of a predetermined arrangement of one or more discontinuities formed in the conductive material and wherein the capsule comprises an orientation member for directing the alignment of the capsule within the beverage production machine.



No. of Pages : 26 No. of Claims : 13

(22) Date of filing of Application :24/12/2014

(21) Application No.2625/MUMNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : APPARATUS AND METHODS FOR EFFICIENT UPDATES IN SPIKING NEURON NETWORKS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G06F15/18G10L25/30 :13/560891 :27/07/2012 :U.S.A. :PCT/US2013/052127 :25/07/2013 :WO 2014/018793 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM TECHNOLOGIES INC. Address of Applicant :5775 Morehouse Drive San Diego CA 92121 U.S.A. U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)SINYAVSKIY Oleg</li> <li>2)POLONICHKO Vadim</li> <li>3)IZHIKEVICH Eugene</li> </ul>
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(57) Abstract :

Efficient updates of connections in artificial neuron networks may be implemented. A framework may be used to describe the connections using a linear synaptic dynamic process characterized by stable equilibrium. The state of neurons and synapses within the network may be updated based on inputs and outputs to/from neurons. In some implementations the updates may be implemented at regular time intervals. In one or more implementations the updates may be implemented on demand based on the network activity (e.g. neuron output and/or input) so as to further reduce computational load associated with the synaptic updates. The connection updates may be decomposed into multiple event dependent connection change components that may be used to describe connection plasticity change due to neuron input. Using event dependent connection change components connection updates may be executed on per neuron basis as opposed to per connection basis.

No. of Pages : 78 No. of Claims : 24

(22) Date of filing of Application :24/12/2014

(21) Application No.2627/MUMNP/2014 A

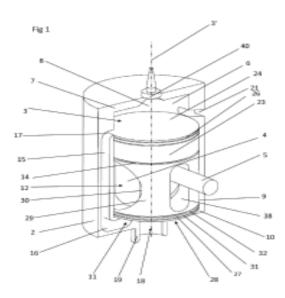
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : PISTON ARRANGEMENT AND INTERNAL COMBUSTION ENGINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:PCT/GB2013/051677 :25/06/2013 :WO 2014/001788 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)JUKES Oliver <ul> <li>Address of Applicant :156 Main Road Cleeve Bristol BS49 4PP U.K.</li> <li>U.K.</li> <li>(72)Name of Inventor :</li> <li>1)JUKES Oliver</li> </ul> </li> </ul>
Filing Date	:NA	

(57) Abstract :

A piston arrangement comprising: a piston a first chamber a second chamber and a power transfer assembly; wherein the piston comprises a first head movable within the first chamber and a second head movable within the second chamber; wherein in operation the piston follows a linear path in reciprocating motion along a first axis; wherein the power transfer assembly comprises a shaft rotatably coupled to a shuttle bearing and arranged to convert the reciprocating motion of the piston to rotary motion of the shaft; wherein the shuttle bearing moves relative to the piston in reciprocating motion along a second axis substantially transverse to the first axis; and wherein the shuttle bearing is coupled to the piston via a non planar bearing surface thereby allowing rotation of the shuttle bearing.



No. of Pages : 41 No. of Claims : 30

(22) Date of filing of Application :14/01/2015

(21) Application No.105/MUMNP/2015 A

#### (43) Publication Date : 16/10/2015

(54) Title of the invention : PROCESS		
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K8/34A61K8/41A61Q5/12 :12178171.0 :27/07/2012 :EPO :PCT/EP2013/065648 :24/07/2013 :WO 2014/016354 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)UNILEVER PLC Address of Applicant :Unilever House 100 Victoria Embankment London Greater London EC4Y 0DY U.K.</li> <li>(72)Name of Inventor :</li> <li>1)CASUGBO Christia</li> <li>2)FLANAGAN Mark</li> <li>3)HOUGH John Alan</li> <li>4)NAUGHTON John Michael</li> <li>5)SERRIDGE David</li> </ul>

(57) Abstract :

+12341234130Process for making a conditioning gel phase comprising: forming a comelt in a first vessel comprising fatty alcohol and cationic component and 0 15% wt. comelt of water (A) adding the comelt to a second vessel containing water at 50 60°C (B) mixing wherein the temperature of the mixture of the comelt and the water in the second vessel (B) is controlled such that it is maintained from 56 65°C preferably from 58 62°C more preferably 60°C wherein the fatty alcohol has from 8 to 22 carbons and wherein the cationic component comprises from 0 70% wt. cationic component cationic surfactants have the formula NRRRR more preferably from 30 60% wt. cationic surfactant component and wherein R R R and R are independently (C to C) alkyl or benzyl and process for manufacturing a conditioning composition by forming a conditioning gel phase obtained by any of claims 1 7 and then adding any remaining ingredients.

No. of Pages : 15 No. of Claims : 8

(22) Date of filing of Application :17/01/2015

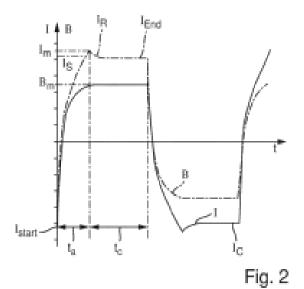
(43) Publication Date : 16/10/2015

(54) Title of the invention : METHOD FOR CONTROLLING A COIL CURRENT OF A MAGNETOINDUCTIVE FLOWMETER

(51) International classification	:G01F1/60	(71)Name of Applicant :
(31) Priority Document No	:10 2012 105 716.8	1)ENDRESS+HAUSER FLOWTEC AG
(32) Priority Date	:28/06/2012	Address of Applicant :Kgenstrasse 7 CH 4153 Reinach (BL)
(33) Name of priority country	:Germany	Switzerland
(86) International Application No	:PCT/EP2013/061419	(72)Name of Inventor :
Filing Date	:04/06/2013	1)REFENACHT Markus
(87) International Publication No	:WO 2014/001026	2)SPAHLINGER Andre
(61) Patent of Addition to Application Number	:NA	3)KENG Thomas
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

HSSHHA method for controlling the coil current of a magnetoinductive flowmeter with a first value representing an overvoltage U and a second value representing a holding voltage U wherein the first value is greater than the second value characterized by the following steps of: A setting a first switching point I for the current intensity up to which a coil is intended to be supplied with the overvoltage U; B applying an overvoltage U until the current intensity rises to the currently set switching point I of the current intensity; C changing over from the overvoltage U to the holding voltage U in order to keep the current intensity at a constant final current value I and a magnetoinductive flowmeter.



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

(22) Date of filing of Application :26/12/2014

(21) Application No.2636/MUMNP/2014 A

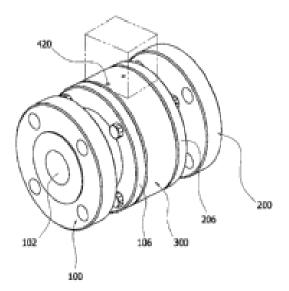
(43) Publication Date : 16/10/2015

# (54) Title of the invention : PREFABRICATED HIGH PRESSURE FLOW CONTROL VALVE

(51) International classification	:F16K17/02F16K27/00	(71)Name of Applicant :
(31) Priority Document No	:10-2012-0078008	1)LEE Myung Sang
(32) Priority Date	:17/07/2012	Address of Applicant :101 1602 Yeonsu Woosung 1 Cha Apt. Yeonsu
(33) Name of priority country	:Republic of Korea	2 dong Yeonsu gu Incheon 406 764 Republic of Korea Republic of Korea
(86) International Application No	:PCT/KR2013/006212	(72)Name of Inventor :
Filing Date	:11/07/2013	1)LEE Myung Sang
(87) International Publication No	:WO 2014/014234	
(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 relates to a prefabricated high pressure flow control valve comprising: an inflow housing (100); an outflow housing (200); a flow rate control housing (300); a packing sheet (500) having a slope (502) corresponding closely to a flow rate control means (400) so as to control a fluid discharged from an outlet (202); and a packing sheet fixing part (600) for preventing the separation of the packing sheet and fixing the packing sheet.



No. of Pages : 28 No. of Claims : 3

(21) Application No.2637/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :26/12/2014

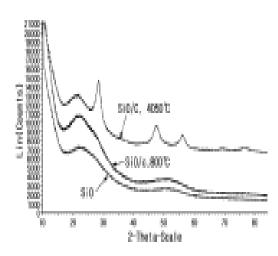
(43) Publication Date : 16/10/2015

# (54) Title of the invention : HIGH CAPACITY ANODE ACTIVE MATERIAL FOR LITHIUM SECONDARY BATTERY MANUFACTURING METHOD THEREFOR AND LITHIUM SECONDARY BATTERY COMPRISING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:H01M4/587H01M4/48H01M4/134 :10-2012-0141076 :06/12/2012 :Republic of Korea :PCT/KR2013/011032 :29/11/2013 :WO 2014/088270	<ul> <li>1)LG CHEM LTD. Address of Applicant :128 Yeoui daero Yeongdeungpo gu Seoul 150</li> <li>721 Republic of Korea Republic of Korea (72)Name of Inventor :</li> <li>1)LEE Yong Ju</li> <li>2)KIM Je Young</li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)KIM Tae Hoon 4)PARK Cheol Hee 5)KANG Yoon Ah
(62) Divisional to Application Number Filing Date	:NA :NA	6)LEE Mi Rim 7)JUNG Hye Ran 8)JEONG Han Nah

(57) Abstract :

An anode active material according to the present invention which is an amorphous SiO C complex of a core shell structure comprising: a core part including silicon oxide (SiOx) particles of a pre Si crystal and a shell part which is a coating layer including a carbon material on a surface of at least a part of the core part. Thus the present invention provides an electrode active material and a lithium secondary battery which have high capacity and have excellent lifespan by efficiently suppressing volume expansion which is problem when using Si through the anode active material.



No. of Pages : 19 No. of Claims : 12

(22) Date of filing of Application :26/12/2014

#### (21) Application No.2631/MUMNP/2014 A

(43) Publication Date : 16/10/2015

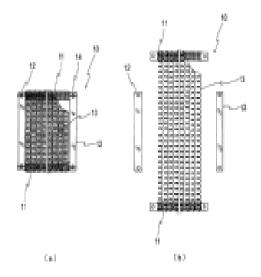
(54) Title of the invention : ELASTIC CUSHION MATERIAL AND ION EXCHANGE MEMBRANE ELECTROLYTIC CELL UTILIZING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:C25B13/02C25B9/08 :2012-134271 :13/06/2012 :Japan :PCT/JP2013/065085 :30/05/2013 :WO 2013/187242 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)CHLORINE ENGINEERS CORP.LTD. Address of Applicant :7F Sakura Nihombashi Bldg. 13 12</li> <li>Nihombashikayabacho 1 chome Chuo ku Tokyo 1030025 Japan Japan (72)Name of Inventor :</li> <li>1)KODAMA Yoshiyuki</li> <li>2)KAWANISHI Koji</li> </ul>
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(57) Abstract :

Provided are an elastic cushion material which can be installed in an ion exchange membrane electrolytic cell that has such a small gap between an electrode and an electrode current collector plate that a conventional elastic cushion cannot be installed therein and an ion exchange membrane electrolytic cell that utilizes the elastic cushion material. This elastic cushion material (10) has a pair of corrosion resistant metallic thin plates (11) that are arranged parallel to each other with a space therebetween and fixation members (12) for fixing the pair of corrosion resistant metallic thin plates (11) and is constructed by winding a metallic elastic body (13) between the pair of corrosion resistant metallic thin plates (11). The fixation members (12) are attached in a detachable manner from the pair of corrosion resistant metallic thin plates (11). Preferably the metallic elastic body (13) is a metallic coil body. It is also preferable that each corrosion resistant metallic thin plate (11) is provided with a slippage prevention means.

0510



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

(22) Date of filing of Application :26/12/2014

(21) Application No.2632/MUMNP/2014 A

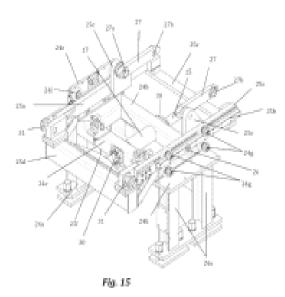
(43) Publication Date : 16/10/2015

# (54) Title of the invention : MOULD CONVEYOR

(51) International classification	:B22D33/00B65G25/04	(71)Name of Applicant :
(31) Priority Document No	:P201230812	1)LORAMENDI S. COOP.
(32) Priority Date	:29/05/2012	Address of Applicant : Alibarra 26 E 01010 Vitoria Gasteiz (• lava)
(33) Name of priority country	:Spain	Spain Spain
(86) International Application No	:PCT/ES2013/070326	(72)Name of Inventor :
Filing Date	:23/05/2013	1)MARCO SERRANO Csar
(87) International Publication No	:WO 2013/178849	2)CALVO POZA Francisco Javier
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		L

### (57) Abstract :

The invention relates to a conveyor comprising: a frame having a supporting grille (4) mounted therein and a clamping mechanism which can move longitudinally in relation to the supporting grille (4) and which comprises longitudinal clamps (8 8a; 9 9a). The conveyor is characterised in that: the clamps (8 8a; 9 9a) comprise a pair of delivery clamps (8a 9a); the push device is a push carriage (25) connected to the actuation means via a linear push system comprising at least one linear push element including a driving element connected to the actuation means and disposed in a zone upstream of the inlet area (1a) of the mould conveyor (1) and a longitudinal push bar (15) that extends linearly below the supporting grille (4); and the push carriage (25) is guided horizontally to perform a horizontal forward and backward movement.



No. of Pages : 33 No. of Claims : 19

(22) Date of filing of Application :26/12/2014

(21) Application No.2633/MUMNP/2014 A

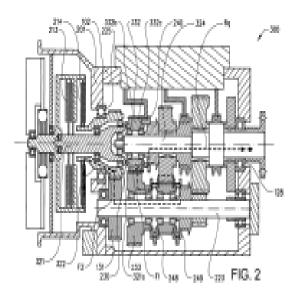
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : DUAL CLUTCH TRANSMISSION

(51) International classification	:F16H3/00F16H3/091	(71)Name of Applicant :
(31) Priority Document No	:NA	1)VOLVO LASTVAGNAR AB
(32) Priority Date	:NA	Address of Applicant :S 405 08 Gteborg Sweden Sweden
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:PCT/EP2012/002668	1)HEDMAN Anders
Filing Date	:25/06/2012	
(87) International Publication No	:WO 2014/000752	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

Dual clutch transmission (300 400) comprising; a first and a second input shaft (321 322) provided with a first and second input means (213 214) respectively a centre shaft (324 424) a countershaft (223) and a first and a second primary gear step (332 233 432 233; 230 131) wherein said first and second input shaft (321 322) are coaxial arranged with said centre shaft (324 424) and can transfer torque from said first and second input means (213 214) to said countershaft (223) via said first and said second primary gear step (332 233 432 233; 230 131) said first primary gear step (332 233 432 233) comprises a first input gearwheel (332 432) and a first driven gearwheel (233) wherein said first input gearwheel (332 432) is rotationally fixed with said first input shaft (321) and where said first input gearwheel (332 432) is arranged upon said centre shaft (324 424).



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

(19) INDIA

(22) Date of filing of Application :17/01/2015

(43) Publication Date : 16/10/2015

### (54) Title of the invention : SOLID COMPOSITION COMPRISING IRON FOR USE IN IRON DEFICIENT CONDITIONS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:A61K9/16A61K33/26A23K1/175 :MI2012A001350 :31/07/2012 :Italy	<ul> <li>(71)Name of Applicant :</li> <li>1)ALESCO S.R.L.</li> <li>Address of Applicant :Via delle Lenze 216/B I 56122 Pisa Italy</li> <li>(72)Name of Inventor :</li> </ul>
<ul><li>(86) International Application No Filing Date</li></ul>	:PCT/IB2013/001659 :30/07/2013	1)LACORTE Andrea 2)TARANTINO Germano
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA ::NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to an iron based composition for use in conditions of total or relative iron deficiency. In particular the present invention relates to a solid composition preferably in the form of powder or granules for use in the treatment of disorders or diseases related to or derived from an iron deficiency. The composition of the present invention is suitable for pediatric subjects adolescents athletes men women pregnant women and elderly. Finally the present invention relates to a process for preparing said solid composition.

No. of Pages : 29 No. of Claims : 13

(21) Application No.1995/MUM/2014 A

(22) Date of filing of Application :20/06/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : RING SPINNING MACHINE WITH A SENSOR TO DETECT THE MOVEMENT OF THE RING TRAVELLER

:102013011921.9 :17/07/2013 :Germany :NA :NA : NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SAURER GERMANY GMBH &amp; CO. KG Address of Applicant :LEVERKUSER STRASSE 65 42897</li> <li>REMSCHEID GERMANY Germany</li> <li>(72)Name of Inventor :</li> <li>1)Mann Peter</li> <li>2)Schmidtke Rudolf</li> </ul>
:NA :NA :NA	
	:102013011921.9 :17/07/2013 :Germany :NA :NA : NA :NA :NA :NA

(57) Abstract :

The invention relates to a ring spinning machine with a ring rail (1) spinning rings (2) on which a ring traveller (3) is rotatably fastened in each case being arranged on the ring rail (1) wherein a sensor (4 5) is present to detect the movement of a ring traveller (3) and wherein a separator (6) is arranged between two adjacent spinning rings (2) above the ring rail (1) in such a way that upon a ring rail lift the spacing from the ring rail (1) remains constant. According to the invention the sensor is configured as a microphone (4 5) is arranged in the lower region of the separator (6) and is held thereby. The invention furthermore related to the separator (6).

No. of Pages : 12 No. of Claims : 9

(22) Date of filing of Application :29/12/2014

(21) Application No.2642/MUMNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : CATALYST FOR THE PRODUCTION OF HIGHER ALCOHOLS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:B01J23/00B01J23/08B01J23/62 :12382262.9 :29/06/2012 :EPO :PCT/ES2013/070442 :28/06/2013 :WO 2014/001595 :NA	<ul> <li>1)ABENGOA BIOENERG • A NUEVAS TECNOLOG • AS S. A. Address of Applicant :Campus Palmas Altas C/ Energa Solar 1 E</li> <li>41014 Sevilla Spain Spain</li> <li>(72)Name of Inventor :</li> <li>1)ARJONA ANTOLIN Ricardo</li> <li>2)SANZ YAGE Juan Luis</li> <li>3)CORMA CANOS Avelino</li> </ul>
Number Filing Date	:NA :NA	4)DOMINE Marcelo Eduardo
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a method for the production of catalysts of metal oxide comprising gallium capable of synthesising higher alcohols from lower alcohols. The invention also relates to the method for the production of said catalysts.

No. of Pages : 33 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :29/12/2014

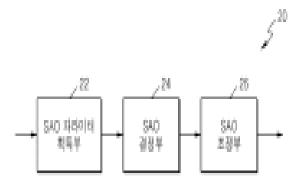
(43) Publication Date : 16/10/2015

# (54) Title of the invention : METHOD AND APPARATUS FOR ENCODING VIDEOS SHARING SAO PARAMETER ACCORDING TO COLOR COMPONENT

(51) International classification	:H04N7/26	(71)Name of Applicant :
(31) Priority Document No	:61/657967	1)SAMSUNG ELECTRONICS CO. LTD.
(32) Priority Date	:11/06/2012	Address of Applicant :129 Samsung ro Yeongtong gu Suwon si
(33) Name of priority country	:U.S.A.	Gyeonggi do 443 742 Republic of Korea Republic of Korea
(86) International Application No	:PCT/KR2013/005112	(72)Name of Inventor :
Filing Date	:11/06/2013	1)ALSHINA Elena
(87) International Publication No	:WO 2013/187654	2)ALSHIN Alexander
(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 method and an apparatus for encoding a video and a method and an apparatus for decoding a video which generates a recovered image of which error compared to an original image is minimized. Disclosed is the method for decoding the video including sample adaptive offset (SAO) adjustment comprising: obtaining a slice SAO parameter of a current slice from a slice header of a bitstream which is received; obtaining luma SAO usage information for a luma component of the current slice from among the slice SAO parameters and chroma SAO usage information for chroma components; determining whether to perform an SAO adjustment on the luma component of the current slice on the basis of the luma SAO usage information; and determining the same result for whether to perform the SAO adjustment on a first chroma component and a second chroma component of the current slice on the basis of the chroma SAO usage information.



- 22 ... SAO parameter obtainment portion
- 24 ... SAO determining portion
- 26 ... SAO adjustment portion

No. of Pages : 119 No. of Claims : 15

(21) Application No.2644/MUMNP/2014 A

# (22) Date of filing of Application :29/12/2014

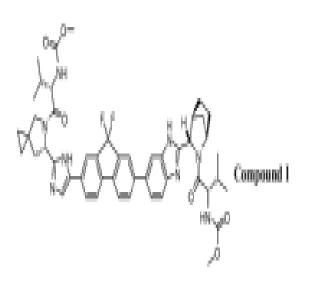
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : SOLID FORMS OF AN ANTIVIRAL COMPOUND

<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:04/06/2013	<ul> <li>(71)Name of Applicant :</li> <li>1)GILEAD PHARMASSET LLC Address of Applicant :333 Lakeside Drive Foster City California</li> <li>94404 U.S.A. U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)SCOTT Robert William</li> <li>2)WANG Fang</li> <li>3)SHI Bing</li> <li>4)MOGALIAN Erik</li> </ul>
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	.INA	

(57) Abstract :

Amorphous and crystalline solid forms of the anti HCV compound (1 {3 [6 (9 9 difluoro 7 {2 [5 (2 methoxycarbonylamino 3 methyl butyryl) 5 aza spiro[2.4]hept 6 yl] 3H imidazol 4 yl} 9H fluoren 2 yl) 1H benzoimidazol 2 yl] 2 aza bicyclo[2.2.1]heptane 2 carbonyl} 2 methyl propyl) carbamic acid methyl ester (Compound I) were prepared and characterized in the solid state: (Compound (I)). Also provided are processes of manufacture and methods of using the amorphous and crystalline forms.



No. of Pages : 124 No. of Claims : 106

(22) Date of filing of Application :20/01/2015

(21) Application No.145/MUMNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : INTERACTIONS BETWEEN RAN BASED AND LEGACY WLAN MOBILITY

(51) International classification	:H04W48/08	(71)Name of Applicant :
(31) Priority Document No	:61/695246	1)QUALCOMM INCORPORATED
(32) Priority Date	:30/08/2012	Address of Applicant :Attn: International IP Administration 5775
(33) Name of priority country	:U.S.A.	Morehouse Drive San Diego CA 92121 1714 U.S.A.
(86) International Application No	:PCT/US2013/053826	(72)Name of Inventor :
Filing Date	:06/08/2013	1)HORN Gavin Bernard
(87) International Publication No	:WO 2014/035619	2)MEYLAN Arnaud
(61) Patent of Addition to Application Number	:NA	3)KAPOOR Rohit
Filing Date	:NA	4)GIARETTA Gerardo
(62) Divisional to Application Number	:NA	5)MALLADI Durga Prasad
Filing Date	:NA	6)CASACCIA Lorenzo

(57) Abstract :

Interactions between radio access network (RAN) based and legacy wireless local area network (WLAN) mobility is described in which a multi mode mobile device receives a management indication from a wide area wireless network (WW AN) to manage connectivity with the WLAN such as in discovery association or specific traffic offload for the WLAN. The mobile device obtains a status of its internal WLAN radio and determines whether to process the management indication based on the status. Data offloading is also described in which the mobile device receives an indication from the WW AN to offload data to the WLAN associated with the mobile device. In response the mobile device suspends application of a current offload policy which had been received from the core network based on the indication and transmits its data according to the indication.

No. of Pages : 51 No. of Claims : 80

(12) PATENT APPLICATION PUBLICATION		(21) Application No.204/MUM/2015 A
(19) INDIA		
(22) Date of filing of Application :20/01/2015		(43) Publication Date : 16/10/2015
(54) Title of the invention : DISPLAY DEVICE		
(51) International classification	:G02B17/08 G02B27/22	(71)Name of Applicant : 1)SONY CORPORATION
(31) Priority Document No	:2014- 025432	Address of Applicant :1-7-1 Konan Minato-ku Tokyo Japan Japan (72) Name of Inventor :
(32) Priority Date	:13/02/2014	1)TAKESHI YAMAMOTO
(33) Name of priority country	:Japan	2)KATSUYUKI NIKAIDO
(86) International Application No	:NA	3)HIROAKI NEMOTO
Filing Date	:NA	4)YUSUKE MORI
(87) International Publication No	: NA	5)MASAHIRO TAKAHASHI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A display device includes a panel module including a display cell; a front side exterior panel and a rear side exterior panel which sandwich the panel module therebetween from back and front; a driving circuit which drives the display cell; and a stand which is separately provided from the rear side exterior panel includes a speaker box inside which a first speaker is built-in and is located on a lower rear side of the rear side exterior panel when placing the panel module.

No. of Pages : 31 No. of Claims : 8

(22) Date of filing of Application :05/01/2015

(21) Application No.26/MUMNP/2015 A

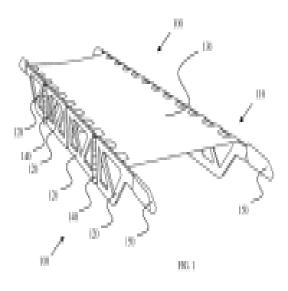
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : LIGHT WEIGHT MULTI USE COLLAPSIBLE STRETCHER

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:A61G1/013 :61/662395	(71)Name of Applicant : 1)TELESTRETCH LTD
(32) Priority Date	:21/06/2012	Address of Applicant :22 Yakinton St. 81501 Yavne Israel Israel
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/IL2013/050523	1)SION Dan
Filing Date	:18/06/2013	2)YINBAL Alazar C.
(87) International Publication No	:WO 2013/190552	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A new light multi use collapsible stretcher for carrying load comprising: two opposing longitudinal frames each comprising at least four frame plates; at least one bedding member disposed between the longitudinal frames; plurality of hinges; and at least one foldable and reversibly lockable supporting bar disposed between the two opposing longitudinal frames and pivotally connected to the two longitudinal frames by the hinges; the frame plates are pivotally connected to each other by the hinges in a series configuration; the hinges disposed between the frame plates in alternate rotation directions such that the frame plates and the bedding member configured for a reversible operation of unfolding and folding of the stretcher into an unfolded and folded position.



No. of Pages : 35 No. of Claims : 73

(22) Date of filing of Application :06/01/2015

(21) Application No.33/MUMNP/2015 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : INTERACTIONS OF TANGIBLE AND AUGMENTED REALITY OBJECTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:61/676246 :26/07/2012 :U.S.A. :PCT/US2013/048668 :28/06/2013 :WO 2014/018225 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM INCORPORATED <ul> <li>Address of Applicant :ATTN: International IP Administration 5775</li> </ul> </li> <li>Morehouse Drive San Diego California 92121 1714 U.S.A.</li> <li>(72)Name of Inventor : <ul> <li>1)KEATING Virginia Walker</li> <li>2)GERVAUTZ Michael</li> <li>3)NIELSEN Per O.</li> </ul> </li> </ul>
<ul><li>(61) Filing Date</li><li>(62) Divisional to Application Number Filing Date</li></ul>	:NA :NA :NA	

# (57) Abstract :

Method computer program product and apparatus for providing interactions of tangible and augmented reality objects are disclosed. In one embodiment a method for use with an augmented reality enabled device (ARD) comprises performing 3 dimensional tracking of one or more objects based at least in part on captured images of the one or more objects detecting a state change of at least one object of the one or more objects based at least in part on the captured images and causing an augmentation to be rendered in response to the state change of the at least one object where a type of the augmentation is based at least in part on the state change of the at least one object.

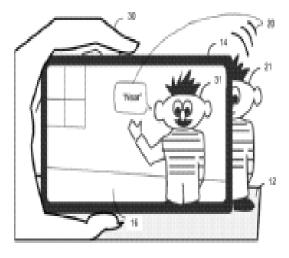


Figure 3

No. of Pages : 73 No. of Claims : 47

(22) Date of filing of Application :11/04/2014

#### (43) Publication Date : 16/10/2015

(54) Title of the invention : Manually Operated Sprayer cum Herbicide Applicator		
	:B05C17/03	(71)Name of Applicant :
(51) International classification	B05C17/02	1)G.H.Raisoni College of engineering
	B05C17/00	Address of Applicant :CRPF Gate No. 3Digdoh HillsHingna
(31) Priority Document No	:NA	RoadNagpur Maharashtra-440016 Maharashtra India
(32) Priority Date	:NA	2)G.H.R. Labs and Research Centre
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:PCT//	1)Ashish J. Shahu
Filing Date	:01/01/1900	2)Ashwin S. Rahate
(87) International Publication No	: NA	3)Gaurav A. Husukale
(61) Patent of Addition to Application Number	:NA	4)Sunny S. Sharma
Filing Date	:NA	5)Dr. P.V.Walke
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

ABSTRACT Automation for spraying (pesticide & herbicide) in the field of agriculture has increased the productive output of the farms. Owing to this labor problem has been solved in most parts of the world. But in India the agriculture field being small in size bringing automation in such places is a difficult task. Also the economic condition of majority of Indian farmers is not well to do. Thus the present invention of manually operated sprayer finds a wide application in such conditions. The tricycle sprayer has been developed combining three important operations done in the agricultural field that is spraying pesticide herbicide and urea which can be performed by this machine simultaneously or individually. The sprayer is design so that it can be used in most of the row crop plantation fields. The sprayer is cost effective and does not require any external power supply for the operation. Following invention is described in detail with the help of Figure 1 of sheet 1 shows the schematic construction front view of manually operated sprayer cum herbicide applicator Figure 2 of sheet 1 shows the schematic construction side view of manually operated sprayer cum herbicide applicator.

No. of Pages : 15 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :05/01/2015

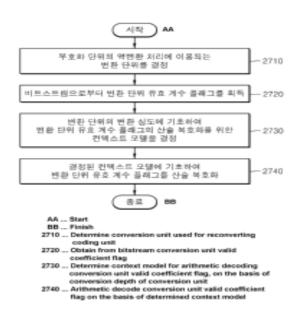
(43) Publication Date : 16/10/2015

# (54) Title of the invention : METHOD AND APPARATUS FOR ENTROPY CODING VIDEO AND METHOD AND APPARATUS FOR ENTROPY DECODING VIDEO

(51) International classification	:H04N7/26	(71)Name of Applicant :
(31) Priority Document No	:61/667117	1)SAMSUNG ELECTRONICS CO. LTD.
(32) Priority Date	:02/07/2012	Address of Applicant :129 Samsung ro Yeongtong gu Suwon si
(33) Name of priority country	:U.S.A.	Gyeonggi do 443 742 Republic of Korea
(86) International Application No	:PCT/KR2013/005870	(72)Name of Inventor :
Filing Date	:02/07/2013	1)KIM II koo
(87) International Publication No	:WO 2014/007524	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed is a method for entropy coding and decoding a video. The method for entropy decoding the video comprises: obtaining from a bitstream a conversion unit valid coefficient flag which indicates whether a conversion coefficient that is not 0 exists in a conversion unit; determining a context model for arithmetic decoding the conversion unit valid coefficient flag on the basis of conversion depth of the conversion unit; and arithmetic decoding the conversion unit valid coefficient flag on the basis of the context model that is determined.



No. of Pages : 71 No. of Claims : 15

(22) Date of filing of Application :05/01/2015

(21) Application No.23/MUMNP/2015 A

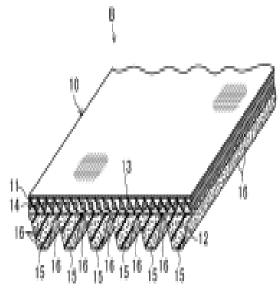
(43) Publication Date : 16/10/2015

# (54) Title of the invention : TRANSMISSION BELT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	1	<ul> <li>(71)Name of Applicant :</li> <li>1)BANDO CHEMICAL INDUSTRIES LTD. Address of Applicant :6 6 Minatojima Minamimachi 4 chome Chuo ku Kobe shi Hyogo 6500047 Japan</li> <li>(72)Name of Inventor :</li> <li>1)MATSUDA Hisashi</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

In this transmission belt (B) at least a part (11) which is a part of a belt body (10) and which is in contact with core wires (14) is made of a rubber composition obtained by subjecting a blend which comprises an ethylene a olefin elastomer as a rubber component and an a unsaturated fatty acid metal salt to crosslinking with sulfur.



No. of Pages : 50 No. of Claims : 12

(22) Date of filing of Application :06/01/2015

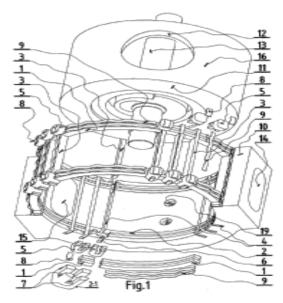
(43) Publication Date : 16/10/2015

# (54) Title of the invention : SEAL ASSEMBLY FOR ROTARY PISTON INTERNAL COMBUSTION ENGINE

(87) International Publication No       :WO 2013/189471         (61) Patent of Addition to Application       :NA         Number       :NA         Filing Date       :NA         (62) Divisional to Application Number       :NA	(61) Patent of Addition to Application Number Filing Date	:PCT/CZ2013/000077 :17/06/2013 :WO 2013/189471 :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>1)KNOB ENGINES S.R.O.</li> <li>Address of Applicant :Prumyslov; 1960 250 88 Celakovice Czech</li> </ol> </li> <li>(72)Name of Inventor : <ol> <li>1)KNOB V;clav</li> </ol> </li> </ul>
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(57) Abstract :

The invention relates to seal assembly for a rotary piston internal combustion engine comprising a rotating block (11) of a rotational shape with radially situated cylinders (12) with pistons (13) and an outer stationary case (10) with at least one intake port (14) and/or exhaust port (15). The outer surface (16) of the rotating block (11) is a rotational surface with a straight line or curved profile curve on which transverse and/or side sealing parts which are placed in the stationary case (10) sit. In circular side grooves (2) there is a side seal consisting of circular side sealing segments (1) that are always placed between neighbouring transverse sealing strips (3) which are placed in transverse grooves (2) across. In the place where the side sealing segments (1) and transverse sealing strips (3) meet there are joints (5) with notches (7) for inserting the side sealing segments (1) and transverse sealing strips (3)



No. of Pages : 15 No. of Claims : 7

(22) Date of filing of Application :01/01/2015

(43) Publication Date : 16/10/2015

# (54) Title of the invention : ANTIBODY AGAINST TRANSPORTER AND USE THEREOF

(31) Priority Document No:2012-1(32) Priority Date:08/06/2(33) Name of priority country:Japan(86) International Application No:PCT/JFFiling Date:10/06/2	2012 52013/065996	<ul> <li>(71)Name of Applicant :</li> <li>1)KINKI UNIVERSITY <ul> <li>Address of Applicant :3 4 1 Kowakae Higashiosaka shi Osaka</li> </ul> </li> <li>5778502 Japan <ul> <li>2)LINK GENOMICS INC.</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)MASUKO Takashi</li> <li>2)NIWA Shinichiro</li> <li>3)HAYASHI Hidemi</li> <li>4)OGURA Dai</li> <li>5)SHINDOU Takayuki</li> </ul> </li> </ul>
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(57) Abstract :

The present invention provides a prophylactic or therapeutic agent for various malignant tumors including solid tumors that are difficult to treat at the present day which comprises as an active ingredient a novel antibody that can bind to human LAT1/CD98 and can induce antibody dependent cytotoxicity in a cancer cell specific manner.

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

(22) Date of filing of Application :02/01/2015

(21) Application No.10/MUMNP/2015 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : A PROCESS FOR PRODUCING A TEA PRODUC	
(51) International classification:A23F3/06(71)(31) Priority Document No:12175943.51)U(32) Priority Date:11/07/2012A(33) Name of priority country:EPOLond(86) International Application No:PCT/EP2013/061991(72)Filing Date:11/06/20131)I(87) International Publication No:WO 2014/0090782)C	I)Name of Applicant : )UNILEVER PLC Address of Applicant :Unilever House 100 Victoria Embankment ndon Greater London EC4Y 0DY U.K. U.K.

(57) Abstract :

The present invention provides a process for producing a black leaf tea product the process comprising the steps of comminuting fresh tea leaf thereby producing dhool; and then fermenting the dhool whilst exposing it to radiation having a wavelength of from 0.3 to 100  $\mu$ m and an intensity of from 0.4 to 50 kW/m for 10 minutes to 3 hours at a temperature of 15 45 °C. The resulting black leaf tea product produces infusions high amounts of catechins and theaflavins.

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

(22) Date of filing of Application :02/01/2015

(21) Application No.13/MUMNP/2015 A

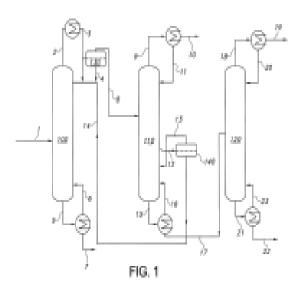
(43) Publication Date : 16/10/2015

# (54) Title of the invention : IMPROVED BUTANOL RECOVERY PROCESS

(51) International classification	:C07C29/80C07C31/12C07B63/00	(71)Name of Applicant :
(31) Priority Document No	:1210256.2	1)INVISTA TECHNOLOGIES S.A.R.L.
(32) Priority Date	:11/06/2012	Address of Applicant : Zweigniederlassung St. Gallen
(33) Name of priority country	:U.K.	Kreuzackerstrasse 9 CH 9000 St. Gallen Switzerland
(86) International Application No	:PCT/US2013/043987	(72)Name of Inventor :
Filing Date	:04/06/2013	1)AIRD Graham
(87) International Publication No	:WO 2013/188162	2)ANDERSON Colin
(61) Patent of Addition to Application	':NA	3)MARTYN Rakhesh
Number	:NA	4)WARD Philip N.
Filing Date	.NA	5)WELLS Ashley
(62) Divisional to Application Number	r:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides an improved process for recovering butanol from a mixture comprising water methanol propanol butanol and optionally other organic compounds. More particularly the invention relates to a process for recovering butanol as an essentially pure product from a mixture comprising water methanol propanol butanol and other organic compounds.



No. of Pages : 23 No. of Claims : 26

(22) Date of filing of Application :17/01/2015

(21) Application No.130/MUMNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : METHOD FOR THE SURFACE TREATMENT OF INORGANIC PARTICLES

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C09C1/36C09C3/06 :10 2012 012 931.9 :29/06/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)KRONOS INTERNATIONAL INC.</li> <li>Address of Applicant :Peschstr. 5 51373 Leverkusen Germany</li> </ul>
(33) Name of priority country	:Germany	(72)Name of Inventor :
(86) International Application No Filing Date	:PCT/EP2013/001827 :20/06/2013	1)JUERGENS Volker 2)BREYDER Alexander
(87) International Publication No	:WO 2014/000873	3)MERSCH Frank
(61) Patent of Addition to Application Number	:NA	4)BLUEMEL Siegfried
Filing Date	:NA	5)SCHMITT Volker
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method for the surface treatment of inorganic pigment particles with agglomerates of fine particle primary particles or individual crystals of inorganic compounds particularly of oxides or sulphates. The method is characterized in that initially the inorganic compounds are precipitated in the form of loosely structured agglomerates and/or individual crystals from an aqueous solution under suitable pH conditions in a separate container. The precipitate is then added to an aqueous suspension of inorganic pigment particles. The method is particularly suited to the surface treatment of titanium oxide pigments for achieving a high covering power and/or a high opacity when used in emulsion paints or in laminates.

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

(22) Date of filing of Application :05/01/2015

(21) Application No.36/MUM/2015 A

# (43) Publication Date : 16/10/2015

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	D01G19/26 :00276/14 :26/02/2014 :Switzerland :PCT// :01/01/1900 : NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)Maschinenfabrik Rieter AG Address of Applicant :Klosterstrasse 20 CH-8406 Winterthur Switzerland Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)PEULEN Jacques</li> <li>2)WILL Michael</li> </ul>
(62) Divisional to Application Number	:NA	
(62) Divisional to Application Number		

(57) Abstract :

Abstract The invention relates to a feed cylinder (12) for a nipper assembly (2) of a comber said feed cylinder being connected to an electromotive drive (M) via a gear stage (G). In order to obtain a simple and flexible drive for the feed cylinder which is also protected against contaminants it is proposed that the electromotive drive (M) and the gear stage (G) are installed inside the feed cylinder (12) which is designed as a hollow body (H). (Figure 3)

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

(22) Date of filing of Application :06/01/2015

(21) Application No.36/MUMNP/2015 A

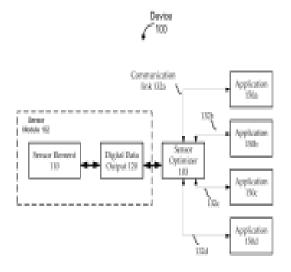
(43) Publication Date : 16/10/2015

# (54) Title of the invention : CONCURRENT DATA STREAMING USING VARIOUS PARAMETERS FROM THE SAME SENSOR

(51) Intermetional algoritization	:G06F3/00	(71)Nome of Applicant .
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:61/672677	1)QUALCOMM INCORPORATED
(32) Priority Date	:17/07/2012	Address of Applicant :ATTN: International IP Administration 5775
(33) Name of priority country	:U.S.A.	Morehouse Drive San Diego California 92121 1714 U.S.A.
(86) International Application No	:PCT/US2013/047295	(72)Name of Inventor :
Filing Date	:24/06/2013	1)CZOMPO Joseph
(87) International Publication No	:WO 2014/014618	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

Embodiments implement a device having a sensor optimizer where a source data stream from a sensor module may be used by the sensor optimizer to create multiple sensor data streams having different data stream parameters (e.g. data rate calibration scaling etcetera) from the source data stream. Such a sensor optimizer may intercept requests for sensor data from applications running on a mobile device processor and concurrently provide data streams having different data stream parameters to applications executed by the processor.



No. of Pages : 40 No. of Claims : 20

(22) Date of filing of Application :14/01/2015

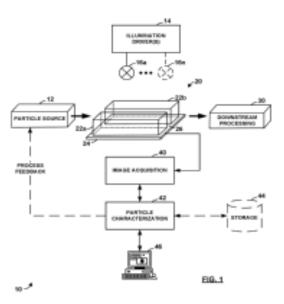
(43) Publication Date : 16/10/2015

(54) Title of the invention : HETEROGENEOUS FLUID SAMPLE CHARACTERIZATION

(51) International classification	:G01N15/14	(71)Name of Applicant :
(31) Priority Document No	:61/663527	1)MALVERN INSTRUMENTS LIMITED
(32) Priority Date	:22/06/2012	Address of Applicant : Enigma Business Park Grovewood Road
(33) Name of priority country	:U.S.A.	Malvern Worcestershire WR14 1XZ U.K.
(86) International Application No	:PCT/GB2013/051642	(72)Name of Inventor :
Filing Date	:21/06/2013	1)LEWIS E. Neil
(87) International Publication No	:WO 2013/190327	2)MCCAFFREY John
(61) Patent of Addition to Application Number	:NA	3)HABER Ken
Filing Date	:NA	4)BENNETT Peter
(62) Divisional to Application Number	:NA	5)SANDO Gerald
Filing Date	:NA	6)SADOWSKI Tomasz

# (57) Abstract :

The disclosure relates to methods and apparatus for detecting properties of heterogeneous samples including detecting properties of particles or fluid droplets in industrial processes. Embodiments disclosed include a heterogeneous fluid sample characterization method comprising: inserting a probe into a first of a plurality of heterogeneous fluid samples; drawing at least a first portion of the first sample into the probe and past a two dimensional array detector; illuminating the first portion of the first sample as it is drawn past the two dimensional array detector; inserting the probe into a second of the plurality of heterogeneous samples; drawing at least a first portion of the probe and past a two dimensional array detector; inserting the probe into a second of the plurality of heterogeneous samples; drawing at least a first portion of the second sample into the probe and past a two dimensional array detector; illuminating the first portion of the second sample into the probe and past a two dimensional array detector; illuminating the first portion of the second sample into the probe and past a two dimensional array detector; illuminating the first portion of the second sample into the probe and past a two dimensional array detector; illuminating the first portion of the second sample as it is drawn past the two dimensional array detector in the fluid; and acquiring at least a first image of the first portion of the second sample as it is drawn past the two dimensional array detector in the fluid.



No. of Pages : 42 No. of Claims : 29

(22) Date of filing of Application :15/01/2015

(21) Application No.116/MUMNP/2015 A

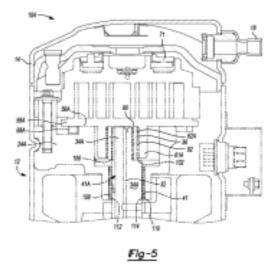
(43) Publication Date : 16/10/2015

(54) Title of the invention : ANTI WEAR COATINGS FOR COMPRESSOR WEAR SURFACES

(51) International classification	:C23C24/00C23C24/08	(71)Name of Applicant :
(31) Priority Document No	:61/674663	1)EMERSON CLIMATE TECHNOLOGIES INC.
(32) Priority Date	:23/07/2012	Address of Applicant :1675 W. Campbell Road P.O. Box 669 Sidney
(33) Name of priority country	:U.S.A.	Ohio 45365 0669 U.S.A.
(86) International Application No	:PCT/US2013/051678	(72)Name of Inventor :
Filing Date	:23/07/2013	1)HEIDECKER Matthew J.
(87) International Publication No	:WO 2014/018530	2)CAILLAT Jean Luc M.
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
T ming Date		

# (57) Abstract :

e.g. e.g. 2e.g. Anti wear surface coatings and methods for making them are provided. Such anti wear surface coatings are particularly suitable for use in a compressor such as a scroll or rotary compressor. A precursor powder material can be applied via spraying to a wear surface of a metal component of the scroll or rotary compressor. The precursor powder material comprises a powderized thermoplastic polymer (PEEK) a first lubricant particle (molybdenum disulfide (MoS)) and a second lubricant particle (polytetrafluoroethylene (PTFE)) which is heated to form a substantially uniform coating covering the underlying metal component having a thickness of less than or equal to about 0.006 inches (about 152 µm). The anti wear surface coating can be used on a face seal for a bellows type shaft seal for compressors.



No. of Pages : 90 No. of Claims : 45

(22) Date of filing of Application :10/04/2014

(21) Application No.1322/MUM/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : SUSPENSION SYSTEM FOR LIFT AXLE

	:B60G9/00	(71)Name of Applicant :
(51) International classification	B60G7/02	1)JAVID RASUL SAYYED
	B62D61n/12	
(31) Priority Document No	:NA	SAMRAJYA PANJARPOL BHOSARI PUNE-411039
(32) Priority Date	:NA	MAHARASHTRA INDIA. Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)JAVID RASUL SAYYED
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to lift axle suspension systems and more particularly to a lift axle suspension system having an air spring lift member comprising vehicle chassis shock absorber lift springs lift spring bracket pivot joint hanger pair of suspension beam external bumper U-Bolt & nut axle ride air bag wheel and pneumatic circuit for providing automated action for lowering and raising the lift axle

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No. of Pages : 19 No. of Claims : 9

(22) Date of filing of Application :06/01/2015

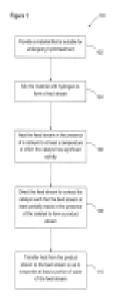
(43) Publication Date : 16/10/2015

# (54) Title of the invention : A METHOD OF HYDROTREATMENT AND A HYDROTREATMENT SYSTEM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C10G1/06C10G45/06C10G47/02 :2012903196 :25/07/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)CURTIN UNIVERSITY OF TECHNOLOGY         Address of Applicant :Kent Street Bentley Western Australia 6102     </li> </ul>
(33) Name of priority country	:Australia	Australia
(86) International Application No	:PCT/AU2013/000825	(72)Name of Inventor :
Filing Date	:24/07/2013	1)LI Chun Zhu
(87) International Publication No	:WO 2014/015380	2)GUNAWAN Richard
(61) Patent of Addition to Application Number	:NA	3)GHOLIZADEH Mortaza 4)CHAIWAT Weerawut
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method of hydrotreatment is provided. The method comprises the steps of providing a material that is suitable for undergoing hydrotreatment; mixing the material with a hydrogenation agent to form a feed stream; and heating the feed stream to break chemical bonds of the material in the presence of a catalyst. The feed stream is heated to at least a temperature at which the catalyst can provide activated hydrogen to react with the broken bonds within the material so as to minimise coke formed from the material. A system for conducting the method is also provided.



No. of Pages : 34 No. of Claims : 55

(22) Date of filing of Application :14/01/2015

(21) Application No.108/MUMNP/2015 A

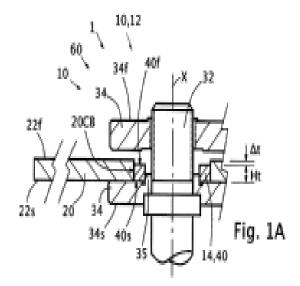
(43) Publication Date : 16/10/2015

# (54) Title of the invention : ENHANCED MATERIAL PROCESSING DEVICE AND METHOD

(51) International classification	:F16D7/02B27B5/32	(71)Name of Applicant :
(31) Priority Document No	:220671	1)REZNIK Shmuel
(32) Priority Date	:27/06/2012	Address of Applicant : P.O. Box 6064 61060 Tel Aviv Israel
(33) Name of priority country	:Israel	(72)Name of Inventor :
(86) International Application No	:PCT/IL2013/050533	1)REZNIK Shmuel
Filing Date	:23/06/2013	
(87) International Publication No	:WO 2014/002084	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

An enhanced material processing device and method are disclosed having a processing tool of substantially circular circumference which is operative with a power tool having a rotating spindle and jaws which clamp the processing tool. The enhanced material processing device has a central opening that is entered concentrically in the processing tool for receiving a clutch mechanism and a hub structure. The hub structure is associated with the clutch mechanism to form a slip clutch that is integrally mounted in the enhanced material processing device and is operative by application of an axial compression friction fit on the processing tool which slips relative to the rotating spindle when a threshold torque limit is reached. The clutch mechanism is preloaded in axial compression through a predetermined elastic strain distance At to provide a friction fit having a torque limit threshold which torque limit of the slip clutch is controllably pre adjustable.



No. of Pages : 70 No. of Claims : 19

(22) Date of filing of Application :20/01/2015

(21) Application No.147/MUMNP/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : METHODS SYSTEMS AND DEVICES FOR PRIORITIZING ACCESS TO WIRELESS NETWORKS

(51) International classification (31) Priority Document No	:H04W4/22H04M1/725 :13/585522	(71)Name of Applicant : 1)QUALCOMM INCORPORATED
(32) Priority Date	:14/08/2012	Address of Applicant :Attn: International IP Administration 5775
(33) Name of priority country	:U.S.A.	Morehouse Drive San Diego CA 92121 U.S.A.
(86) International Application No	:PCT/US2013/054556	(72)Name of Inventor :
Filing Date	:12/08/2013	1)GANESH Shriram
(87) International Publication No	:WO 2014/028395	2)FORUTANPOUR Babak
(61) Patent of Addition to Application Number	:NA	3)EVERITT Andrew J.
Filing Date	:NA	4)ARGADE Pramod V.
(62) Divisional to Application Number	:NA	5)JOYCE Gerald P. III
Filing Date	:NA	

(57) Abstract :

Methods devices and systems enable prioritizing mobile device access to a communication network during periods of reduced network availability such as during emergency situations. The mobile device may be configured to detect the existence of an emergency situation locally on the mobile device. Upon recognizing an emergency situation the mobile device may collect information from various components and/or sensors of the mobile device. Using the collected information the mobile device may compute a priority for accessing the communication network. Using the computed priority the mobile device may attempt to access the communication network in a manner that staggers access attempts among all mobile devices to reduce network congestion.

No. of Pages : 90 No. of Claims : 92

(22) Date of filing of Application :06/01/2015

(21) Application No.34/MUMNP/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : AMORPHOUS ALLOY SPACER FOR PERPENDICULAR MTJS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H01L43/08G11C11/15 :61/676487 :27/07/2012 :U.S.A. :PCT/US2013/052383 :26/07/2013 :WO 2014/018920 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM INCORPORATED Address of Applicant :Attn: International Ip Administration 5775 Morehouse Drive San Diego California 92121 U.S.A. U.S.A. (72)Name of Inventor : 1)LEE Kangho 2)CHEN Wei Chuan 3)KANG Seung H.</li></ul>
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# (57) Abstract :

A perpendicular magnetic tunnel junction (MTJ) apparatus includes a tunnel magnetoresistance (TMR) enhancement buffer layer deposited between the tunnel barrier layer and the reference layers. An amorphous alloy spacer is deposited between the TMR enhancement buffer layer and the reference layers to enhance TMR. The amorphous alloy spacer blocks template effects of face centered cubic (fcc) oriented pinned layers and provides strong coupling between the pinned layers and the TMR enhancement buffer layer to ensure full perpendicular magnetization.

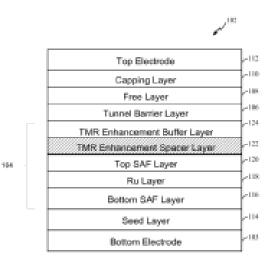


FIG. 1

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

(22) Date of filing of Application :06/01/2015

(21) Application No.39/MUMNP/2015 A

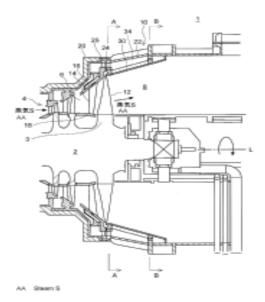
(43) Publication Date : 16/10/2015

# (54) Title of the invention : AXIAL FLOW EXHAUST TURBINE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:F01D25/32F01D9/02 :2012-155629	(71)Name of Applicant : 1)MITSUBISHI HITACHI POWER SYSTEMS LTD.
(32) Priority Date	:11/07/2012	Address of Applicant :3 1 Minatomirai 3 Chome Nishi ku Yokohama
(33) Name of priority country	:Japan	shi Kanagawa 2208401 Japan Japan
(86) International Application No	:PCT/JP2013/061361	(72)Name of Inventor :
Filing Date	:17/04/2013	1)NAGAO Hideto
(87) International Publication No	:WO 2014/010287	2)SHIRAI Hirokazu
(61) Patent of Addition to Application Number	:NA	3)OZAKI Taichi
Filing Date	:NA	4)TATSUMI Yasuyuki
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

To provide an axial flow exhaust turbine which enables smooth discharge from a steam path to a drain reduces the cost of part replacement and saves space. [Solution] The axial flow exhaust turbine (1) includes: a steam passage (6) in which steam passage rotator blades (12) and stator blades (14) have been arranged; an exhaust chamber (8) provided downstream from the steam passage (6) for discharging steam from the steam passage (6) in the axial direction of the turbine; a drive chamber (10) including the steam passage (6) and the steam chamber (8); and an interior barrier (30) provided on the inner periphery of the drive chamber (10) facing the steam chamber (8). A drain passage (34) is formed between the drive chamber (10) and the interior barrier (30) through which drainage recovered from the steam passage (6) is able to pass.



No. of Pages : 45 No. of Claims : 13

(22) Date of filing of Application :09/04/2014

(21) Application No.1312/MUM/2014 A

# (43) Publication Date : 16/10/2015

(54) Title of the invention : PHARMACEUTICAL CO	OMPOSITION	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)OLIVE HEALTHCARE <ul> <li>Address of Applicant :B/3 Godrej Coliseum Somaiya Hospital Road</li> </ul> </li> <li>Sion (East) Mumai 400 022 Maharashtra India. Maharashtra India</li> <li>(72)Name of Inventor : <ul> <li>1)SHAH Hardik</li> </ul> </li> </ul>

(57) Abstract :

ABSTRACT: This invention discloses pharmaceutical composition comprising a combination of D-Chiro Inositol; Myo-inositol and Vitamin D3 along with one or more pharmaceutical excipients for the management/ treatment of Polycystic Ovarian Syndrome (PCOS).

No. of Pages : 14 No. of Claims : 5

(22) Date of filing of Application :06/01/2015

(21) Application No.32/MUMNP/2015 A

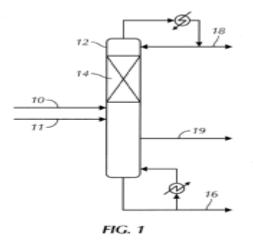
(43) Publication Date : 16/10/2015

# (54) Title of the invention : MORE ENERGY EFFICIENT C5 HYDROGENATION PROCESS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:13/547164 :12/07/2012 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)LUMMUS TECHNOLOGY INC. Address of Applicant :1515 Broad Street Bloomfield NJ 07003 3096</li> <li>U.S.A. U.S.A.</li> <li>(72)Name of Inventor :</li> </ul>
· · · · · ·		
	:12/07/2012	Address of Applicant :1515 Broad Street Bloomfield NJ 07003 3096
(33) Name of priority country	:U.S.A.	U.S.A. U.S.A.
(86) International Application No	:PCT/US2013/049925	(72)Name of Inventor :
Filing Date	:10/07/2013	1)XU Yongqiang
(87) International Publication No	:WO 2014/011772	2)PODREBARAC Gary G.
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

A process for the conversion of linear pentenes to propylene is disclosed. The process may include feeding hydrogen and a C5 olefm containing stream comprising linear pentenes dienes acetylenes and cyclopentene to a catalytic distillation reactor system. Concurrently in the catalytic distillation reactor system the acetylenes and dienes may be hydrogenated and the C5 olefin containing stream may be fractionated thereby recovering an overheads fraction comprising the linear pentenes a side draw fraction comprising the cyclopentene and a bottoms fraction. In some embodiments at least a portion of the overheads fraction may then be fed to a metathesis reactor for converting the linear pentenes to propylene.



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

(22) Date of filing of Application :10/12/2014

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : MOTOR FOR USE IN CEILING FAN AND CEILING FAN (51) International classification :H02K3/50 (71)Name of Applicant : :2013-**1)Nidec Corporation** (31) Priority Document No 259638 Address of Applicant :338 Tonoshiro-cho Kuze Minami-ku Kyoto (32) Priority Date :16/12/2013 601-8205 Japan Japan (33) Name of priority country (72)Name of Inventor : :Japan (86) International Application No :PCT// 1)Seiichi OYAMA Filing Date :01/01/1900 2)Nobumitsu CHIYOMATSU (87) International Publication No : NA 3)Kazuhiro ONO (61) Patent of Addition to Application Number 4)Yoshihito MATSUMOTO :NA Filing Date :NA 5)Shoji INOUE (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

TITLE: MOTOR FOR USE IN CEILING FAN AND CEILING FAN A motor for use in a ceiling fan includes a stationary portion a rotating portion and a bearing portion. The stationary portion includes a shaft arranged along a central axis extending in a vertical direction; an armature directly or indirectly fixed to the shaft; and a circuit board arranged to supply power to the armature. The rotating portion includes a rotor holder made up of an upper rotor holder member and a lower rotor holder member and arranged to cover the armature from above and below; and a rotor magnet or magnets arranged radially opposite the armature and arranged in an annular shape on an inner circumferential surface of the rotor holder. The bearing portion is arranged to support the rotating portion such that the rotating portion is rotatable with respect to the stationary portion and includes an upper bearing member arranged between the shaft and the upper rotor holder member on an axially upper side of the armature; and a lower bearing member arranged between the shaft and the lower rotor holder member on an axially lower side of the armature. The circuit board is positioned inside the rotor holder and is positioned on the axially upper side of the armature. Figure: Fig. 1.

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

(22) Date of filing of Application :11/12/2014

#### (43) Publication Date : 16/10/2015

(54) Title of the invention : Barrier Components for Animal Stalls		
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A01K1/00 :1322068.6 :13/12/2013 :U.K. :PCT// :01/01/1900 : NA :NA :NA :NA :NA	Ireland Ireland (72)Name of Inventor :

(57) Abstract :

A barrier component is disclosed for an animal stall comprising a curved elongated body member of elastomeric material such as rubber. This body member has first and second end sections each adapted for engagement within a respective hollow pipe. Together the two hollow pipes and the barrier component provide a stall divider when mounted on a suitable set of brackets poles or supports at the head end of a stall. The component has a collar formation at each end which defines an annular recess for receiving a hollow pipe end and shielding the end of the pipe from the animal.

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

(22) Date of filing of Application :03/01/2015

#### (21) Application No.17/MUMNP/2015 A

(43) Publication Date : 16/10/2015

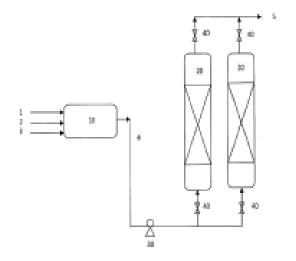
# (54) Title of the invention : IMPROVED ALKANOLYSIS PROCESS AND METHOD FOR SEPARATING CATALYST FROM PRODUCT MIXTURE AND APPARATUS THEREFOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:C08G65/00C08G65/30C08G65/32 :61/663015 :22/06/2012 :U.S.A. :PCT/US2013/045412 :12/06/2013	<ul> <li>(71)Name of Applicant :</li> <li>1)INVISTA TECHNOLOGIES S.A R.L. Address of Applicant :Zweigniederlassung St. Gallen Kreuzackerstrasse 9 CH 9000 St. Gallen Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)SUN Qun</li> </ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:WO 2013/191987 <sup>n</sup> :NA :NA :NA	2)DORAI Suri N.

# (57) Abstract :

The present invention provides an improved process and apparatus for alkanolysis of polytetramethylene ether diacetate to polytetraalkylene ether glycol in the presence of a C1 to C4 alkanol and an alkali or alkaline earth metal catalyst wherein the catalyst component of the product mixture comprising polytetraalkylene ether glycol alkanol and catalyst essentially free of the alkanol acetate by product e.g. methyl acetate is removed by contacting the mixture in the absence of added water with certain ion exchange resin at specified contact conditions. The invention further provides a highly efficient method for removing the catalyst component of a mixture comprising polytetraalkylene ether glycol alkanol and alkali or alkaline earth metal catalyst by contacting the mixture in the absence of added water with certain ion exchange resin at specified contact conditions.

# FIG. 1/1



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

(22) Date of filing of Application :05/01/2015

(21) Application No.24/MUMNP/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : BEVERAGE DISPENSING APPARATUS WITH A CARBONATION SYSTEM

# (57) Abstract :

Carbonated beverage dispenser comprising a carbonation chamber with a pressure lowering utility operative after carbonation of the water in said chamber for reducing the carbon dioxide pressure in the carbonation chamber. Carbonated water dispensing apparatus comprising a carbonation chamber with a circulation pump for circulating water between a circulation outlet and a circulation inlet Processes for providing carbonated beverages.

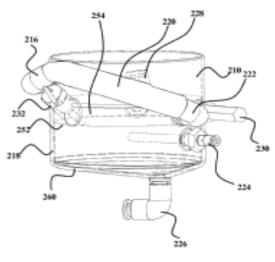


Fig. 12

No. of Pages : 44 No. of Claims : 49

(22) Date of filing of Application :05/01/2015

(21) Application No.25/MUMNP/2015 A

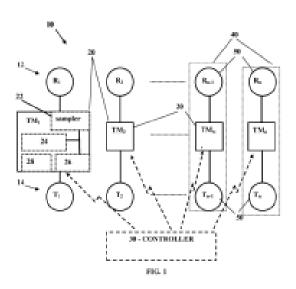
(43) Publication Date : 16/10/2015

# (54) Title of the invention : TRANSPONDER DEVICE

(51) International classification	:G01S13/75	(71)Name of Applicant :
(31) Priority Document No	:221162	1)ELTA SYSTEMS LTD.
(32) Priority Date	:29/07/2012	Address of Applicant :100 Yitzchak Hanassi Blvd. P.O.B. 330
(33) Name of priority country	:Israel	7710201 Ashdod Israel Israel
(86) International Application No	:PCT/IL2013/050619	(72)Name of Inventor :
Filing Date	:22/07/2013	1)FIREAIZEN Moshe
(87) International Publication No	:WO 2014/020592	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

A transponder system including first and second arrays of receiving and transmitting antenna elements arranged in spaced apart relationship with a predetermined spacing. The antenna elements of the first array are connected via respective transmission modules to respective antenna elements of the second array in accordance with their positions in the arrays thus forming receiving and transmitting pairs of antenna elements which are operable together to receive an input signal and transmit a collective output signal that is indicative of the received input signal. The transmission modules include: a sampler adapted for digitizing signals received by the receiving antenna element of the corresponding pair a memory connectable to the sampler for storing digital representation of the received signals and a signal generation module connectable to the memory and operable for generating from the digital representation a signal to be transmitted by the transmitting antenna element of the corresponding pair. The signal generation module is operable for introducing a predetermined temporal delay to the signal to be transmitted with respect to the received signal to thereby provide a predetermined angular shift between a waveform of the received input signal and a waveform of the collective output signal.



No. of Pages : 34 No. of Claims : 15

(22) Date of filing of Application :15/12/2014

#### (21) Application No.4033/MUM/2014 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : VALVE FOR FLUID CIRCULATION			
(51) International classification	:E21B43/00	(71)Name of Applicant :	
(31) Priority Document No	:FR 13/62929	1)COMMISSARIAT A L 'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES	
(32) Priority Date	:18/12/2013	Address of Applicant :25 rue Leblanc Btiment Le Ponant D 75015	
(33) Name of priority country	:France	Paris France France	
(86) International Application No	:PCT//	2)REG TECHNOLOGY	
Filing Date	:01/01/1900	(72)Name of Inventor :	
(87) International Publication No	: NA	1)TARAUD Pascal	
(61) Patent of Addition to Application Number	:NA	2)DELABERGERIE Arnaud	
Filing Date	:NA	3)GASTALDI Olivier	
(62) Divisional to Application Number	:NA	4)PENNEL Patrice	
Filing Date	:NA		

(57) Abstract :

Title. : Valve for fluid circulation The present invention relates to a valve (1) comprising: - a casing (100) forming an enclosure (101) wherein a fluid is intended to flow and having at least one inlet (102) and at least one outlet (103) for the fluid - a shutter (201) so configured as to cooperate with a seat (104) integral with the casing (100) to close at least the inlet (102) or at least the outlet (103) of the fluid - a device for controlling the position of the shutter (201) relative to the seat (104) wherein: - the control device comprises at least an inductor (113) and at least an armature (202) magnetically coupled and so configured that the inductor (113) drives the armature (202) in rotation so as to selectively cause the shutter (201) to move closer to or to move away from the seat (104) - the inductor (113) is stationary relative to the casing (100) - the armature (202) is positioned inside the enclosure (101) and is stationary relative to a screw (203) carrying the shutter (201) with the screw (203) being so configured as to cooperate with a nut (105) integral with the casing (100) so as to transform a rotation of the armature (202) into a translation of the shutter (201). Ref. Figure 1

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

(22) Date of filing of Application :15/01/2015

(21) Application No.115/MUMNP/2015 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : COKE CATCHER

(51) International classification	:C10G9/16C10G75/00	(71)Name of Applicant :
(31) Priority Document No	:13/554460	1)LUMMUS TECHNOLOGY INC.
(32) Priority Date	:20/07/2012	Address of Applicant :1515 Broad Street Bloomfield NJ 07003 3096
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2013/050013	(72)Name of Inventor :
Filing Date	:11/07/2013	1)DE HAAN Stephen
(87) International Publication No	:WO 2014/014731	2)TAM Peter Kin Lee
(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 provides for processes including a coke catcher that may be emptied during normal operation or steam standby thereby overcoming the deficiencies in the prior design as discussed above the coke catchers and process flows disclosed herein protecting the secondary transfer line exchanger from foulant while not limiting the time between heater cold shutdowns. The designs consider the impact of decoking options such as when decoking to a firebox as opposed to a decoking drum. Further flow and cost considerations are addressed in various embodiments; for example decoke valves are fairly expensive and process flows disclosed herein may provide for relocation of the decoke valve to facilitate coke catcher operations while not adding an expensive valve to the overall operating flow scheme.

No. of Pages : 28 No. of Claims : 22

(22) Date of filing of Application :13/01/2015

(21) Application No.123/MUM/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : TELEPHONE DIALING DEVICE AND METHOD FOR AUTOMATIC CONVERSION

<ul> <li>(51) International classification</li> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(36) International Application No</li> <li>(71)Name of Applicant :</li> <li>(72)Name of Inventor :</li> <li>(73)Name of Inventor :</li> <li>(74)Name of Inventor :</li> <li>(74)Name of Inventor :</li> <li>(74)Name of Inventor :</li> <li>(75)Name of Inventor :</li> <li>(72)Name of Inventor :</li> <li>(72)Name of Inventor :</li> <li>(73)Name of Inventor :</li> <li>(74)Name of Inventor :</li> <li>(74)Name of Inventor :</li> <li>(75)Name of Inventor :</li> <li>(74)Name of Addition to Application Number</li> <li>(74)Name of Inventor :</li> <li>(75)Name of Inventor :</li> <li>(76)Name of Addition to Application Number</li> <li>(76)Name of Inventor :</li> <li>(77)Name of Inventor :</li> <li>(78)Name of Inventor :</li> <li>(79)Name of Inventor :</li> <li>(71)Name of Inventor :</li> <li>(71)Name of Inventor :</li> <li>(72)Name of Inventor :</li> <li>(73)Name of Inventor :&lt;</li></ul>	<ul> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:13/01/2014 :China :PCT// :01/01/1900 : NA :NA :NA :NA	Address of Applicant :#03-01 Solaris No. 1 Fusionopolis Walk Singapore 138628 China (72)Name of Inventor : 1)YAJUN LI	
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### (57) Abstract :

ABSTRACT TITLE.: TELEPHONE DIALING DEVICE AND METHOD FOR AUTOMATIC CONVERSION A telephone dialing method for automatic conversion is disclosed. The telephone dialing method is used in a call device. The method includes: receiving a subscriber number after the call device makes a call or answers the call corresponding to the subscriber number successfully; performing a conversion process for converting the subscriber number into a complete number; and storing the complete number corresponding to the subscriber.

No. of Pages : 35 No. of Claims : 24

(19) INDIA

(22) Date of filing of Application :17/01/2015

#### (43) Publication Date : 16/10/2015

# (54) Title of the invention : COMPOUNDS WITH (1E 6E) 1 7 BIS (3 4 DIMETHOXYPHENYL) 4 4 DISSTITUTED HEPA 1 6 DIENE 3 5 DIONE STRUCTURAL SCAFFOLD THEIR BIOLOGICAL ACTIVITY AND USES THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K31/121A61P17/02A01N35/02 :13/525941 :18/06/2012 :U.S.A. :PCT/US2013/046138 :17/06/2013 :WO 2013/192091 :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>ANDROSCIENCE CORPORATION</li> <li>Address of Applicant :11175 Flintoke Ave. Suite F San Diego</li> </ol> </li> <li>(21)California 92121 U.S.A.</li> <li>(72)Name of Inventor : <ol> <li>SHIH Charles</li> <li>SHI Qian</li> <li>WANG Hui Kang</li> </ol> </li> </ul>
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(57) Abstract :

The present invention includes compounds pharmaceuticals and cosmetics having at least one (substituted phenyl) propenal moiety. The compounds and compositions of the present invention are useful in the treatment or prevention of medical conditions including androgen associated conditions androgen associated inflammation a wound (the compounds assist with wound healing) acne rheumatoid arthritis psoriasis rosacea and alopecia; Kennedy s disease (spinal and bulbar muscular atrophy or SBMA) polyglutamine mediated motor neuron degeneration; cancers such as prostate cancer bladder cancer breast cancer ovarian cancer hepatocellular (liver) cancer and pancreatic cancer; and other medical conditions described herein. Treatment of such medical conditions includes administering to an individual suffering from a medical condition describe herein a therapeutically effective amount of any of the disclosed compounds their derivatives or pharmaceutical compositions thereof.

#### FIG. 184. Summary of representative orospounds including 4.4-disobutinated 1,7-bia (3.4-dimethrotypheny()-hepta-1,6-disme-3,5-disme and 6,6-disobutinated 1,11-

hiqubrito	his(substituted plane)() underso (2.3.8,1%-tetrative 5.2-dione scattlada. $\hat{\Psi} = \hat{\Psi}$					
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					
-Comperund 10		81	R4	8.	•	formula
	3-4-004	34-004	9%-<]	D43	1	C24H2/G1 404.35
5	34-004	24'-004;	~~	EH <sub>3</sub>	3	C.,.HL,D.: 428.5161
	3,4,-0047	3'4'-OCH	-~O		1	C <sub>20</sub> H <sub>24</sub> O <sub>1</sub> 470.50
*	3/4/-OCH	3,4,-OCH <sup>7</sup>	~0	0%	1	CanHauOn 4892.68
5	3/4-OCH	3.4OCH <sup>1</sup>	~~	CHF		Cm.MaxOs 506.63
6	34-009	3.4-00#1	Dis NO(H)	CH	1	CalHaR01 128.82
,	314-008	3-4-004)	Or LHD-M	CH	1	C24H14HO1 485.56
	FIF-DOM:	3-47-001,	10494046	CH3	1	C <sub>10</sub> H <sub>10</sub> O <sub>6</sub> 486.57
	1.1.004	F47-004.	-70	H	1	C_H_M0, 529.57
13	14,004	3141-00H	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	н	1	C_HH_N_O/S 536.00
11	317-04	314-04,	-70	-043	1	C10W20MD2 517.68
32	34-00%	34-00%	~~~Q	045	1	C_3/R_3/M_(O)/S \$58.62
33	34-0CH	314-008	04-<		5	CarHaPOs 468.53
34	34-0004	314-0081	PH-◯	P	1	Ca.Na.FO4 082.54
15	3-4-00%	314-0041	- C	F	1	230Mar.FOx -096.57

No. of Pages : 100 No. of Claims : 25

(19) INDIA

(22) Date of filing of Application :15/12/2014

(21) Application No.4026/MUM/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : METHOD AND APPARATUS FOR HARVESTING THIGH MEAT AND OYSTER MEAT FROM A POULTRY THIGH

(51) International classification	:A22C21/00	(71)Name of Applicant :
(31) Priority Document No	:2012007	1)Meyn Food Processing Technology B.V.
(32) Priority Date	:20/12/2013	Address of Applicant :Westeinde 6 NL-1511 MA OOSTZAAN the
(33) Name of priority country	:Netherlands	Netherlands. Netherlands
(86) International Application No	:PCT//	(72)Name of Inventor :
Filing Date	:01/01/1900	1)Souli Ramzi
(87) International Publication No	: NA	2)Waasdijk Martinus Casper Melchior Balthasar
(61) Patent of Addition to Application Number	:NA	3)Van Hillo Eric Adriaan
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Method and apparatus for harvesting thigh meat and oyster meat from a poultry thigh comprising a thigh bone with a hip knuckle and a knee knuckle wherein the poultry thigh is held at a knuckle after which meat present on the thighbone below said knuckle is scraped from the thighbone away from said knuckle which meat is subsequently separated from the thighbone and collected for further handling wherein the poultry thigh is suspended from the hip knuckle and the oyster meat is disconnected from the hip knuckle prior to scraping the meat from the thighbone away from the hip knuckle.

No. of Pages : 25 No. of Claims : 18

(22) Date of filing of Application :15/01/2015

(21) Application No.112/MUMNP/2015 A

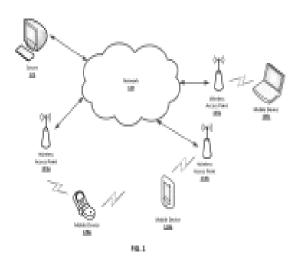
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : RELATIVE POSITIONING APPLICATIONS IN WIRELESS DEVICES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04W4/02H04W64/00 :61/674081 :20/07/2012 :U.S.A. :PCT/US2013/044463 :06/06/2013 :WO 2014/014572 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM INCORPORATED Address of Applicant :ATTN: International IP Administration 5775 Morehouse Drive San Diego California 92121 1714 U.S.A. </li> <li>(72)Name of Inventor : 1)DUA Praveen 2)GARIN Lionel Jacques</li></ul>
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# (57) Abstract :

Techniques for determining whether a mobile device crosses a boundary defined by a first wireless access point (WAP) and a second fixed location WAP are provided. A method according to these techniques includes receiving at a mobile device information defining a boundary defined by first and second fixed location WAPs the boundary being defined at least in part based on a ratio of a round trip time (RTT) between the mobile device and the first fixed location WAP to a ratio of a RTT between the mobile device and the second fixed location WAP determining the ratio of the RTT between the mobile device and the first fixed location WAP to a ratio of the RTT between the mobile device and the second fixed location WAP determining the ratio of the RTT between the mobile device and the second fixed location WAP determining the ratio of the RTT between the mobile device and the second fixed location WAP determining the ratio of the RTT between the mobile device and the second fixed location WAP.



No. of Pages : 80 No. of Claims : 72

(22) Date of filing of Application :18/12/2014

(21) Application No.4085/MUM/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : A SYNCHRONOUS RECTIFIER AND A METHOD FOR CONTROLLING IT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:13198734.9 :20/12/2013 :EPO :NA :NA : NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)Efore Oyj <ul> <li>Address of Applicant :Linnoitustie 4 B FI- 02600 Espoo Finland</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)SYV,,RANTA Lauri</li> </ul> </li> </ul>
Filing Date	:NA	

(57) Abstract :

A synchronous rectifier comprises at least one rectification switch (102 103) and a control circuit (104) for controlling the at least one rectification switch to allow unidirectional current flow only. The control circuit comprises at least one current sensor (105 106) for sensing an alternating component of current of the at least one rectification switch and at least one driver circuit (107 108) for controlling the at least one rectification switch at least partly on the basis of the direction of the sensed alternating component. Using the alternating component for controlling the rectification switch removes a need to compare the current to any non-zero constant or adjustable threshold value and thus challenges related to defining the threshold value can be avoided. The synchronous rectifier can be for example a part of a resonant converter. Fig. 1a

No. of Pages : 24 No. of Claims : 18

(22) Date of filing of Application :19/12/2014

(21) Application No.4089/MUM/2014 A

#### (43) Publication Date : 16/10/2015

# (54) Title of the invention : SECONDARY BATTERY

(51) International classification (31) Priority Document No	:H01M4/505 H01M4/525 H01M4/131 :10-2014-0017125	(71)Name of Applicant : 1)SAMSUNG SDI CO. LTD.
(32) Priority Date	:14/02/2014	Address of Applicant :150-20 Gongse-ro Giheung-gu Yongin-si
(33) Name of priority country	:Republic of Korea	Gyeonggi-do Republic of Korea Republic of Korea
(86) International Application No	:PCT//	(72)Name of Inventor :
Filing Date	:01/01/1900	1)Minhyung GUEN
(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 :

A secondary battery includes a first electrode plate and a second electrode plate a case accommodating the electrode plates and a cap assembly to seal the case. The cap assembly has a short-circuit hole and a cap plate electrically connected to the first electrode plate. The battery also includes an inversion plate spaced from a short-circuit plate. The inversion plate is positioned in or over the short-circuit hole and bent toward the case. The short-circuit plate is electrically connected to the second electrode plate. When an internal pressure of the battery exceeds a value the inversion plate moves to contact the short-circuit plate which in turn breaks a fuse. A groove is included in the gap assembly adjacent the short-circuit plate. When the inversion plate moves under excessive pressure an edge portion of the gap assembly deforms away from the short-circuit plate.

No. of Pages : 28 No. of Claims : 12

(22) Date of filing of Application :19/12/2014

(21) Application No.4090/MUM/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : CAD-BASED INITIAL SURFACE GEOMETRY CORRECTION

(51) International classification	:G01M9/08 G06G'//5'/	(71)Name of Applicant :
(31) Priority Document No	:14/138706	1)DASSAULT SYSTEMES SIMULIA CORP.
(32) Priority Date	:23/12/2013	Address of Applicant :166 Valley Street Providence Rhode Island
(33) Name of priority country	:U.S.A.	02909 United States of America U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)HARKNESS Harrington Hunter
(87) International Publication No	: NA	2)COJOCARU Dan
(61) Patent of Addition to Application Number	:NA	3)REECE Daniel Alexander
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

The present invention relates to a method and system for performing a finite element simulation. Embodiments of the present invention determine accurate contact simulations. A method according to the principles of the present invention begins by obtaining a first finite element model and a first computer aided design (CAD) model that the first finite element model represents. Next a finite element simulation is performed using at least the first finite element model. According to an embodiment of the present invention performing the finite element simulation comprises determining one or more variations between the first finite element model and the first CAD model.

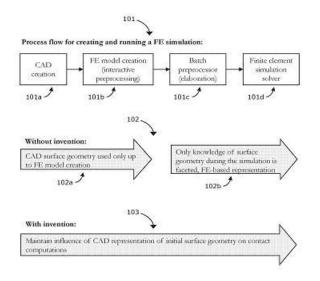


Figure: 1

No. of Pages : 37 No. of Claims : 19

(22) Date of filing of Application :26/12/2014

(21) Application No.2634/MUMNP/2014 A

(43) Publication Date : 16/10/2015

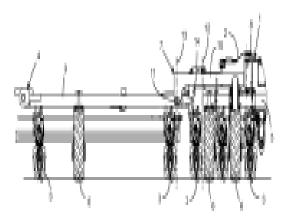
# (54) Title of the invention : AGRICULTURAL MACHINE HAVING AN IMPROVED CHASSIS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(36) International Application No</li> <li>(71) Name of Applicant</li> <li>(1255913</li> <li>(11) KUHN S.A.</li> <li>(12) Address of Applicant</li> <li>(11) KUHN S.A.</li> <li>(12) Address of Applicant</li> <li>(12) France</li> <li>(13) KUHN S.A.</li> <li>(14) Address of Applicant</li> <li>(14) France</li> <li>(14) France</li> <li>(15) France</li> <li>(15) France</li> <li>(15) France</li> <li>(16) Patent of Addition to Application Number</li> <li>(16) France</li> <li>(16) Patent of Application Number</li> <li>(16) France</li> <li>(16) Patent of Application Number</li> <li>(17) Patent of Application Number</li> <li>(18) Patent of Application Number</li> <li>(19) Patent of Application Number</li> <li>(10) Patent of Patent</li></ul>	
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# (57) Abstract :

The present invention relates to an agricultural machine (1) for working the soil or for sowing seeds having a trailed chassis (2) and working members (3) distributed on a transverse beam (4) comprising a central section (5) provided with wheels (6) and two side sections (7) extending on either side of said central section (5) when working each end of said central section (5) bearing on the ground via a wheel (6). The agricultural machine is characterised in that each side section (7) consists of an extension arm (9) and an intermediate arm (10) said extension arm (9) being linked to said intermediate arm (10) by means of a horizontal hinge (11) having a substantially horizontal axis and directed in the work direction of advance and in that each intermediate arm (10) is connected to said chassis (2) via a vertical hinge (8) and supports at least one working member (3).

10.2



No. of Pages : 14 No. of Claims : 13

(22) Date of filing of Application :26/12/2014

#### (21) Application No.2635/MUMNP/2014 A

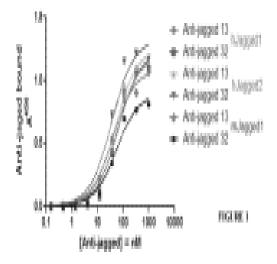
(43) Publication Date : 16/10/2015

# (54) Title of the invention : ANTI JAGGED 1/JAGGED 2 CROSS REACTIVE ANTIBODIES ACTIVATABLE ANTI JAGGED ANTIBODIES AND METHODS OF USE THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to Application</li> <li>Number Filing Date</li> </ul>	:A61K39/395A61P35/00C07K16/18 :61/663307 :22/06/2012 :U.S.A. :PCT/US2013/047109 :21/06/2013 :WO 2013/192550 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)CYTOMX THERAPEUTICS INC. Address of Applicant :343 Oyster Point Blvd Suite 100 South San Francisco CA 94080 U.S.A. U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)WEST James William</li> <li>2)SAGERT Jason Gary</li> <li>3)BESSETTE Paul H.</li> <li>4)LOWMAN Henry Bernard</li> <li>5)STAGLIANO Nancy E.</li> <li>6)VASILJEVA Olga</li> <li>7)MENENDEZ Elizabeth Edna Mary</li> </ul>
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(57) Abstract :

This invention relates generally to the generation of antibodies monoclonal antibodies including fully human monoclonal antibodies that recognize Jagged 1 and/or Jagged 2 to antibodies . monoclonal antibodies including fully human antibodies that recognize Jagged 1 and/or Jagged 2 and nucleic acid molecules that encode monoclonal antibodies including fully human cross reactive antibodies that recognize both Jagged 1 and Jagged 2 and to methods of making the anti Jagged antibodies and methods of using the anti Jagged antibodies as therapeutics prophylactics and diagnostics. The invention also relates generally to activatable antibodies that include a masking moiety (MM) a cleavable moiety (CM) and an antibody (AB) that specifically bind to Jagged 1 and Jagged 2 and to methods of making and using these activatable anti Jagged antibodies in a variety of therapeutic diagnostic and prophylactic indications.



No. of Pages : 331 No. of Claims : 48

(22) Date of filing of Application :30/12/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : IMAGE CAPTURING OPTICAL LENS ASSEMBLY IMAGE CAPTURING DEVICE AND MOBILE TERMINAL

(51) International classificationG00(31) Priority Document No:100(32) Priority Date:311(33) Name of priority country:Ta(86) International Application No:PCFiling Date:011(87) International Publication No: NA(61) Patent of Addition to Application Number:NAFiling Date:NAFiling Date:NA	A A
(62) Divisional to Application Number :NA Filing Date :NA	

#### (57) Abstract :

ABSTRACT TITLE.: IMAGE CAPTURING OPTICAL LENS ASSEMBLY IMAGE CAPTURING DEVICE AND MOBILE TERMINAL An image capturing optical lens assembly includes in order from an object side to an image side a first lens element a second lens element a third lens element a fourth lens element and a fifth lens element. The first lens element with refractive power has an object-side surface being convex in a paraxial region thereof. The second lens element with positive refractive power has an object-side surface being convex in a paraxial region thereof. The third lens element has negative refractive power. The fourth lens element with positive refractive power has an image-side surface being convex in a paraxial region thereof. The fifth lens element with positive refractive power has an object-side surface being convex in a paraxial region thereof and an image-side surface being concave in a paraxial region thereof. The image capturing optical lens assembly has a total of five lens elements with refractive power.

No. of Pages : 75 No. of Claims : 22

(22) Date of filing of Application :14/01/2015

(21) Application No.100/MUMNP/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : A METHOD FOR PURIFICATION OF WATER USING CAPACITIVE DEIONISATION

(51) International classification	:C02F1/469	(71)Name of Applicant :
(31) Priority Document No	:12177445.9	1)UNILEVER PLC
(32) Priority Date	:23/07/2012	Address of Applicant :a company registered in England and Wales
(33) Name of priority country	:EPO	under company no. 41424 of Unilever House 100 Victoria Embankment
(86) International Application No	:PCT/EP2013/062008	London Greater London EC4Y 0DY U.K.
Filing Date	:11/06/2013	(72)Name of Inventor :
(87) International Publication No	:WO 2014/016038	1)GHOSH Somnath
(61) Patent of Addition to Application Number	:NA	2)RAJANARAYANA Venkataraghavan
Filing Date	:NA	3)RAMANUJAPURAM Anirudh Anandampillai
(62) Divisional to Application Number	:NA	4)ALENCHERRY Tinto Johnichan
Filing Date	:NA	

(57) Abstract :

Disclosed is a method of deionising water by capacitive deionisation comprising repeating series of cycles during which water is passed through at least one pair of oppositely charged electrodes each cycle comprising: (i) a charging step; (ii) a first short circuiting step; (iii) a discharging step consisting of reversal of the applied charge on the electrodes; and (iv) a second short circuiting step wherein polarity applied to each electrode in each pair of oppositely charged electrodes during sid charging step of a given series of repeating cycles is reversed during the charging step of the immediately following series of repeating cycles and wherein each said series comprises 10 to 20 cycles.

No. of Pages : 22 No. of Claims : 14

(22) Date of filing of Application :19/01/2015

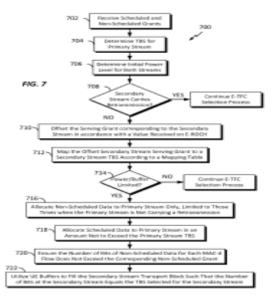
#### (43) Publication Date : 16/10/2015

#### (54) Title of the invention : SYSTEM AND METHOD FOR UPLINK MULTIPLE INPUT MULTIPLE OUTPUT TRANSMISSION

(51) International classification	:H04B7/04H04B7/06H04W72/14	
(31) Priority Document No	:61/679544	1)QUALCOMM INCORPORATED
(32) Priority Date	:03/08/2012	Address of Applicant : Attn: International IP Administration 5775
(33) Name of priority country	:U.S.A.	Morehouse Drive San Diego California 92121 U.S.A.
(86) International Application No	:PCT/US2013/053465	(72)Name of Inventor :
Filing Date	:02/08/2013	1)AKKARAKARAN Sony J.
(87) International Publication No	:WO 2014/022796	2)BHARADWAJ Arjun
(61) Patent of Addition to Application	.NT 4	3)SAMBHWANI Sharad Deepak
Number	:NA	4)AGARWAL Ravi
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Methods and apparatuses are provided for uplink MIMO transmissions in a wireless communication system. In some particular aspects an E TFC selection process for selecting a transport format combination for an uplink MIMO transmission may take certain steps in the case that a UE is power or buffer limited. For example in a rank 2 transmission non scheduled data is allocated only to the primary stream. If the allocated non scheduled data is less than the determined primary stream transport block size scheduled data is allocated to the primary stream in an amount not to exceed the determined primary stream TBS. Finally scheduled data is allocated to the secondary stream in an amount not to exceed the determined secondary stream TBS.



No. of Pages : 57 No. of Claims : 32

#### (19) INDIA

(22) Date of filing of Application :27/12/2014

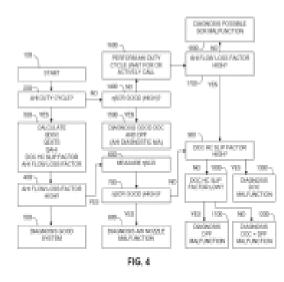
#### (43) Publication Date : 16/10/2015

# (54) Title of the invention : METHOD FOR MONITORING COMPONENTS IN AN EXHAUST AFTER TREATMENT SYSTEM AN EXHAUST AFTER TREATMENT SYSTEM AND A CONTROLLER FOR AN EXHAUST AFTER TREATMENT SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:F01N3/00 :NA :NA :NA :PCT/US2012/042115 :13/06/2012 :WO 2013/187888 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)MACK TRUCKS INC. Address of Applicant :7900 National Service Road Greensboro NC 27409 U.S.A. U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)DONG Qunlong</li> <li>2)TAI Chun</li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	

(57) Abstract :

Components in an exhaust after treatment system (EATS) for a diesel engine are monitored by measuring heat released (QDOC) across a diesel oxidation catalyst (DOC) and heat released (QEATS) across the DOC and a diesel particulate fi lter (DPF) during an A Hi injection event by calculating heat input from AHI fuel (QAHI) during performance of the AH I injection event with a fully functioning AHI nozzle and by measuring NOX conversion efficiency (nSCR) from NOX to N2 by a selective catalytic reduction system (SCR) at a condition where a SCR is sensitive to feeding gas compositions while AHI is not in use Malfunctioning components are identified using these measurements and calculations.



No. of Pages : 23 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :27/12/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : USE OF NEW ADDITIVES IN A PAINT FORMULATION COMPRISING TITANIUM DIOXIDE PARTICLES AS AGENTS IMPROVING THE OPACITY OF THE DRY OR DRYING FILM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C09D4/06C09D133/14C09D133/02 :1256547 :06/07/2012 :France :PCT/FR2013/051355 :11/06/2013 :WO 2014/006291 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)COATEX Address of Applicant :35 rue Amp"re Z.I. Lyon Nord F 69730 Genay France France</li> <li>(72)Name of Inventor :</li> <li>1)BOUZID Mehdi</li> <li>2)SUAU Jean Marc</li> <li>3)RUHLMANN Denis</li> <li>4)GUERRET Olivier</li> </ul>
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(57) Abstract :

The present invention concerns the use of new additives in a paint formulation comprising titanium dioxide particles (Ti0) as agents improving the opacity of the dry or drying film and paint formulations comprising such agents.

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

(22) Date of filing of Application :07/01/2015

(21) Application No.43/MUMNP/2015 A

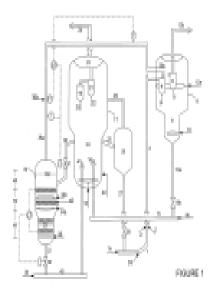
(43) Publication Date : 16/10/2015

### (54) Title of the invention : FLUID CATALYTIC CRACKING PROCESS AND APPARATUS FOR MAXIMIZING LIGHT OLEFINS OR MIDDLE DISTILLATES AND LIGHT OLEFINS

(51) International classification	:C10G35/10C10G35/06	(71)Name of Applicant :
(31) Priority Document No	:13/547807	1)LUMMUS TECHNOLOGY INC.
(32) Priority Date	:12/07/2012	Address of Applicant :1515 Broad Street Bloomfield Street NJ 07003
(33) Name of priority country	:U.S.A.	3096 U.S.A. U.S.A.
(86) International Application No	:PCT/US2013/049906	(72)Name of Inventor :
Filing Date	:10/07/2013	1)MARRI Rama Rao
(87) International Publication No	:WO 2014/011759	2)SONI Dalip Singh
(61) Patent of Addition to Application Number	:NA	3)KUMAR Pramod
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A fluid catalytic cracking apparatus and process is disclosed providing for efficient conversion of heavy hydrocarbon feeds to light olefins aromatics and gasoline. A countercurrent flow reactor operating in bubbling or turbulent fluidization regimes is integrated with a fluid catalytic cracking riser reactor. A heavy hydrocarbon feed is catalytically cracked to naphtha and light olefins in the riser reactor a co current flow reactor. To enhance the yields and selectivity to light olefins cracked hydrocarbon products from the riser reactor such as C4 and naphtha range hydrocarbons may be recycled and processed in the countercurrent flow reactor. The integration of the countercurrent flow reactor with a conventional FCC riser reactor and catalyst regeneration system may overcome heat balance issues commonly associated with two stage cracking processes may substantially increase the overall conversion and light olefins yield and/or may increases the capability to process heavier feedstocks.



No. of Pages : 25 No. of Claims : 29

(22) Date of filing of Application :14/01/2015

(21) Application No.106/MUMNP/2015 A

### (43) Publication Date : 16/10/2015

(54) Title of the invention : PROCESS		
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K8/34A61K8/41A61Q5/12 :12178168.6 :27/07/2012 :EPO :PCT/EP2013/065647 :24/07/2013 :WO 2014/016353 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)UNILEVER PLC Address of Applicant :Unilever House 100 Victoria Embankment London Greater London EC4Y 0DY U.K.</li> <li>(72)Name of Inventor :</li> <li>1)CASUGBO Christia</li> <li>2)FLANAGAN Mark</li> <li>3)HOUGH John Alan</li> <li>4)NAUGHTON John Michael</li> <li>5)SERRIDGE David</li> </ul>

(57) Abstract :

+12341234130Process for making a conditioning gel phase comprising: forming a comelt in a first vessel comprising fatty alcohol and cationic component and 0 15% wt. comelt water independently adding the comelt and water to a mixing vessel mixing wherein the temperature of the mixture of the comelt and the water is maintained at from 56 65°C preferably from 58 62°C more preferably 60°C when in the mixing vessel wherein the fatty alcohol comprises from 8 to 22 carbons wherein the cationic component comprises from 0 70% cationic component cationic surfactants have the formula NRRRR more preferably from 30 60% wt. cationic surfactant component and wherein R R R and R are independently (C to C) alkyl or benzyl.

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

(22) Date of filing of Application :02/01/2015

(21) Application No.12/MUMNP/2015 A

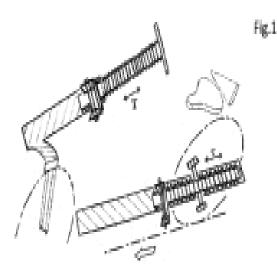
(43) Publication Date : 16/10/2015

(54) Title of the invention : HAND AND FOOT MOTOR DRIVEN VEHICLE PARTICULAR BICYCLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B62M11/00B62M1/12B62M1/30 :1039659 :07/06/2012 :Netherlands :PCT/NL2013/000032 :07/06/2013 :WO 2013/191536 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)CHINIFOROUSHAN Mahmoud Address of Applicant :Boswachtersveld 704 NL 7327JR Apeldoorn Netherlands</li> <li>(72)Name of Inventor :</li> <li>1)CHINIFOROUSHAN Mahmoud</li> </ul>
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(57) Abstract :

Vehicle (1) and (2) with both hand drives (100 1 to 4) and foot drives (200 1 to 4) which must be moved forward and backward by hand drive members (4A 4A) or foot drive members (5B 5B) either independently or jointly to drive the vehicle in which during both the forward movement and backward movement an operation stroke is made which powers at least one wheel (13) of the vehicle. The fifth coupling assembly allows the rider to use different ways to drive the vehicle. In motors 2.W the drive shaft is driven either by the reciprocating movement of the pistons in which the movement is effectuated by the ignition of fuels and the operation of the second coupling assembly or by the reciprocating movement of the driving rod 201B and the rotation of the gear that is a freewheel mechanism.



No. of Pages : 34 No. of Claims : 12

(22) Date of filing of Application :05/01/2015

(21) Application No.18/MUMNP/2015 A

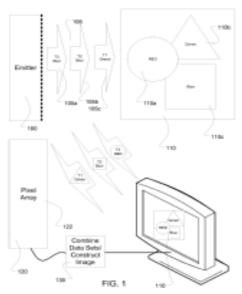
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : CONTINUOUS VIDEO IN A LIGHT DEFICIENT ENVIRONMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:A61B1/00A61B1/06A61B1/04 :61/676289 :26/07/2012 :U.S.A. :PCT/US2013/052406 :26/07/2013 :WO 2014/018936	<ul> <li>(71)Name of Applicant :</li> <li>1)OLIVE MEDICAL CORPORATION <ul> <li>Address of Applicant :2302 South Presidents Drive Suite D Salt Lake</li> <li>City UT 84120 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)BLANQUART Laurent</li> <li>2)TALBERT Joshua D.</li> </ul> </li> </ul>
<ul> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA	3)WICHERN Donald M. 4)RICHARDSON John 5)HENLEY Jeremiah D.

(57) Abstract :

The present disclosure extends to methods systems and computer program products for producing an image in light deficient environments and associated structures methods and features is disclosed and described. The features of the system may include controlling a light source through duration intensity or both; pulsing a component controlled light source during the blanking period; maximizing the blanking period to allow optimum light; and maintaining color balance.



No. of Pages : 30 No. of Claims : 10

(22) Date of filing of Application :05/01/2015

(21) Application No.19/MUMNP/2015 A

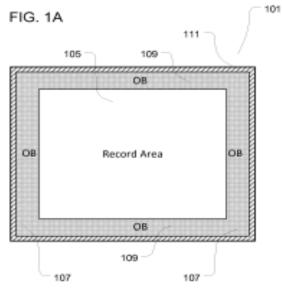
(43) Publication Date : 16/10/2015

(54) Title of the invention : CAMERA SYSTEM WITH MINIMAL AREA MONOLITHIC CMOS IMAGE SENSOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:G06F 9/38 :61/676289 :26/07/2012 :U.S.A. :PCT/US2013/052423 :26/07/2013	<ul> <li>(71)Name of Applicant :</li> <li>1)OLIVE MEDICAL CORPORATION Address of Applicant :2302 South Presidents Drive Suite D Salt Lake City UT 84120 U.S.A. (72)Name of Inventor : 1)BLANQUART Laurent</li></ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:WO 2014/018948 :NA :NA :NA :NA	2)RICHARDSON John

(57) Abstract :

The disclosure extends to methods systems and computer program products for digitally imaging with area limited image sensors such as within a lumen of an endoscope.



No. of Pages : 30 No. of Claims : 10

(22) Date of filing of Application :07/01/2015

(21) Application No.44/MUMNP/2015 A

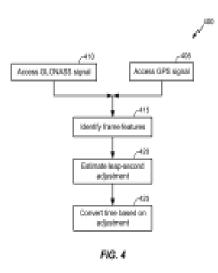
(43) Publication Date : 16/10/2015

(54) Title of the invention : UTC TIME OFFSET ESTIMATION AT A GNSS RECEIVER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:G01S19/33 :13/557015 :24/07/2012 :U.S.A. :PCT/US2013/049862 :10/07/2013	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM INCORPORATED Address of Applicant :ATTN: International IP Administration 5775 Morehouse Drive San Diego California 92121 1714 U.S.A. (72)Name of Inventor : 1)LIN Tong</li></ul>
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	:WO 2014/018260 :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

Techniques are provided to quickly estimate a temporal shift of a GPS signal based on an analysis of a GLONASS signal. The shift can be a result of applied leap second adjustments affecting GLONASS signals but not GPS signals. By identifying this shift GPS and GLONASS signals can be considered together in order to estimate locations. The temporal shift can be determined e.g. by estimating a separation between a GPS signal frame feature (e.g. frame onset) and a GLONASS signal frame feature (e.g. frame onset) or identifying coinciding frame features (e.g. a GPS signal subframe coinciding with a GLONASS signal string number). The techniques allow the temporal shift to be estimated based on an analysis of just a portion of the GPS signal and GLONASS signal frames such that a speed of location estimations can be improved.



No. of Pages : 35 No. of Claims : 42

(22) Date of filing of Application :17/12/2014

(21) Application No.4060/MUM/2014 A

(43) Publication Date : 16/10/2015

### (54) Title of the invention : UNDERGROUND TACTICAL OPTIMIZATION

(51) International classification	:G06N5/00	(71)Name of Applicant :
(31) Priority Document No	:14/134392	1)DASSAULT SYSTEMES CANADA SOFTWARE INC.
(32) Priority Date	:19/12/2013	Address of Applicant :1600-925 West Georgia Street Vancouver
(33) Name of priority country	:U.S.A.	British Colombia V6C 3L2 Canada Canada
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)CARTER Steve
(87) International Publication No	: NA	2)SNAPE-JENKINSON Chris
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		•

(57) Abstract :

In an embodiment a computer-implemented method includes in a processor slicing an ore-body solid model stored in a memory into a plurality of horizontal and a plurality of vertical pieces and deriving from the sliced horizontal pieces and the vertical pieces information corresponding to stope blocks and pillar blocks of the ore-body stope blocks and pillar blocks corresponding to particular pieces of the plurality of horizontal pieces and the plurality of vertical pieces.

No. of Pages : 31 No. of Claims : 19

(22) Date of filing of Application :17/12/2014

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : ELECTRONIC CAM CONTROL SYSTEM AND METHOD OF PROGRAMMABLE LOGIC CONTROLLER

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:G05B19/06 :201310707182.1 :20/12/2013 :China	Address of Applicant :No.11 Zhonghan Road Zhongcun Village Panyu District Guangzhou city Guangdong Province China. China
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)LIN Yingzong
(87) International Publication No	: NA	2)ZHAO Huiqiu
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

The invention discloses an electronic cam control system of a programmable logic controller. The electronic cam control system comprises an encoder and a controller wherein the controller comprises an FPGA signal processing module and an output circuit. The FPGA signal processing module comprises an encoder position decoding unit a CPU and a signal comparing unit. The encoder position decoding unit acquires current position data of a mechanical shaft and calculates current revolving speed of the mechanical shaft after decoding encoded position data signals transmitted by the encoder. The CPU receives the current revolving speed of the mechanical shaft and calculates ON/OFF parameters of actual action according to the current revolving speed of the mechanical shaft and user-defined ON/OFF parameters and entrance angle compensation parameters. The signal comparing unit compares the ON/OFF parameters of the actual action outputted by the CPU with the current position data of the mechanical shaft outputted by the encoder position decoding unit. If the current position data of the mechanical shaft are within a range of the ON/OFF parameters of the actual action the signal comparing unit transmits on/off signals to corresponding action components to control the action of the action components. Figure 1 is the representative figure.

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

(22) Date of filing of Application :18/12/2014

(21) Application No.4067/MUM/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : DIMINISHED REALITY

(51) International classification	:G01N33/84 A61K31/166	(71)Name of Applicant :
(31) Priority Document No	:14/141243	1)DASSAULT SYSTEMES
(32) Priority Date	:26/12/2013	Address of Applicant :10 rue Marcel Dassault Tower 2 Floor 5 Velizy
(33) Name of priority country	:U.S.A.	Villacoublay Cedex 78140 France France
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)GRIMAUD Jean-Jacques
(87) International Publication No	: NA	
(61) Patent of Addition to Application Numbe	r :NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A computer tool generates user-defined diminished reality images of a subject environment from source images. The diminished reality images display less real-world objects in the subject environment than that displayed in the source images. A 3D model of the subject environment in diminished reality is formed from the diminished reality images. The 3D model supports augmented reality user interaction with views of the subject environment diminished in reality and tidied/decluttered of user-selected objects.

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

(22) Date of filing of Application :07/01/2015

(21) Application No.46/MUMNP/2015 A

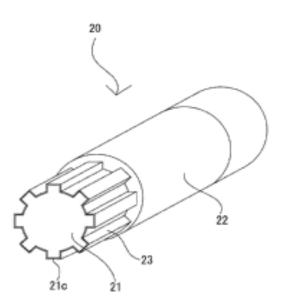
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : STRUCTURAL BODY FOR SHAFT MALE MEMBER AND FEMALE MEMBER

(51) International classification	:F16D3/06F16D1/02	(71)Name of Applicant :
(31) Priority Document No	:2012-137828	1)NITTA CORPORATION
(32) Priority Date	:19/06/2012	Address of Applicant :4 26 Sakuragawa 4 chome Naniwa ku Osaka
(33) Name of priority country	:Japan	shi Osaka 5560022 Japan
(86) International Application No	:PCT/JP2013/066556	(72)Name of Inventor :
Filing Date	:17/06/2013	1)AOKI Kenichiro
(87) International Publication No	:WO 2013/191123	2)KIYOHARA Yoshiharu
(61) Patent of Addition to Application Number	:NA	3)ISHIZAKI Yoji
Filing Date	:NA	4)NAKAI Katsuyuki
(62) Divisional to Application Number	:NA	5)AOKI Yasuhiro
Filing Date	:NA	6)KOJIMA Toshihiko

#### (57) Abstract :

Provided is a structural body for a shaft a male member and a female member in which sliding resistance along the axial direction can be reduced while suppressing unpleasant rattling noise. A structural body (20) for a shaft which is mounted on a shaft capable of transmitting power and which is constituted by engaging a male member (21) and a female member (22) to each other so as to be capable of sliding in the axial direction wherein the male member (21) is provided with an outer peripheral part (21c) having a plurality of teeth and the female member (22) is provided with an inner peripheral part (22a) having a plurality of female teeth it being possible to insert the outer peripheral part (21c) of the male member (21) into the inner peripheral part (22a) of the female member (22) fiber (23) impregnated with a rubber or a resin being present between the outer peripheral part (21c) of the male member (21) and the inner peripheral part (22a) of the female member (22).



No. of Pages : 25 No. of Claims : 5

(22) Date of filing of Application :05/01/2015

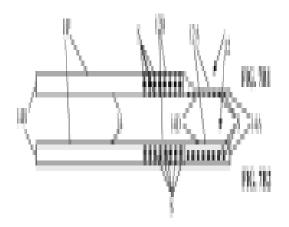
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : MEDICAL DEVICE FOR USE IN TISSUE CHARACTERIZATION AND TREATMENT

(31) Priority Document No:13/547950:1)DUNE MEDICAL DEVICES LTD.(32) Priority Date:12/07/2012Address of Applicant :20 Alon Hatavor Street Industrial Park South(33) Name of priority country:U.S.A.3088900 Caesarea Israel Israel(86) International Application No Filing Date:PCT/IB2013/055661(72)Name of Inventor :(87) International Publication No Filing Date:WO 2014/0098932)COHEN Gil(87) International rublication No Filing Date:NA3)GELTNER Iddo(61) Patent of Addition to Filing Date:NA4)AHARONOWITZ Gal(62) Divisional to Application Number Filing Date:NA:NANumber Filing Date:NA:NANumber Filing Date:NA:NA(62) Divisional to Application:NA:NANumber Filing Date:NA:NANumber Filing Date:NA:NA(62) Divisional to Application:NANumber Filing Date:NA(62) Divisional to Application:NANumber Filing Date:NA(63) Patent Gi:NA(64) Patent Gi:NA(75) Patent Gi:NA(76) Patent Gi:NA(77) Patent Gi:NA(78) Patent Gi:NA(79) Patent Gi:NA(70) Patent Gi:NA(71) Patent Gi:NA(72) Patent Gi:NA(73) Patent Gi:NA(74) Patent Gi:NA(75) Patent Gi:NA(76) Patent Gi:NA <tr< th=""><th>Pri Pri Na Int Fi Int Pa lica Fi Di nbe</th><th><ul> <li>) Priority Date</li> <li>) Name of priority country</li> <li>) International Application No Filing Date</li> <li>) International Publication No</li> <li>) Patent of Addition to plication Number Filing Date</li> <li>) Divisional to Application nber</li> </ul></th><th>:12/07/2012 :U.S.A. :PCT/IB2013/055661 :10/07/2013 :WO 2014/009893 :NA :NA :NA</th><th><ul> <li>1)DUNE MEDICAL DEVICES LTD. Address of Applicant :20 Alon Hatavor Street Industrial Park South 3088900 Caesarea Israel Israel (72)Name of Inventor :</li> <li>1)HASHIMSHONY Dan</li> <li>2)COHEN Gil</li> <li>3)GELTNER Iddo</li> </ul></th><th></th></tr<>	Pri Pri Na Int Fi Int Pa lica Fi Di nbe	<ul> <li>) Priority Date</li> <li>) Name of priority country</li> <li>) International Application No Filing Date</li> <li>) International Publication No</li> <li>) Patent of Addition to plication Number Filing Date</li> <li>) Divisional to Application nber</li> </ul>	:12/07/2012 :U.S.A. :PCT/IB2013/055661 :10/07/2013 :WO 2014/009893 :NA :NA :NA	<ul> <li>1)DUNE MEDICAL DEVICES LTD. Address of Applicant :20 Alon Hatavor Street Industrial Park South 3088900 Caesarea Israel Israel (72)Name of Inventor :</li> <li>1)HASHIMSHONY Dan</li> <li>2)COHEN Gil</li> <li>3)GELTNER Iddo</li> </ul>	
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(57) Abstract :

A medical device is presented for use in tissue characterization and treatment. The device comprises a tissue characterization probe comprising an elongated carrier carrying an array of tissue characterization sensors each configured and operable for generates a tissue characterization signal corresponding to a tissue mass at a location of the respective sensor said tissue characterization sensors being arranged in a spaced apart relationship along at least a longitudinal axis of said carrier within at least a distal portion of the carrier with known distances between them such that during progression of the probe through a tissue mass each of the sensors generates tissue characterization signals from successive locations thereof within the tissue mass thereby enabling to locate and optionally also determine a dimension of a tissue specimen inside said tissue mass based on the characterization signals from the sensors in the array. The elongated carrier has two integral portions including said distal portion and a hollow portion extending between a proximal end of the carrier and said distal portion. The carrier is configured for passing a treatment tool through the hollow portion thereof and enabling at least a part of the treatment tool to project from the hollow portion and extend along the distal portion. The device thereby enables consequent treatment of a tissue specimen by a treatment tool when mounted on the carrier. Several movement mechanisms are described for enabling relative movement between the carrier and a treatment tool passing therethrough.



No. of Pages : 55 No. of Claims : 31

(22) Date of filing of Application :30/12/2014

(43) Publication Date : 16/10/2015

### (54) Title of the invention : OPTICAL LENS ASSEMBLY IMAGE CAPTURING DEVICE AND MOBILE TERMINAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> </ul>	G02B13/00 :102149080	<ul> <li>(71)Name of Applicant :</li> <li>1)LARGAN PRECISION CO. LTD. Address of Applicant :No.11 Jingke Rd. Nantun Dist. Taichung City 408 Taiwan R.O.C. Taiwan</li> <li>(72)Name of Inventor :</li> </ul>
(86) International Application No	:NA	1)Po-Lun HSU
Filing Date	:NA	2)Lin-Yao LIAO
(87) International Publication No	: NA	3)Cheng-Chen LIN
(61) Patent of Addition to Application Number	:NA	4)Wei-Yu CHEN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An optical lens assembly includes in order from an object side to an image side a first lens element a second lens element a third lens element a fourth lens element. The first lens element with positive refractive power has an object-side surface being convex in a paraxial region thereof. The second lens element has negative refractive power. The third lens element has refractive power. The fourth lens element with negative refractive power has an object-side surface being convex in a paraxial region thereof. The fifth lens element with positive refractive power has an object-side surface being convex in a paraxial region thereof. The fifth lens element with positive refractive power has an object-side surface being convex in a paraxial region thereof. The fifth lens element with positive refractive power has an object-side surface being convex in a paraxial region thereof. The fifth lens element with positive refractive power has an object-side surface being convex in a paraxial region thereof.

No. of Pages : 95 No. of Claims : 22

(22) Date of filing of Application :07/01/2015

(43) Publication Date : 16/10/2015

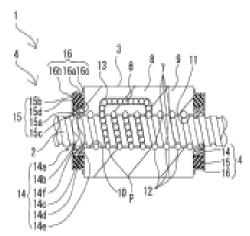
### (54) Title of the invention : BALL SCREW SEAL MATERIAL AND SEAL STRUCTURE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:P10H25/24F10H25/22F10J15/18 :2012-141417 :22/06/2012 :Japan :PCT/JP2013/066662 :18/06/2013 :WO 2013/191157 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)NITTA CORPORATION <ul> <li>Address of Applicant :4 26 Sakuragawa 4 chome Naniwa ku Osaka</li> </ul> </li> <li>shi Osaka 5560022 Japan</li> <li>(72)Name of Inventor : <ul> <li>1)ISHIZAKI Yoji</li> <li>2)KIYOHARA Yoshiharu</li> <li>3)AOKI Kenichiro</li> <li>4)NAKAI Katsuyuki</li> <li>5)AOKI Yasuhiro</li> <li>6)KOJIMA Toshihiko</li> <li>7)YAMADA Mitsuhiro</li> <li>8)TAIRA Takuya</li> </ul> </li> </ul>
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#### (57) Abstract :

Provided is a ball screw that effectively minimizes the intrusion of fine foreign matter between a male member and a female member and that is capable of reducing sliding resistance when fitting the male member to a seal material. The ball screw is provided with: a male member (2) on which a male groove (7) is formed; a female member (3) having an inner peripheral surface on which a female groove (12) is formed and having formed therein a circulation path (13) through which balls can circulate; and a seal material (4) that is provided to one end and/or the other end of the female member in the axial direction thereof. The male member and the female member are fitted together in the axial direction thereof. The seal material (4) is provided with: a fiber layer (14) that is made from fibers impregnated with rubber or a resin and that comprises a hole (14a) that is capable of communicating with the inner peripheral surface of the female member (3) and a fitting surface (14b) on which a convex section (14c) is formed that is capable of fitting together with the male groove (7); and a resin layer (15) that is layered on a side (14d) said side (14d) being the side that is opposite the side of the fiber layer (14) on which the hole (14a) is formed.

 $(\mathbb{R}^{2})$ 



No. of Pages : 57 No. of Claims : 12

(22) Date of filing of Application :15/01/2015

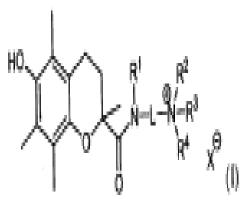
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : CHROMANYL DERIVATIVES FOR TREATING MITOCHONDRIAL DISEASE

(31) Priority Document No:12176.(32) Priority Date:12/07/.(33) Name of priority country:EPO(86) International Application No:PCT/NFiling Date:12/07/.	2012 IL2013/050528	<ul> <li>(71)Name of Applicant : <ul> <li>1)KHONDRION IP B.V.</li> <li>Address of Applicant :van Heemstraweg 49 e NL 6641 AA</li> </ul> </li> <li>Beuningen (Gld) Netherlands <ul> <li>(72)Name of Inventor : <ul> <li>1)BLAAUW Richard Hendrik</li> </ul> </li> <li>2)LEENDERS Ruben Gerardus George</li> <li>3)STERK Geert Jan</li> <li>4)HERMKENS Pedro Harold Han</li> </ul> </li> </ul>
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(57) Abstract :

The invention relates to novel compounds that are useful for modulating mitochondrial morphology and/or expression of OXPHOS enzymes and/or cellular ROS. The compounds are derivatives of TroloxrM wherein the carboxylic acid moiety is replaced by an amide moiety and wherein the nitrogen atom of the amide moiety is connected via a linker to a cationic nitrogen atom. The compounds of the invention are formulated into pharmaceutical or cosmetic compositions. The invention further relates to methods wherein the compounds of the invention are used for treating or preventing mitochondrial disorders conditions associated with mitochondrial dysfunction including adverse drug effects and/or neoplastic diseases. The invention also relates to cosmetic methods for treating or delaying further aging of the skin and veterinary applications.



No. of Pages : 85 No. of Claims : 20

#### (19) INDIA

(22) Date of filing of Application :19/01/2015

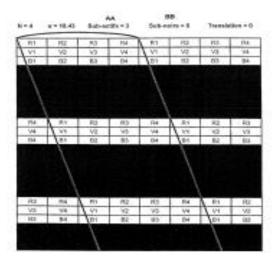
(43) Publication Date : 16/10/2015

### (54) Title of the invention : METHOD FOR AUTOSTEREOSCOPIC DISPLAY ON A SCREEN HAVING THE LARGER SIZE THEREOF IN THE VERTICAL DIRECTION

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:H04N13/04G02B27/22 :12 57189 :24/07/2012 :France	<ul> <li>(71)Name of Applicant :</li> <li>1)ALIOSCOPY</li> <li>Address of Applicant :3 rue de lEst F 75020 Paris France</li> <li>(72)Name of Inventor :</li> </ul>
(86) International Application No	:PCT/IB2013/056032	1)ALLIO Pierre
Filing Date	:23/07/2013	2)MARCELLIER Gilles
(87) International Publication No	:WO 2014/016768	3)HIRSCH Nicolas
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method for autostereoscopic display of an autostereoscopic image having N viewpoints having a rank of 1 to N in rising order from right to left on a screen having pixels arranged in rows and columns said pixels consisting of a plurality of sub pixels of different colours (R G B) characterised in that said screen is arranged with the larger size thereof in the vertical direction such that the sub pixels that make up each pixel are arranged in said vertical direction and in that each column of the screen is filled with blocks of at least three sub pixels corresponding to an assembly of sub pixels of one of the viewpoints of the image to be displayed separated by blocks of one or more switched off or darkened sub pixels.



AA Sub-scher 3 55 Sub-black = 5 Figure 2

No. of Pages : 57 No. of Claims : 5

(22) Date of filing of Application :05/01/2015

(21) Application No.22/MUMNP/2015 A

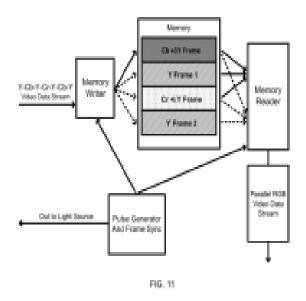
(43) Publication Date : 16/10/2015

### (54) Title of the invention : YCBCR PULSED ILLUMINATION SCHEME IN A LIGHT DEFICIENT ENVIRONMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:H04N 5/235 :61/676289 :26/07/2012 :U.S.A. :PCT/US2013/052426 :26/07/2013 :WO 2014/018951	<ul> <li>(71)Name of Applicant :</li> <li>1)OLIVE MEDICAL CORPORATION <ul> <li>Address of Applicant :2302 South Presidents Drive Suite D Salt Lake</li> <li>City UT 84120 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)BLANQUART Laurent</li> <li>2)RICHARDSON John</li> </ul> </li> </ul>
e		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The disclosure extends to methods systems and computer program products for producing an image in light deficient environments with luminance and chrominance emitted from a controlled light source.



No. of Pages : 30 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :08/01/2015

(21) Application No.50/MUMNP/2015 A

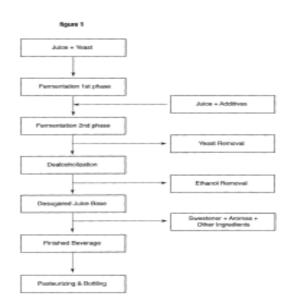
(43) Publication Date : 16/10/2015

(54) Title of the invention : REDUCED CALORIE BEVERAGE OR FOOD PRODUCT AND PROCESS AND APPARATUS FOR MAKING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:A23L1/29A23L2/38C12H3/00 :2783847 :24/07/2012 :Canada :PCT/CA2013/000659 :23/07/2013 :WO 2014/015417	<ul> <li>(71)Name of Applicant :</li> <li>1)HOBSCURE INTELLECTUAL SYSTEMS &amp; SERVICES INC. Address of Applicant :247 Dubreuil Street Sainte Anne de Bellevue Qubec H9X 4A6 Canada</li> <li>(72)Name of Inventor :</li> <li>1)HOBSON Luc</li> </ul>
<ul> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA	

(57) Abstract :

The invention relates to a process for preparing a reduced calorie beverage or food product employing fermentation of a plant derived juice or liquid and removing the ethanol therefrom. The process involves first converting at least some of the sugar in a plant derived juice or liquid by fermenting it with yeast to produce a fermentation product containing ethanol and subsequently removing at least some of the ethanol from the fermentation product at a temperature of less than fifty five degrees Celsius to produce the reduced calorie beverage or food product. The alcohol removal step is performed at temperatures of less than seventy five degrees in order to reduce the impact upon flavour and nutritional properties relative to conventional alcohol removal at or near boiling temperatures. This invention also relates to an apparatus for performing the process for preparing a reduced calorie beverage or food product and to the reduced calorie juices and juice products created using this process and apparatus.



No. of Pages : 26 No. of Claims : 41

(22) Date of filing of Application :19/01/2015

(21) Application No.135/MUMNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : ANTIDRIFT COMPOSITION

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:A01N25/24A01N25/30A01N57/20 :13/558513 :26/07/2012 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)MOMENTIVE PERFORMANCE MATERIALS INC. Address of Applicant :22 Corporate Woods Boulevard 4th Floor Albany NY 12211 U.S.A.</li> </ul>
(86) International Application No Filing Date	:PCT/US2012/054782 :12/09/2012	(72)Name of Inventor : 1)BROWN William L.
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:WO 2014/018070 <sup>on</sup> :NA :NA	2)POLICELLO George A.
(62) Divisional to Application Number Filing Date	:NA :NA	

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(57) Abstract :

A solid water soluble fast dissolving antidrift composition includes a urea based complex forming component (i) complexed with an antidrift component (ii) the antidrift composition optionally further including an adjuvant component (iii).

No. of Pages : 47 No. of Claims : 21

(22) Date of filing of Application :24/12/2014

(21) Application No.2629/MUMNP/2014 A

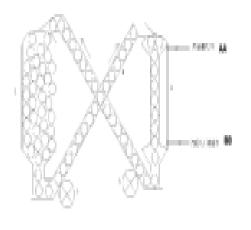
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : SPHERICAL FUEL REACTOR

(51) International classification	:G21C15/28G21C3/16G21C1/07	(71)Name of Applicant :
(31) Priority Document No	:2012102595807	1)LI Zhengwei
(32) Priority Date	:25/07/2012	Address of Applicant :No.1 Honglilu Huangpu District Guangzhou
(33) Name of priority country	:China	Guangdong 510730 China China
(86) International Application No	:PCT/CN2013/078569	(72)Name of Inventor :
Filing Date	:01/07/2013	1)LI Zhengwei
(87) International Publication No	:WO 2014/015740	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed is a spherical fuel reactor wherein a nuclear fuel element and a coolant are encapsulated in a spherical solid and the spherical solid is circulation flowed between a reactor container (1) and a steam generator (2) by two sets of mechanical transmission systems (4) to achieve the purpose of delivering the heat produced by the reactor to the steam generator. The reactor has features such as high intrinsic security a high outlet temperature parameter and ability to fully use the nuclear fuel and can be used in the fields of power generation hydrogen production heat supply and coal liquefaction and gasification etc.



11,198,1

AN HIGH TEMPERATURE OFENERATION BE STEAK TURING PACTORY BUADING WATER SUPPLY

No. of Pages : 10 No. of Claims : 5

(22) Date of filing of Application :26/12/2014

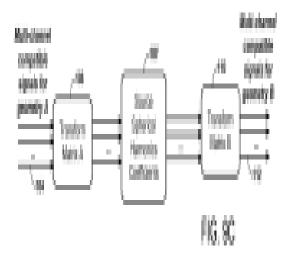
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : LOUDSPEAKER POSITION COMPENSATION WITH 3D AUDIO HIERARCHICAL CODING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04S7/00H04S3/00 :61/672280 :16/07/2012 :U.S.A. :PCT/US2013/050648 :16/07/2013 :WO 2014/014891 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM INCORPORATED Address of Applicant :Attn: International IP Administration 5775 Morehouse Drive San Diego California 92121 1714 U.S.A. U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)SEN Dipanjan</li> </ul>
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#### (57) Abstract :

In general techniques are described for compensating for loudspeaker positions using hierarchical three dimensional (3D) audio coding. An apparatus comprising one or more processors may perform the techniques. The processors may be configured to perform a first transform that is based on a spherical wave model on a first set of audio channel information for a first geometry of speakers to generate a first hierarchical set of elements that describes a sound field. The processors may further be configured to perform a second transform in a frequency domain on the first hierarchical set of elements to generate a second set of audio channel information for a second geometry of speakers.



No. of Pages : 75 No. of Claims : 149

(22) Date of filing of Application :06/01/2015

(21) Application No.31/MUMNP/2015 A

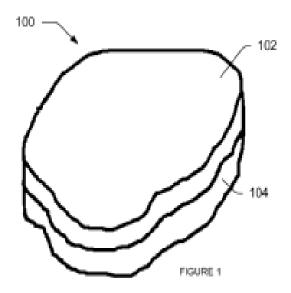
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : NANOSTRUCTURE WITH FUNCTIONALLY DIFFERENT SIDES

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> </ul>	:B82B1/00B82B3/00B82Y40/00 :61/654089 :01/06/2012 :U.S.A. :PCT/US2013/043805 :01/06/2013 :WO 2013/181648 :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>1)RUDENKO Pavlo</li> <li>Address of Applicant :Pavlo Rudenko 1008 S East St Colfax</li> </ol> </li> <li>Washington 99111 1504 U.S.A.</li> <li>(72)Name of Inventor : <ol> <li>1)RUDENKO Pavlo</li> </ol> </li> </ul>
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(57) Abstract :

Disclosed is a substantially flat nanosheet with a first side and a second side the first side having substantially different properties than the second side. The nanosheet may have self assembly properties under certain anisotropic conditions such as phase separation boundaries sheer stresses friction temperature gradients viscosity density and/or combinations therein.



No. of Pages : 14 No. of Claims : 29

(22) Date of filing of Application :08/01/2015

(21) Application No.52/MUMNP/2015 A

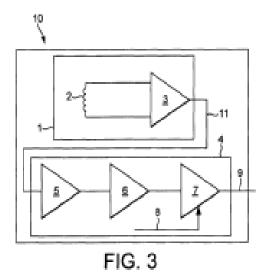
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : MAGNETOMETER FOR MEDICAL USE

(51) International classification	:A61B5/04G01R33/34	(71)Name of Applicant :
(31) Priority Document No	:1211704.0	1)UNIVERSITY OF LEEDS
(32) Priority Date	:02/07/2012	Address of Applicant :Leeds LS2 9JT U.K. U.K.
(33) Name of priority country	:U.K.	(72)Name of Inventor :
(86) International Application No	:PCT/GB2013/051740	1)VARCOE Benjamin Thomas Hornsby
Filing Date	:01/07/2013	
(87) International Publication No	:WO 2014/006387	
(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 medical magnetometer (10) comprising one or more induction coils (2) for detecting a time varying magnetic field of a region of a subject s body such as the heart. Each coil has a maximum outer diameter of 4 to 7 cm and a configuration such that the ratio of the coil s length to its outer diameter is at least 0.5 and the ratio of the coil s inner diameter to its outer diameter is 0.5 or less. Each induction coil (2) is coupled to a respective detection circuit comprising a low impedance pre ampiifier (3) a low pass filter (5) a notch filter (6) to remove line noise and an averaging element (7). Each detection circuit produces an output signal (9) for use to analyse the time varying magnetic field of the region of the subject s body.



No. of Pages : 41 No. of Claims : 21

(22) Date of filing of Application :17/01/2015

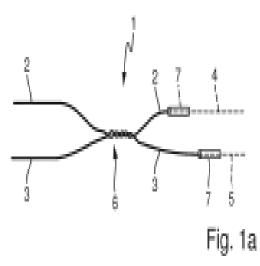
#### (43) Publication Date : 16/10/2015

## (54) Title of the invention : TEMPERATURE MEASURING APPARATUS MEASURING ELEMENT FOR A TEMPERATURE MEASURING APPARATUS AND METHOD FOR PRODUCING THE TEMPERATURE MEASURING APPARATUS

(51) International classification:G01K1/08G01H(31) Priority Document No:10 2012 105 54'(32) Priority Date:26/06/2012(33) Name of priority country:Germany(86) International Application No:PCT/EP2013/06Filing Date:07/06/2013(87) International Publication No:WO 2014/00106(61) Patent of Addition to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NAFiling Date:NA	Address of Applicant :Obere Wank 1 87484 Nesselwang Germany (72)Name of Inventor : 1)KALTEIS Helmut 2)SEEFELD Peter
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(57) Abstract :

Temperature measuring apparatus (1) having at least one measuring element (14 15 16) wherein the temperature measuring apparatus (1) has a preferably cylindrical particularly preferably metallic casing (13) in which the measuring element (14 15 16) is arranged wherein the measuring element (14 15 16) comprises a thermoelement which comprises at least two thermowires (2 3) which thermowires (2 3) are connected to one another at a measuring point (M1 M2 M3) at one height along the longitudinal axis (L) of the casing (13) wherein the thermowires (2 3) run along the longitudinal axis (L) of the casing (13) or a first distance at least as far as the measuring point (M1 M2 M3) and wherein the measuring element (14 15 16) further has at least two connection wires (4 5) which run along the longitudinal axis (L) of the casing (13) on that side of the measuring point (M1 M2 M3) which is situated opposite the thermowires (2 3) for a second distance and are connected to the thermowires (2 3) wherein the two connection wires (4 5) are composed of a material which differs from that of the thermowires (2 3).



No. of Pages : 25 No. of Claims : 24

#### (19) INDIA

(22) Date of filing of Application :07/01/2015

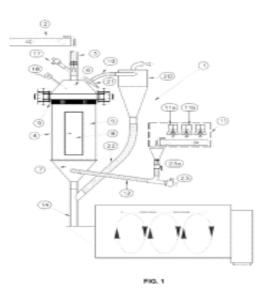
#### (43) Publication Date : 16/10/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR THE CONTINUOUS PREPARATION OF COLORED MATERIALS IN POWDER FORM FOR THE MANUFACTURE OF CERAMIC ARTICLES

(51) International classification	:B01F3/18B01F5/18B01J2/00	
(31) Priority Document No	:GE2012A000070	1)CONFETTI Cristian
(32) Priority Date	:18/07/2012	Address of Applicant : Av. Libertador 1080 9 B Buenos Aires 1112
(33) Name of priority country	:Italy	C.A.B.A. Argentina Argentina
(86) International Application No	:PCT/IB2013/055870	(72)Name of Inventor :
Filing Date	:17/07/2013	1)CONFETTI Cristian
(87) International Publication No	:WO 2014/013446	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An apparatus for the preparation of colored materials in powder form for the manufacture of ceramic tiles which comprises a mixer constituted by an upper cover (6) connected to the supply line (3) of the base material and by a mixing chamber (5); a vibrating frame (9) located between upper cover and mixing chamber; a perforated baffle fixed to the vibrating frame the vibrating frame is connected with seal to the mixing chamber. The apparatus is provided with a system for the generation of an operating vacuum pressure in the upper cover and an injection system of the colorant at the base of the mixing chamber. The apparatus of the present invention produces a method for the preparation of colored materials in powder form for the manufacture of ceramic tiles wherein the atomized and/or granulated ceramic material of uniform particle size containing or not containing coloring substances is fed uniformly into a chamber under vacuum pressure with respect to the mixing chamber connected to said chamber through a vibrated perforated baffle; coloring particles are injected at the base of a mixing chamber; the atomized and/or granulated ceramic material falls by gravity and is sprinkled inside the mixing chamber; and mixing in gaseous phase of the atomized and/or granulated ceramic material with the rising current of coloring particles.



No. of Pages : 26 No. of Claims : 18

(22) Date of filing of Application :08/01/2015

(21) Application No.55/MUMNP/2015 A

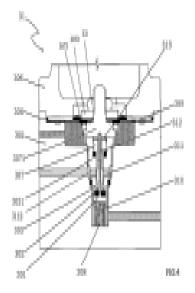
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : VALVE ASSEMBLY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:24/06/2013 :WO 2014/012414 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)FISHER JEON GAS EQUIPMENT (CHENGDU) CO. LTD. Address of Applicant :No. 9 Wukedong 2nd Road Wuhou Science Technic Park Wuhou District Chengdu Sichuan 610045 China China (72)Name of Inventor :</li> <li>1)WANG Le</li> </ul>
Filing Date	:NA	

#### (57) Abstract :

A valve assembly comprises: a valve body (305) having a first pressure chamber (309) and a second pressure chamber (311) wherein the pressure of the first pressure chamber (309) is lower than that of the second pressure chamber (311) and the pressure of the second pressure chamber (311) is discharged to the first pressure dchamber (309) in response to the change of the pressure of the first pressure chamber(309); a blocking device (301) arranged between the first pressure chamber (309) and the second pressure chamber (311); a valve stem (307) arranged in the valve body (305) one end of the valve stem (305) movably contacting the blocking device (301); and a diaphragm (304) connected to the valve stem (307) and arranged adjacent to or above the first pressure chamber (309). When the pressure of the first pressure chamber (309) changes the diaphragm (304) forces the valve stem (305) to move by sensing the change of the pressure of the first pressure chamber (309).



No. of Pages : 36 No. of Claims : 9

(22) Date of filing of Application :19/12/2014

(21) Application No.4093/MUM/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : TAMPING PUNCH STATION AND METHOD FOR FILLING CAPSULES IN A TAMPING PUNCH STATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B65B63/02 B65B1/04 :102013114693.7 :20/12/2013 :Germany :NA :NA :NA :NA :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)FETTE ENGINEERING GMBH Address of Applicant :GRABAUER STRASSE 24 DE-21493</li> <li>SCHWARZENBEK GERMANY Germany</li> <li>(72)Name of Inventor :</li> <li>1)HEINRICH Thomas</li> <li>2)MALICK Daniel</li> <li>3)SCHEFFLER Jan Fabian</li> <li>4)KRUSE Jan-Eric</li> <li>5)NAKHAVOLI Afsaneh</li> </ul>
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(57) Abstract :

The invention relates to a tamping punch station for filling capsules with filling material in a capsule filling machine comprising a rotatably drivable dosing disk which comprises at least one group of bore holes a filling device for filling the bore holes with the filling material at least one group of tamping punches and one group of ejection punches wherein the tamping punches and the ejection punches are held on a vertically moveable punch support wherein through vertical movement of the punch support the tamping punches for pressing the filling material into the bore holes and the ejection punches for ejecting pellets created by the tamping punches in the bore holes can be moved into the bore holes wherein first drive means for incremental rotation of the dosing disk along the at least one group of tamping punches and the group of ejection punches and second drive means for the vertical movement of the punch support are provided wherein the second drive means comprise at least two spindle nut and respectively one vertical drive spindle guided in the spindle nut and wherein the second drive means comprise at least two drive motors which drive respectively one of the spindle drives for the vertical movement of the punch support. The invention also relates to a method for filling capsules of a tamping punch station.

No. of Pages : 23 No. of Claims : 18

(21) Application No.41/MUMNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/01/2015

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : DEVICES METHODS AND APPARATUSES FOR MOBILE DEVICE ACQUISITION ASSISTANCE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM INCORPORATED Address of Applicant :ATTN: International IP Administration 5775 Morehouse Drive San Diego California 92121 1714 U.S.A. </li> <li>(72)Name of Inventor : 1)FISCHER Sven 2)EDGE Stephen William</li></ul>

(57) Abstract :

Methods apparatuses and/or articles of manufacture which may be employed in a mobile device and/or in a location server enable acquisition assistance at the mobile device. In at least one implementation which is not intended to limit claimed subject matter acquisition assistance may include expected Doppler frequency shift and expected code phase in the case of a particular Global Navigation Satellite System (GNSS) satellite vehicle as well as a search window for each of these and a confidence value. The confidence value may indicate the likelihood of detecting signals from the satellite vehicle at the current expected location of the mobile device and within the given search windows and may enable one or more of faster location estimation reduced battery consumption and detection of weaker satellite signals.

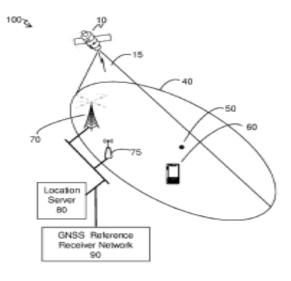


FIG. 1

No. of Pages : 54 No. of Claims : 43

(22) Date of filing of Application :08/01/2015

(21) Application No.58/MUMNP/2015 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : SEALING DEVICE IN A VALVE AND A VALVE WITH THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:201220359196.X :20/07/2012 :China	<ul> <li>(71)Name of Applicant :</li> <li>1)FISHER JEON GAS EQUIPMENT (CHENGDU) CO. LTD. Address of Applicant :No.9 Wukedong 2nd Road Wuhou Science Technic Park Wuhou District Chengdu Sichuan 610045 China China (72)Name of Inventor :</li> <li>1)WANG Le</li> </ul>
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#### (57) Abstract :

A sealing device in a valve and a valve with the same are provided. The sealing device in the valve comprising: a first member having a convex portion a second member having a concave portion and a sealing member wherein the convex portion of the first member is mated with the concave portion of the second member and the convex portion of the first member is configured to be received into the concave portion of the second member; and the sealing member the convex portion of the first member and the concave portion of the first member and the concave portion of the second member; and wherein the convex portion of the first member is mated with the concave portion of the second member; and

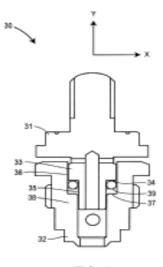


FIG. 4

No. of Pages : 21 No. of Claims : 6

#### (19) INDIA

(22) Date of filing of Application :10/04/2014

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : TOPICAL ACECLOFENAC

	:	(71)Name of Applicant :
(51) International classification	A61K	1)Inventia Healthcare Private Limited
	9/107	Address of Applicant : Unit 703 & 704 7th floor Hubtown Solaris N S
(31) Priority Document No	:NA	Phadke Marg Andheri (East) Mumbai - 400 069 Maharashtra India
(32) Priority Date	:NA	Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)Mukherji Gour
Filing Date	:NA	2)Redasani Vijayendrakumar Virendrakumarji
(87) International Publication No	: NA	3)Gaitonde Prutha Shrikrishna
(61) Patent of Addition to Application Number	:NA	4)Shah Vaibhavi Ankur
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A stable aqueous topical composition comprising aceclofenac or pharmaceutically acceptable salt thereof and at least one acryloyl thickening agent.

No. of Pages : 15 No. of Claims : 10

(22) Date of filing of Application :26/06/2014

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : PRODUCTION METHOD FOR A MODIFYING COKING ADDITIVE BY DELAYED COKING OF RESIDUE OIL

(51) International classification:C10B(51) International classification57/00(10B55/00(31) Priority Document No:14/2522(32) Priority Date:14/04/20(33) Name of priority country:U.S.A.(86) International Application No:PCT//Filing Date:01/01/19(87) International Publication No: NA(61) Patent of Addition to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NAFiling Date:NA	<ul> <li>(72)Name of Inventor :</li> <li>1)VALYAVIN Gennady Georgievich</li> <li>2)ZAPORIN Victor Pavlovich</li> <li>3)SUKHOV Sergei Vitel'avich</li> </ul>
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#### (57) Abstract :

TITLE.: PRODUCTION METHOD FOR A MODIFYING COKING ADDITIVE BY DELAYED COKING OF RESIDUE OIL Methods for producing oil coke using delayed coking are described. A primary feed is heated and charged into a remote stripper of a rectification column where it is mixed with heavy gasoil as a recirculant and where a secondary feed is produced which is then heated in a reaction/heating furnace and transferred to a coking chamber where a coking additive and vapour/liquid coking products are produced. The latter ones are fractionated in the rectification column forming gas benzene light and heavy gasoil and coking bottom products. Calcium oxide/hydroxide is mixed with the secondary feed and then mixed with heavy gasoil before being transferred to the coking chamber. Alternatively calcium oxide/hydroxide is added to the coking bottom products mixed with the secondary feed before feeding it into the coking chamber or they are introduced into the coking chamber directly.

No. of Pages : 19 No. of Claims : 9

(22) Date of filing of Application :08/01/2015

(21) Application No.53/MUMNP/2015 A

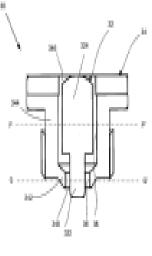
(43) Publication Date : 16/10/2015

(54) Title of the invention : VALVE STEM VALVE STEM VALVE SEAT ASSEMBLY AND VALVE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:201220287315.5 :15/06/2012 :China	<ul> <li>(71)Name of Applicant :</li> <li>1)FISHER JEON GAS EQUIPMENT (CHENGDU) CO. LTD. Address of Applicant :No.9 Wukedong 2nd Road Wuhou Science Technic Park Wuhou District Chengdu Sichuan 610045 China China (72)Name of Inventor :</li> <li>1)WANG Le</li> </ul>
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	:WO 2013/185633 :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

A valve stem (32) a valve stem valve seat assembly (30) and a valve using the stem valve seat assembly (30) are provided. The valve stem (32) comprises: a first portion (322) which forms a first fluid passage (36) with an inner surface of a valve seat (34) and is out of contact with the inner surface of the valve seat (34); and a second portion (324) which extends axially from one end of the first portion (322) forms a second fluid passage (38) with the inner surface of the valve seat (34); wherein a circulation area of the first fluid passage (36) is smaller than that of the second fluid passage (38). By using the valve stem (32) the valve stem valve seat assembly (30) and the valve using the valve seat assembly the icing probability of a mouth portion (342) of the valve seat (34) can be effectively reduced and the guide structure is relatively simple.



 $F(\beta)$ 

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

(22) Date of filing of Application :08/01/2015

(21) Application No.59/MUMNP/2015 A

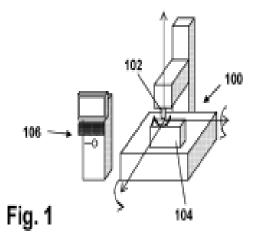
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : A MACHINE TOOL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:B23P23/04B23K26/14 :1212629.8 :16/07/2012 :U.K. :PCT/GB2013/051906 :16/07/2013 :WO 2014/013247	<ul> <li>(71)Name of Applicant :</li> <li>1)EX SCINTILLA LIMITED Address of Applicant :The Riding School House Bulls Lane Wishaw Sutton Coldfield West Midlands B76 9QW U.K. U.K. (72)Name of Inventor : 1)JONES Jason B. 2)COATES Peter</li></ul>
e		
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	:WO 2014/013247 :NA	2)COATES Peter
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A machine tool (100; 1106) arranged to deliver an energy source through a processing head (102; 200; 1100; 1150) onto a work piece (104) wherein; the machine tool has a clamping mechanism (202; 1102; 1152) arranged to temporarily receive the processing head (102; 200; 1100; 1150) or another machining or processing head to process a work piece (104); the processing head (102; 200; 1100; 1150) comprising one or more guiding mechanisms (212 218 220 222; 520) arranged to direct the energy source (206; 1110) onto a work piece (104) and a processing head docking manifold (201; 1602) arranged to have connected thereto one or more media to be in use supplied to the processing head (102; 200; 1100; 1150) to facilitate processing head (102; 200; 1100; 1150) wherein the processing head docking manifold (201; 1602) allows the one or more media to be supplied to the processing head (102; 200; 1100; 1150) when the processing head (102; 200; 1100; 1150) is connected to the clamping mechanism (202; 1102; 1152); and wherein the machine tool (100; 1106) also comprises at least one mechanism arranged to move a supply docking manifold (200; 600) into and/or out of connection with the processing head docking manifold (201; 1602) such that when the two manifolds are connected the or each media is supplied to the processing head (102; 200; 1100; 1150).



No. of Pages : 50 No. of Claims : 45

(22) Date of filing of Application :02/01/2015

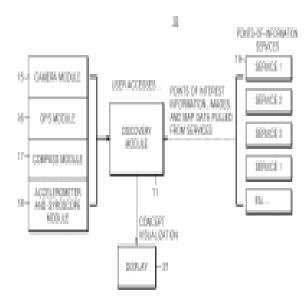
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : AUGMENTED REALITY ARRANGEMENT OF NEARBY LOCATION INFORMATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:61/657619 :08/06/2012 :U.S.A. :PCT/KR2013/005026	<ul> <li>(71)Name of Applicant :</li> <li>1)SAMSUNG ELECTRONICS CO. LTD.</li> <li>Address of Applicant :129 Samsung ro Yeongtong gu Suwon si</li> <li>Gyeonggi do 443 742 Republic of Korea Republic of Korea</li> <li>(72)Name of Inventor :</li> </ul>
<ul> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:07/06/2013 :WO 2013/183957 :NA :NA :NA :NA	1)KIM Byoung ju 2)PARK Eun young 3)ALVAREZ Jesse 4)DESAI Prashant

#### (57) Abstract :

A method of displaying information of interest to a user on an electronic device comprises capturing an image of surrounding area via a camera displaying the image on a display of the electronic device identifying objects of interest in a portion of the image as points of interest (POI) to the user obtaining POI information about the points of interest arranging said POI information and displaying the arranged information with augmented reality on the image for the identified objects.



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

(19) INDIA

(22) Date of filing of Application :05/01/2015

#### (21) Application No.30/MUMNP/2015 A

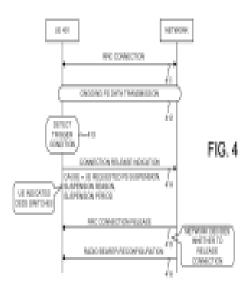
(43) Publication Date : 16/10/2015

(54) Title of the invention : ENHANCEMENT PROCEDURE OF SUSPENDING AND RESUMING UE DATA IN MOBILE COMMUNICATION NETWORKS

(51) International classification	:H04L12/66H04W36/14H04W88/18	(71)Name of Applicant :
(31) Priority Document No	:201210216246.3	1)MEDIATEK INC.
(32) Priority Date	:27/06/2012	Address of Applicant :No. 1 Dusing Road 1st Science Based
(33) Name of priority country	:China	Industrial Park Hsin Chu Taiwan 300 China China
(86) International Application No	:PCT/CN2013/078037	(72)Name of Inventor :
Filing Date	:26/06/2013	1)JHENG Yu Syuan
(87) International Publication No	:WO 2014/000650	2)ZHANG Yuanyuan
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)FU I Kang
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A method for UE to indicate its upcoming transceiver operation status to network and help network to avoid inefficient radio resource schedule for better network efficiency is proposed. The proposed method also helps network to manage the connections for user applications to prevent unnecessary disruption due to short term radio link disconnection. In one embodiment the UE is a dual SIM dual standby (DSDS) UE. The UE first establishes an RRC connection and starts data transmission. Upon detecting a suspension event the UE sends a signaling connection release indication (SCRI) with a new cause for UE requested PS data suspension. The SCRI may further include a suspension reason and a suspension period. When the network receives the SCRI it will interpret that the UE may not be able to receive its downlink signal during the upcoming period and may prevent schedule radio resource for the UE.



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

(19) INDIA

(22) Date of filing of Application :08/01/2015

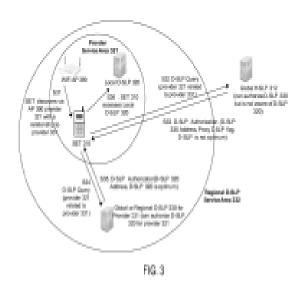
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : INDOOR LOCATION SERVER PROVISION AND DISCOVERY USING A PROXY LOCATION SERVER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:H04W64/00H04W4/02H04W4/20 :61/689926 :15/06/2012 :U.S.A. :PCT/US2013/044931 :10/06/2013	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM INCORPORATED Address of Applicant :Attn: International IP Administration 5775 Morehouse Drive San Diego California 92121 1714 U.S.A. </li> <li>(72)Name of Inventor : 1)EDGE Stephen William</li></ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:NA :NA	2)WACHTER Andreas Klaus 3)FISCHER Sven

(57) Abstract :

Systems and methods are presented for discovering a local location server associated with a local provider based on a relationship between the local provider and another regional/global provider. A mobile device discovers the local provider and queries a home location server which returns the address of a regional/global location server associated with the regional/global provider. A mobile device then queries the regional/global location server to discover the local location server and may then access the local location server to obtain location services. The method may be employed with the OMA SUPL location solution wherein the home location server may be an H SLP and the local and regional/global location servers may be D SLPs.



No. of Pages : 66 No. of Claims : 41

(22) Date of filing of Application :07/01/2015

(21) Application No.62/MUM/2015 A

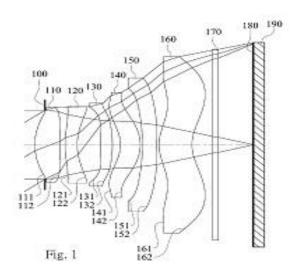
(43) Publication Date : 16/10/2015

(54) Title of the invention : PHOTOGRAPHING OPTICAL LENS ASSEMBLY IMAGE CAPTURING DEVICE AND MOBILE TERMINAL

(51) International classification	:G02B13/00	(71)Name of Applicant :
(31) Priority Document No	:103100689	1)LARGAN PRECISION CO. LTD.
(32) Priority Date	:08/01/2014	Address of Applicant :No.11 Jingke Rd. Nantun Dist. Taichung City
(33) Name of priority country	:Argentina	408 Taiwan R.O.C. Taiwan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Hsin-Hsuan HUANG
(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	
		1

<sup>(57)</sup> Abstract :

A photographing optical lens assembly includes in order from an object side to an image side a first lens element a second lens element a third lens element a fourth lens element a fifth lens element and a sixth lens element. The first lens element with positive refractive power has an object-side surface being convex in a paraxial region thereof. The second lens element has negative refractive power. The third lens element has refractive power. The fourth lens element has refractive power. The fifth lens element with refractive power has an object-side surface being concave in a paraxial region thereof. The second lens element with refractive power has an object-side surface being concave in a paraxial region thereof. The sixth lens element with positive refractive power has an object-side surface being convex in a paraxial region thereof and an image-side surface being concave in a paraxial region thereof. The photographing optical lens assembly has a total of six lens elements with refractive power.



No. of Pages : 66 No. of Claims : 26

(22) Date of filing of Application :08/01/2015

(21) Application No.54/MUMNP/2015 A

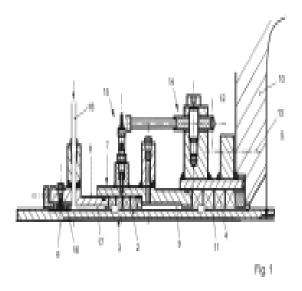
(43) Publication Date : 16/10/2015

:F16J15/18	(71)Name of Applicant :
:10 2012 106 239.0	1)LIST HOLDING AG
:11/07/2012	Address of Applicant :24 Berstelstrasse CH 4422 Arisdorf
:Germany	Switzerland
:PCT/EP2013/064532	(72)Name of Inventor :
:10/07/2013	1)WITTE Daniel
:WO 2014/009393	2)KUNZ Alfred
:NA	
:NA	
:NA	
:NA	
	:10 2012 106 239.0 :11/07/2012 :Germany :PCT/EP2013/064532 :10/07/2013 :WO 2014/009393 :NA :NA :NA

#### (54) Title of the invention : METHOD AND APPARATUS FOR HANDLING A PRODUCT

(57) Abstract :

In a method for handling a product in particular a viscous pasty product with at least one rotating shaft (3 11) in a product space (5) a driving spindle (11) of the shaft (3) is mounted and sealed outside the product space (5) in a housing consisting of a plurality of parts (7 8 12). The sealing is brought about by means of at least two seals (2 4) wherein a dynamic seal (2) follows an eccentric movement of the shaft (3) and takes on dynamic sealing of the rotating shaft (3) while another seal (4) compensates for an eccentric movement of the shaft (3) in relation to the housing by means of plastic or elastic deformation and therefore prevents a leakage between the housing part (12) which moves eccentrically and a rigid housing (10). A defined quantity of liquid which serves as a blocking agent and lubricant for the dynamic seal (2) of the shaft (3) towards the housing part (7) is metered in here said liquid apart from a residual excess being drawn into the dynamic seal (2) by means of a pressure difference therewithin and thereby forming an effective block and seal.



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

(22) Date of filing of Application :02/01/2015

#### (21) Application No.6/MUMNP/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : PROCESS FOR THE PRODUCTION OF A DETERGENT GRANULE DETERGENT GRANULE AND DETERGENT COMPOSITION COMPRISING SAID GRANULE

(51) International classification	:C11D11/02C11D1/02C11D3/10	(71)Name of Applicant :
(31) Priority Document No	:12175590.4	1)UNILEVER PLC
(32) Priority Date	:09/07/2012	Address of Applicant : Unilever House 100 Victoria Embankment
(33) Name of priority country	:EPO	London Greater London EC4Y 0DY U.K.
(86) International Application No	:PCT/EP2013/062387	(72)Name of Inventor :
Filing Date	:14/06/2013	1)PACHA Fakhruddin Esmail
(87) International Publication No	:WO 2014/009101	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

There is provided a process for the production of a detergent granule comprising at least 40% by weight of an anionic surfactant and suitable for use as a granular detergent composition or a component thereof which process comprises the steps of (i) mixing an anionic surfactant precursor with a source of alkali to form a neutralised paste (ii) adding alkali metal salt of a polycarboxylic acid up to 5% by weight alkaline silicate polycarboxylate polymer and sodium carbonate to form a slurry and (iii) spray drying the obtained slurry to form a detergent granule having an amorphous phase content of more than 60% by weight whereby the molar ratio of the alkali metal salt of a polycarboxylic acid to sodium carbonate is in range of 0.4 to 1.6. There is also provided a spray dried detergent granule comprising at least 40% by weight of an anionic surfactant alkali metal salt of a polycarboxylic acid up to 5% by weight alkaline silicate polycarboxylate polymer and sodium carbonate is in range of 0.4 to 1.6. There is also provided a spray dried detergent granule comprising at least 40% by weight of an anionic surfactant alkali metal salt of a polycarboxylic acid up to 5% by weight alkaline silicate polycarboxylate polymer and sodium carbonate and suitable for use as a granular detergent composition or a component thereof obtainable by the process of the present invention. A third aspect is a detergent composition comprising such granules.

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

(22) Date of filing of Application :09/01/2015

(21) Application No.66/MUMNP/2015 A

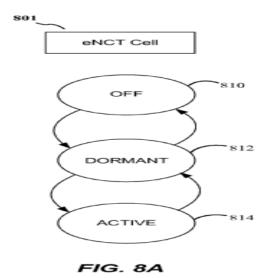
(43) Publication Date : 16/10/2015

## (54) Title of the invention : COMMUNICATING WITH AN ENHANCED NEW CARRIER TYPE FOR ENERGY SAVING

		(71)Name of Applicant :
(51) International classification	:H04W24/02H04W52/02	
(31) Priority Document No	:61/679618	Address of Applicant :ATTN: International IP Administration 5775
(32) Priority Date	:03/08/2012	Morehouse Drive San Diego California 92121 1714 U.S.A. U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/US2013/053488	1)MALLADI Durga Prasad
Filing Date	:02/08/2013	2)WEI Yongbin
(87) International Publication No	:WO 2014/022806	3)GAAL Peter
(61) Patent of Addition to Application Number	:NA	4)HORN Gavin Bernard
Filing Date	:NA	5)XU Hao
(62) Divisional to Application Number	:NA	6)LUO Tao
Filing Date	:NA	7)DAMNJANOVIC Aleksandar
2		8)CHEN Wanshi

## (57) Abstract :

A method of wireless communication is presented for an enhanced new carrier type cell. The method includes transmitting downlink common signals and channels at a low duty cycle while in a dormant state. The method also includes transmitting downlink common signals and channels at a high duty cycle while in an active state.



No. of Pages : 59 No. of Claims : 42

(22) Date of filing of Application :12/01/2015

(21) Application No.79/MUMNP/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : GAS SCRUBBER AND RELATED PROCESSES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:PCT/US2013/047063 :21/06/2013 :WO 2014/004298	<ul> <li>(71)Name of Applicant :</li> <li>1)INVISTA TECHNOLOGIES SR.L. Address of Applicant :Zweigniederlassung St. Gallen Kreuzackerstrasse 9 CH 9000 St. Gallen Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)HAMILTON Clive Alexander</li> <li>2)NEATE Robert Edward</li> </ul>
(61) Patent of Addition to Application Number	<sup>1</sup> :NA :NA	
Filing Date (62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method for producing a high molecular weight polyethylene terephthalate (PET) via a solid state polymerization system. The method comprises using an acid catalyst to effectuate the conversion of acetaldehyde present within the system to 2 methyl 1 3 dioxolane which can be readily removed. The invention also relates to PET prepared via this process which can advantageously exhibit low levels of acetaldehyde.

No. of Pages : 25 No. of Claims : 45

(22) Date of filing of Application :05/01/2015

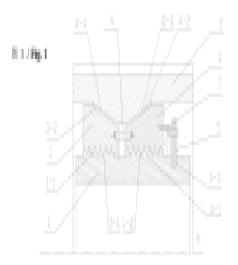
(43) Publication Date : 16/10/2015

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:13/06/2013	<ul> <li>(71)Name of Applicant :</li> <li>1)CHONGQING DYNRUN MACHINERY CO. LTD. Address of Applicant :No.991 6 21 Jinyu RoadEconomic Development Park Northern New District Chongqing 40122 China</li> <li>(72)Name of Inventor :</li> <li>1)LUO Jun</li> <li>2)LUL Jun</li> </ul>
Filing Date (87) International Publication No	:13/06/2013 :WO 2014/015719	1)LUO Jun 2)LIU Jun
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (54) Title of the invention : CONICAL SURFACE FRICTION TYPE OVERRUNNING CLUTCH

## (57) Abstract :

Disclosed is a conical surface friction type overrunning clutch the clutch being regarded as a basic mechanical transmission part. A first intermediate ring (3) and a second intermediate ring (4) are provided between an inner ring (1) and an outer ring (2) both able to rotate about a common axis such that force boosting transmission mechanisms are connected respectively to conical surface friction pairs in a matching manner. All of the force boosting transmission mechanisms and the conical surface friction pairs operate within a scope of parameters in which they would not lock themselves the force boosting transmission mechanisms being in a constant meshing state and an initial press is exerted on the conical surface friction pairs via an elastic preloading part (7) or a magnetic member. When there are tangential external component forces in different directions between the inner ring and the outer ring the conical surface friction pairs are slidably rotating or stay in a stationary state with the effect of the force boosting transmission mechanism so of overrunning and self locking in the overrunning clutch are realized. The present invention is also able to realize the function of preventing the overrunning clutch from overloading and slipping by means of adjusting the design parameters.



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

(22) Date of filing of Application :02/01/2015

(21) Application No.5/MUMNP/2015 A

### (43) Publication Date : 16/10/2015

# (54) Title of the invention : A PHOTOPROTECTIVE PERSONAL CARE COMPOSITION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K8/35 A61Q17/04A61K38/35 :12175520.1 :09/07/2012 :EPO :PCT/EP2013/063339 :26/06/2013 :WO 2014/009152 :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>UNILEVER PLC</li> <li>Address of Applicant :Unilever House 100 Victoria Embankment</li> </ol> </li> <li>London EC4Y 0DY U.K.</li> <li>(72)Name of Inventor : <ol> <li>GHOSH Nilmoni</li> </ol> </li> <li>2)PALANISAMY Bharath</li> </ul>
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(57) Abstract :

The invention relates to a photoprotective personal care composition. It is an object of the present invention to provide enhanced visible light protection and this is sought to be achieved using well known actives which are widely and inexpensively available. The present inventors have achieved this by incorporating visible light actives in a fatty acid containing composition along with select non ionic surfactants.

No. of Pages : 20 No. of Claims : 11

(22) Date of filing of Application :13/01/2015

(21) Application No.86/MUMNP/2015 A

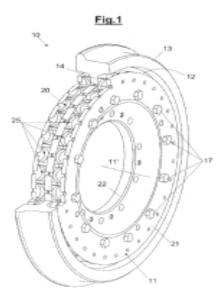
(43) Publication Date : 16/10/2015

(51) International classification	:B60B17/00	(71)Name of Applicant :
(31) Priority Document No	:BS2012A000124	1)LUCCHINI RS S.P.A.
(32) Priority Date	:30/07/2012	Address of Applicant : Via G. Paglia 45 I 24065 Lovere (BG) Italy
(33) Name of priority country	:Italy	(72)Name of Inventor :
(86) International Application No	:PCT/IB2013/056221	1)CERVELLO Steven
Filing Date	:29/07/2013	2)SALA Dimitri
(87) International Publication No	:WO 2014/020521	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (54) Title of the invention : RAILWAY WHEEL AND RESPECTIVE DAMPING ELEMENT

#### (57) Abstract :

A railway wheel (10) for a vehicle comprises a rotation axis (11) and a supporting disk (11) which can be keyed or otherwise attachable on an axle at the rotation axis (11). The supporting disk (11) can be coupled with a wheel rim (13) intended for rolling on a rail. The wheel (10) provides damping means (20) of the wheel rim (13) with respect to the supporting disk (11) which comprise a plurality of elastic elements (25) interposed between the supporting disk (11) and the wheel rim (13) aside with respect to the median plane (10) of the wheel. Each elastic element (25) has its own geometrical axis (26) and comprises a first face (25a) facing the median plane (10) of the wheel (10) and a second face (25b) opposed to the first face (25a) and facing the opposite part with respect the median plane (10) of the wheel so that the elastic element (25) extends its thickness between the two faces (25a 25b). The first face (25a) and the second face (25b) of each elastic element (25) have the same concavity or the same convexity when considered in cross section in any plane containing said geometrical axis (26). The elastic elements (25) are designed to obtain the effective damping of any stress transmitted from the wheel motion on the rail and to increase the lifetime of the elastic element (25) itself.



No. of Pages : 31 No. of Claims : 21

(22) Date of filing of Application :11/04/2014

(21) Application No.1342/MUM/2014 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : Vertical Axis Wind M	ill •	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filed on</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F03D3/04 :NA :NA :PCT// :01/01/1900 : NA :3850/MUM/2013 :01/01/1900 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)VEDPRAKASH NAITHANI Address of Applicant :202-203 Naindhara Nr. GNFC Info Tower S.G. Road Bodakdev Ahmedbad-380054 Gujarat India. Gujarat India (72)Name of Inventor :</li> <li>1)VEDPRAKASH NAITHANI</li> </ul>

(57) Abstract :

The present invention relates to a vertical axis windmill. More particularly the present invention relates to a vertical axis windmill that includes a plurality of small size equally spaced blades are put alternatively a plurality of Y-shaped joints and other embodiments as described herein after in this complete specification. The vertical axis windmill as disclosed in the present invention is of an improved and simplified construction that can be utilized both in urban and rural settings.

No. of Pages : 30 No. of Claims : 10

(22) Date of filing of Application :11/04/2014

#### (43) Publication Date : 16/10/2015

#### (54) Title of the invention : WIND POWER INSTALLATION

(51) International classification	:F03D3/04	(71)Name of Applicant :
(31) Priority Document No	:NA	1)KULKARNI OmPrakash Ganpatrao
(32) Priority Date	:NA	Address of Applicant :4 Malini Gardens Near Sumangal Medicals
(33) Name of priority country	:NA	Opp. Telephone Exchange. Canada Corner Nashik - 422002 Maharashtra
(86) International Application No	:PCT//	Maharashtra India
Filing Date	:01/01/1900	2)MEHRA Yogesh Jogindernath
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)KULKARNI OmPrakash Ganpatrao
Filing Date	:NA	2)MEHRA Yogesh Jogindernath
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present subject matter relates to a wind power installation (100) having one or more rotor blades (114). Each of the one or more rotor blades (114) is connected to a flexible braided conductive cable (128). One end of the flexible braided conductive cable (128) is connected to a discharge ring (122) mounted on each of the one or more rotor blades (114) and another end the flexible braided conductive cable (128) is connected to a carbon brush holder (132) mounted in a hub (112). The carbon brush holder (132) is mounted between a slip ring body (134) and an axle pin (136). Further the carbon brush holder (132) is connected with a foundation earthing system (104) through a discharge slip ring (140) mounted at front tip end of the axle pin (136).

No. of Pages : 17 No. of Claims : 12

(22) Date of filing of Application :20/01/2015

(21) Application No.143/MUMNP/2015 A

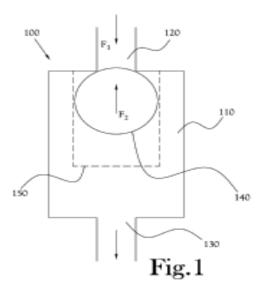
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : DEVICE FOR REGULATING GRAVITATIONAL PRESSURE IN A SHUNT SYSTEM

(51) International classification	:A61M1/00	(71)Name of Applicant :
(31) Priority Document No	:61/674729	1)ARKIS BIOSCIENCES
(32) Priority Date	:23/07/2012	Address of Applicant :1059 North Cedar Bluff Rd #157 Knoxville
(33) Name of priority country	:U.S.A.	Tennessee 37923 U.S.A.
(86) International Application No	:PCT/US2013/051660	(72)Name of Inventor :
Filing Date	:23/07/2013	1)SEAVER Chad
(87) International Publication No	:WO 2014/018520	2)ARNOTT Chris
(61) Patent of Addition to Application Number	:NA	3)KILLEFFER James A.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

A gravitational pressure regulating valve to regulate fluid flow of a patient including a fluid chamber having an inlet port to receive a bodily fluid and an outlet port to discharge the received bodily fluid and an opposing force member in the fluid chamber to oppose a first force of the fluid flow at the inlet port with a second force that varies according to changes in gravitational alignment.



No. of Pages : 33 No. of Claims : 23

(19) INDIA

(22) Date of filing of Application :24/12/2014

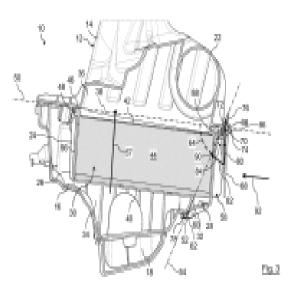
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : AIR CLEANER IN PARTICULAR OF AN INTERNAL COMBUSTION ENGINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:F02M35/02B01D46/24B01D46/00 :12290229.9 :09/07/2012 :EPO :PCT/EP2013/059570 :08/05/2013 :WO 2014/009039	<ul> <li>(71)Name of Applicant :</li> <li>1)MANN+HUMMEL GMBH <ul> <li>Address of Applicant :LC IP Hindenburgstr. 45 71638 Ludwigsburg</li> </ul> </li> <li>Germany Germany </li> <li>(72)Name of Inventor : <ul> <li>1)DESNOE Willy</li> <li>2)NABUCET Gurvan</li> </ul> </li> </ul>
<ul> <li>(67) International Fublication 1(6)</li> <li>(61) Patent of Addition to Application Number</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	<sup>n</sup> :NA :NA :NA :NA	

(57) Abstract :

The present invention relates to an air cleaner (10) in particular of an internal combustion engine in particular of a motor vehicle comprising a housing (12) with a slide in opening (32) for inserting a slide in filter element (30) and a cover element (58) for closing the slide in opening (30). The cover element (58) comprises at least one one piece snap element (66) for fixing the cover element (58) at the housing (12). An angle (64) between a main plane (50) of a sealing face (46) of the housing (12) for a sealing (48) between the filter element (30) and the housing (12) and a main plane (54) of a contact face (62) of the cover element (58) to which a corresponding contact face (52) of the housing (12) abuts in a closing state of the cover element (58) is different from  $90^{\circ}$ .



No. of Pages : 22 No. of Claims : 10

(22) Date of filing of Application :14/01/2015

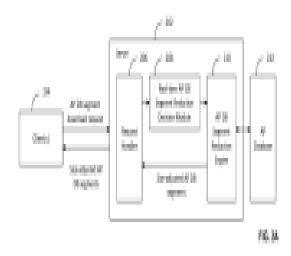
(43) Publication Date : 16/10/2015

# (54) Title of the invention : ADAPTIVE ACCESS POINT DATABASE MANAGEMENT

(51) International classification	:H04W4/02	(71)Name of Applicant :
(31) Priority Document No	:61/677397	1)QUALCOMM INCORPORATED
(32) Priority Date	:30/07/2012	Address of Applicant : ATTN: International IP Administration 5775
(33) Name of priority country	:U.S.A.	Morehouse Drive San Diego California 92121 1714 U.S.A.
(86) International Application No	:PCT/US2013/050939	(72)Name of Inventor :
Filing Date	:17/07/2013	1)AKGUL Ferit Ozan
(87) International Publication No	:WO 2014/022101	2)GAO Weihua
(61) Patent of Addition to Application Number	:NA	3)COLEMAN David Richard
Filing Date	:NA	4)WILSON Bruce Everett
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

Method and system for providing information of an access point database are disclosed. In one embodiment a method of providing information of an access point database comprises receiving a request to access an access point database from a mobile client generating a segment of the access point database in accordance with at least an application requirement of the mobile client and providing the segment of the access point database to the mobile client. The application requirement of the access point database comprises at least one of: generating a segment of the access point database in real time and providing the segment of the access point database previously generated and stored in the access point database.



No. of Pages : 35 No. of Claims : 37

(22) Date of filing of Application :09/01/2015

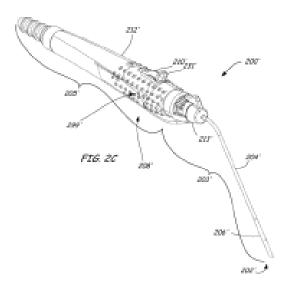
(43) Publication Date : 16/10/2015

(51) International classification	:A61F11/00	(71)Name of Applicant :
(31) Priority Document No	:61/660280	1)PRECEPTIS MEDICAL INC.
(32) Priority Date	:15/06/2012	Address of Applicant :505 Highway 169 N Suite 560 Plymouth MN
(33) Name of priority country	:U.S.A.	55441 U.S.A. U.S.A.
(86) International Application No	:PCT/US2013/045082	(72)Name of Inventor :
Filing Date	:11/06/2013	1)LOUSHIN Michael K.H.
(87) International Publication No	:WO 2013/188338	2)LELAND Keith J.
(61) Patent of Addition to Application Number	:NA	3)GOUDREAU Paul M.
Filing Date	:NA	4)SMITH Andrew N.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (54) Title of the invention : INSERTION SYSTEM FOR DEPLOYING A VENTILATION DEVICE

(57) Abstract :

An insertion system (200 200) includes a handle assembly (205 205) and a nose assembly (203 203) removably attached to the handle assembly and including an insertion end (202 202). The handle assembly includes a main body (263 263) a nose interface (217 217) and an actuating element (210 210). The nose assembly includes a nose (213 213) a positioning rod (204 204) extending from the nose to a distal end (207) a cutting sheath (206 206) surrounding the distal end of the positioning rod and including a cutting edge (209) an actuation member (214) having a proximal end coupled to the actuating element when the nose assembly is attached to the handle assembly and a distal end (221) attached to the cutting sheath. A ventilation tube (215) is positioned distal to the distal end of the positioning rod and proximal to the insertion end. The cutting sheath retracts from around the ventilation tube and along the positioning rod when the actuating element on the handle assembly is moved.



No. of Pages : 79 No. of Claims : 23

(22) Date of filing of Application :20/01/2015

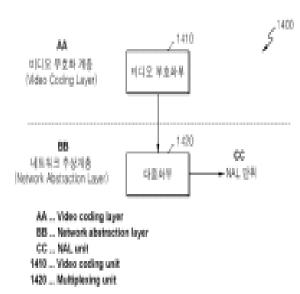
(43) Publication Date : 16/10/2015

# (54) Title of the invention : METHOD AND APPARATUS FOR CODING VIDEO HAVING TEMPORAL SCALABILITY AND METHOD AND APPARATUS FOR DECODING VIDEO HAVING TEMPORAL SCALABILITY

(51) International classification	:H04N7/26	(71)Name of Applicant :
(31) Priority Document No	:61/667654	1)SAMSUNG ELECTRONICS CO. LTD.
(32) Priority Date	:03/07/2012	Address of Applicant :129 Samsung ro Yeongtong gu Suwon si
(33) Name of priority country	:U.S.A.	Gyeonggi do 443 742 Republic of Korea
(86) International Application No	:PCT/KR2013/005923	(72)Name of Inventor :
Filing Date	:03/07/2013	1)CHOI Byeong doo
(87) International Publication No	:WO 2014/007550	2)PARK Young o
(61) Patent of Addition to Application Number	:NA	3)KIM II koo
Filing Date	:NA	4)KIM Jae hyun
(62) Divisional to Application Number	:NA	5)PARK Jeong hoon
Filing Date	:NA	

(57) Abstract :

Disclosed are a method and an apparatus for coding a video having temporal scalability and a method and an apparatus for decoding a video having temporal scalability. The method for coding the video comprises: dividing pictures included in a picture sequence into temporal sub layers; categorizing temporal layer access pictures into a first temporal layer access picture and a second temporal layer access picture on the basis of whether a picture which is coded after the temporal layer access pictures and is included in the same or higher temporal sub layer than the temporal layer access pictures can reference a picture which is coded before the temporal layer access pictures; and adding to transmission unit data which includes the temporal layer access pictures type syntax information for identifying the first temporal layer access picture and the second temporal layer access picture.



No. of Pages : 58 No. of Claims : 14

(22) Date of filing of Application :13/01/2015

(21) Application No.92/MUMNP/2015 A

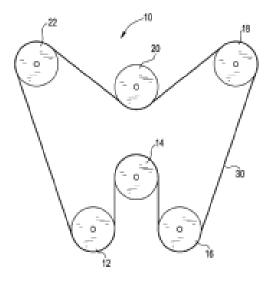
# (43) Publication Date : 16/10/2015

(54) The of the invention : ACCESSORY DRIVE DECOUPLER		
(51) International classification	:F16D41/20	(71)Name of Applicant :
(31) Priority Document No	:61/661962	1)DAYCO IP HOLDINGS LLC
(32) Priority Date	:20/06/2012	Address of Applicant :2025 W. Sunshine Street Suite L145
(33) Name of priority country	:U.S.A.	Springfield MO 65807 U.S.A.
(86) International Application No	:PCT/US2013/046791	(72)Name of Inventor :
Filing Date	:20/06/2013	1)MCCRARY Paul T.
(87) International Publication No	:WO 2013/192407	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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## (54) Title of the invention : ACCESSORY DRIVE DECOUPLER

#### (57) Abstract :

Assemblies for selectively coupling torque between rotating components and belt drive systems including the same are disclosed. The assembly includes a rotatable input member and a rotatable output member operatively connected to one another by a one way clutch for rotation together in a predominant direction. A spring is included in the assembly with a first end thereof engaged to the one way clutch and a second end thereof engaged to the rotatable input member. The spring has no preload in an unengaged position of the one way clutch and rotates with the rotatable input member during a positive torque condition to rotate a component of the one way clutch to activate the one way clutch into an engaged position. Then when the one way clutch is in the engaged position the spring radially expands and thereby provides isolation between the rotatable input member and the rotatable output member.



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

(22) Date of filing of Application :28/10/2013

#### (43) Publication Date : 16/10/2015

## (54) Title of the invention : POWER GENERATION SYSTEM

	:F03G7/00	(71)Name of Applicant :
(51) International classification	H02K35/00	1)ARJUNIKAR RAJU SHIVAJIRAO
	F04B17/00	Address of Applicant :2343/3 A WARD NEAR TATAKADIL
(31) Priority Document No	:NA	TALIM SHIVAJIPETH KOLHAPUR - 416012 MAHARASHTRA
(32) Priority Date	:NA	INDIA. Maharashtra India
(33) Name of priority country	:NA	2)RAORANE PADMANABH RAJENDRA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)ARJUNIKAR SHIVAJIRAO BAPUSO
(87) International Publication No	: NA	2)ARJUNIKAR RAJU SHIVAJIRAO
(61) Patent of Addition to Application Number	:NA	3)RAORANE PADMANABH RAJENDRA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A power generation system is disclosed. The power generation system includes at least one electric motor at least one alternator at least one pump a turbine and at least one battery. The at least one alternator is powered by the electric motor for conversion of mechanical energy into electrical energy. The at least one pump is powered by the electric motor. The turbine is driven by fluid flowing out of the at least one pump wherein an output shaft of the turbine is functionally connected to an output shaft of the at least one electric motor. The at least one battery is charged by the at least one alternator and wherein the at least one battery is adapted to power the at least one electric motor.

No. of Pages : 14 No. of Claims : 7

(22) Date of filing of Application :08/01/2015

(21) Application No.61/MUMNP/2015 A

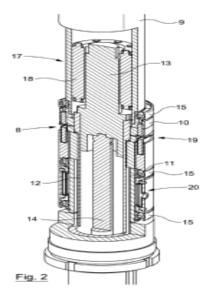
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : SPOT JOINING APPARATUS AND METHODS

(51) Intermeticanal alegaification	DO1115/00D01115/0CE1CD07/110	(71) Name of Ameliant
(51) International classification	:B21J15/02B21J15/26F16D27/112	(71)Name of Applicant:
(31) Priority Document No	:1212538.1	1)HENROB LIMITED
(32) Priority Date	:13/07/2012	Address of Applicant :Second Avenue Zone 2 Deeside Industrial Park
(33) Name of priority country	:U.K.	Flintshire CH5 2NX U.K. U.K.
(86) International Application No	:PCT/GB2013/051876	(72)Name of Inventor :
Filing Date	:12/07/2013	1)BLACKET Stuart Edmund
(87) International Publication No	:WO 2014/009754	2)GOSTYLLA Wojciech
(61) Patent of Addition to Application	' :NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	r:NA	
Filing Date	:NA	

(57) Abstract :

A spot joining apparatus comprises a motor a punch for driving a fastener or performing a clinching or friction stir spot welding operation a first transmission a second transmission and a transmission control apparatus. The first transmission is configured to transfer rotary motion of the motor to the punch when engaged. The second transmission is configured to convert rotary motion of the motor to linear motion of the punch and thereby drive the punch towards a workpiece when engaged. The transmission control apparatus is arranged to selectively adjust the degree of engagement of at least one of the first and second transmissions. Further apparatus for spot joining and methods of spot joining are also disclosed.



No. of Pages : 62 No. of Claims : 47

(22) Date of filing of Application :14/01/2015

(43) Publication Date : 16/10/2015

# (54) Title of the invention : PROCESS FOR PREPARING SOAP COMPOSITION IN A PLOUGHSHARE MIXER

(57) Abstract :

Attempts to make high moisture milled and plodded soap bars with more than 20 % moisture through a conventional in Ploughshare process led to the technical problem of unmanageably low viscosity of the saponified mass making it difficult to flow in a controlled manner through the hardware involved in the process. Disclosed is a process for making milled and plodded soap composition having at least 20 wt% moisture said process comprising a step of saponification of oil or fatty acids in the presence of added water wherein at least 60 % of added water is added before or simultaneously with said saponification.

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

(19) INDIA

(22) Date of filing of Application :09/01/2015

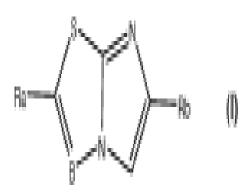
(43) Publication Date : 16/10/2015

## (54) Title of the invention : IMIDAZO[2 1 B]THIAZOLE DERIVATIVES THEIR PREPARATION AND USE AS MEDICAMENTS

(32) Priority Date:04/07/2012A(33) Name of priority country:EPOBarc(86) International Application No:PCT/EP2013/064113(72)Filing Date:04/07/20131)A(87) International Publication No:WO 2014/0061302)I(61) Patent of Addition to:NA3)M	<ul> <li>)Name of Applicant :</li> <li>)LABORATORIOS DEL DR. ESTEVE S.A.</li> <li>Address of Applicant :Avda. Mare de Deu de Montserrat 221 E 08041</li> <li>rcelona Spain</li> <li>?)Name of Inventor :</li> <li>)ALCALDE PAIS Mara de las Ermitas</li> <li>)D • AZ FERN • NDEZ Jos Lus</li> <li>)MESQUIDA ESTEVEZ Mara de les Neus</li> <li>)PALOMA ROMEU Laura</li> </ul>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

(57) Abstract :

The present invention relates to new imidazo[2 1 b]thiazole derivatives (I) having a great affinity for sigma receptors especially sigma 1 receptors as well as to the process for the preparation thereof to compositions comprising them and to their use as medicaments.



No. of Pages : 54 No. of Claims : 19

(22) Date of filing of Application :08/01/2015

(21) Application No.62/MUMNP/2015 A

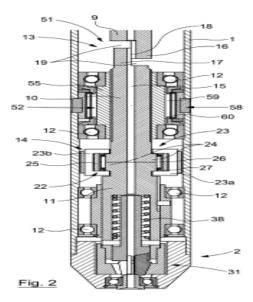
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : BLIND RIVETING APPARATUS AND METHODS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:B21J15/02B21J15/26F16D27/112 :1212538.1 :13/07/2012 :U.K.	<ul> <li>(71)Name of Applicant :</li> <li>1)HENROB LIMITED</li> <li>Address of Applicant :Second Avenue Zone 2 Deeside Industrial Park</li> <li>Flintshire Cheshire CH5 2NX U.K.</li> </ul>
(86) International Application No	:PCT/GB2013/051875	(72)Name of Inventor :
Filing Date	:12/07/2013	1)BLACKET Stuart Edmund
(87) International Publication No	:WO 2014/009753	2)GOSTYLLA Wojciech
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Numbe	r:NA	
Filing Date	:NA	

(57) Abstract :

A blind riveting apparatus (1) comprises a motor (3) and a clamp (31) for gripping the mandrel of a blind rivet the clamp being movable substantially along the axis of the rivet. The apparatus further comprises a first transmission (51) configured to transfer rotary motion of the motor (3) to the clamp (31) when engaged; and a second transmission (52) configured to convert rotary motion of the motor (3) to linear motion of the clamp (31) and thereby retract the clamp (31) to pull on the mandrel when engaged. A transmission control apparatus is arranged to selectively adjust the degree of engagement of at least one of the first (51) and second (52) transmissions the transmission control apparatus comprising a variable influence brake or clutch (58). Methods of blind riveting and further pieces of blind riveting apparatus are also disclosed.



No. of Pages : 83 No. of Claims : 54

(22) Date of filing of Application :02/01/2015

(21) Application No.8/MUMNP/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : BRIGHT DETERGENT COMPOSITION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:12176666.1 :17/07/2012 :EPO :PCT/EP2013/064985 :16/07/2013 :WO 2014/012921 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)UNILEVER PLC</li> <li>Address of Applicant : a company registered in England and Wales</li> <li>under company no. 41424 of Unilever House 100 Victoria Embankment</li> <li>London Greater London EC4Y 0DY U.K.</li> <li>(72)Name of Inventor :</li> <li>1)BATCHELOR Stephen Norman</li> <li>2)BIRD Jayne Michelle</li> </ul>
		· · ·
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A coloured laundry detergent is provided that brightens on exposure to light.

No. of Pages : 17 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :12/01/2015

#### (21) Application No.80/MUMNP/2015 A

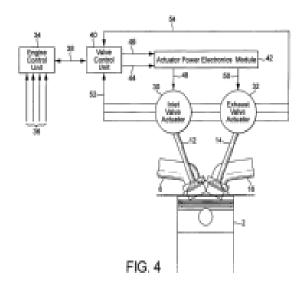
(43) Publication Date : 16/10/2015

# (54) Title of the invention : VALVE CONTROL SYSTEM FOR INTERNAL COMBUSTION ENGINES AND METHOD OF OPERATION THEREOF

(51) International classification	:F02D41/06F02D41/24F02D41/00	(71)Name of Applicant :
(31) Priority Document No	:1213945.7	1)CAMCON AUTO LIMITED
(32) Priority Date	:06/08/2012	Address of Applicant :St Johns Innovation Centre Cowley Road
(33) Name of priority country	:U.K.	Cambridge Cambridgeshire CB4 0WS U.K.
(86) International Application No	:PCT/GB2013/052095	(72)Name of Inventor :
Filing Date	:06/08/2013	1)STONE Roger Derrick
(87) International Publication No	:WO 2014/023949	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	r :NA	
Filing Date	:NA	

(57) Abstract :

A valve control system for an internal combustion engine the engine having at least one cylinder (4) with at least one intake or exhaust valve (12 14) and a piston (2) and the valve being operable independently of the rotation of the engine crankshaft. The system is configured to generate a control signal that controls a preconditioning actuation cycle of an actuator (30 32) prior to a first combustion cycle of the engine receive a feedback signal (52 54) relating to an operating condition of the actuator during the preconditioning actuation cycle and generate a modified control signal (44 46) that controls a combustion actuation cycle of the actuator modified with reference to the feedback signal. This recalibration of the valve control signals allows the current operating conditions of the valve train to be taken into account before the first combustion cycle of the engine.



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

(22) Date of filing of Application :09/01/2015

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : METHOD AND APPARATUS OF INTER VIEW SUB PARTITION PREDICTION IN 3D VIDEO CODING

(51) International classification (31) Priority Document No	:H04N13/00H04N7/26 :61/669364	(71)Name of Applicant : 1)MEDIATEK INC.
(32) Priority Date	:09/07/2012	Address of Applicant :No. 1 Dusing Road 1st Science Based
(33) Name of priority country	:U.S.A.	Industrial Park Hsin Chu Taiwan 300 China
(86) International Application No	:PCT/CN2013/078391	(72)Name of Inventor :
Filing Date	:28/06/2013	1)WU Chi Ling
(87) International Publication No	:WO 2014/008817	2)CHANG Yu Lin
(61) Patent of Addition to Application Number	:NA	3)TSAI Yu Pao
Filing Date	:NA	4)LEI Shaw Min
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

A method and apparatus for three dimensional video encoding or decoding using sub block based inter view prediction are disclosed. The method partitions a texture block into texture sub blocks and determines disparity vectors of the texture sub blocks. The inter view reference data is derived based on the disparity vectors of the texture sub blocks and a reference texture frame in a different view. The inter view reference data is then used as prediction of the current block for encoding or decoding. One aspect of the present invention addresses partitioning the current texture block. Another aspect of the present invention addresses derivation of disparity vectors for the current texture sub blocks.

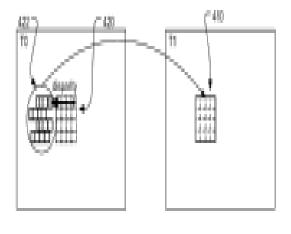


Fig.4

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

(22) Date of filing of Application :26/12/2014

(21) Application No.2638/MUMNP/2014 A

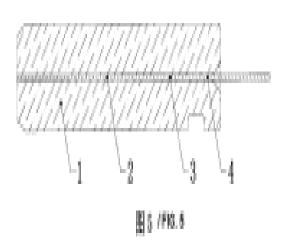
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : CERAMIC FERRULE

(51) International classification (31) Priority Document No	:C04B35/48C04B35/50C04B35/505 :NA	
(32) Priority Date	:NA	1)CHAOZHOU THREE CIRCLE (GROUP) CO.LTD. Address of Applicant :YANG Gebing Sanhuan Ind.Dis. Fengtang
(33) Name of priority country	:NA	Chaozhou Guangdong 515646 China China
(86) International Application No	:PCT/CN2012/077271	2)NANCHONG THREE CIRCLE ELECTRONICS CO. LTD.
Filing Date	:20/06/2012	(72)Name of Inventor :
(87) International Publication No	:WO 2013/189053	1)ZHENG Zhenhong
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)WANG Zhanhui
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to the technical field of preparation of advanced ceramic materials and meanwhile to the technical field of optical communications and in particular to a zirconia based ceramic ferrule compositely doping with rare earth elements such as yttrium and cerium. By doping the rare earth elements such as yttrium and cerium to the zirconia based ceramic ferrule resistance to phase transformation of a zirconia material is enhanced precise structure is achieved reliability of a product is improved effectively and notable features such as high connecting quality fine anti aging performance high environmental adaptability and the like can be achieved. A field mounted optical fiber connector with the ferrule has the advantages: coaxial abutting of the optical fiber and better surface smoothness than a plastic product can be achieved the problem that a scraping is easy to be generated by using the plastic material to connect is solved anti aging performance is fine insertion wastage is low after optical fiber abutting return loss is high and connecting quality is fine.



No. of Pages : 12 No. of Claims : 5

(22) Date of filing of Application :26/12/2014

(21) Application No.2639/MUMNP/2014 A

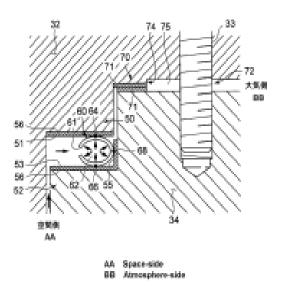
# (43) Publication Date : 16/10/2015

#### (54) Title of the invention : STEAM TURBINE FACILITY

(51) International classification	:F01D25/00F01D25/24F16J15/08	(71)Name of Applicant :
(31) Priority Document No	:2012-148725	1)MITSUBISHI HITACHI POWER SYSTEMS LTD.
(32) Priority Date	:02/07/2012	Address of Applicant :3 1 Minatomirai 3 Chome Nishi ku Yokohama
(33) Name of priority country	:Japan	shi Kanagawa 2208401 Japan Japan
(86) International Application No	:PCT/JP2012/082846	(72)Name of Inventor :
Filing Date	:18/12/2012	1)NISHIMOTO Shin
(87) International Publication No	:WO 2014/006778	2)HAMADA Katsuhisa
(61) Patent of Addition to Application	:NA	3)TANAKA Yoshinori
Number	:NA	4)SHINOHARA Tanehiro
Filing Date	.NA	5)AKAMATSU Tetsuro
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In order to provide a steam turbine facility wherein appropriate sealing can be provided between members formed of a Ni based alloy cast material at a steam temperature of 650°C or higher the parent material of both a first member (32) and a second member (34) in this steam turbine facility (1) is formed of a cast material comprising a Ni based alloy and/or austenitic steel and/or high chrome steel with the first member and second member (32) and the second member (34). The metal gasket (60 80) is in line contact with the first member (32) and the second member (34). The metal gasket (60 80) is in line contact with the first member (32) and the second member (34) at multiple locations. At least the portions of the first member (32) and the second member (34) which are in line contact with the metal gasket (60 80) are provided with a first high hardness layer (56) having a higher hardness than the parent material.



No. of Pages : 23 No. of Claims : 8

(22) Date of filing of Application :12/01/2015

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : CELL ID AND ANTENNA PORT CONFIGURATIONS FOR EPDCCH

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:H04L5/00H04B7/02H04L27/26 :61/682186 :10/08/2012 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM INCORPORATED</li> <li>Address of Applicant :ATTN: International IP Administration 5775</li> <li>Morehouse Drive San Diego California 92121 U.S.A.</li> </ul>
(86) International Application No Filing Date	:PCT/US2013/025919 :13/02/2013	(72)Name of Inventor : 1)GAAL Peter
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li><li>Number</li></ul>	:WO 2014/025382 :NA	2)CHEN Wanshi 3)XU Hao
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract :

A method of wireless communication is provided which includes determining a first cell identification (ID) for scrambling a first reference signal of a first enhanced physical downlink control channel (EPDCCH) and determining a second cell ID for scrambling a second reference signal of a second EPDCCH. The second cell ID is based at least in part on the first cell ID. The first reference signal and the second reference signal are mapped to a same set of resources. The method also includes transmitting the first EPDCCH and second EPDCCH.

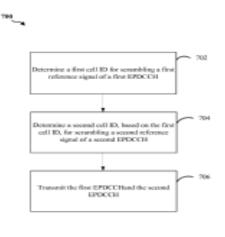


FIG. 7

No. of Pages : 39 No. of Claims : 32

(22) Date of filing of Application :19/01/2015

(21) Application No.140/MUMNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : STATUS OF TUBERCULOSIS INFECTION IN AN INDIVIDUAL

(51) International classification	:G01N33/569	(71)Name of Applicant :
(31) Priority Document No	:12176506.9	1)LIONEX GMBH
(32) Priority Date	:16/07/2012	Address of Applicant :Salzdahlumer Strae 196 38126 Braunschweig
(33) Name of priority country	:EPO	Germany
(86) International Application No	:PCT/EP2013/065002	(72)Name of Inventor :
Filing Date	:16/07/2013	1)SINGH Mahavir
(87) International Publication No	:WO 2014/012928	2)DELIOS Mario M.
(61) Patent of Addition to Application Number	:NA	3)DELLA BELLA Chiara
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In a first aspect the present invention relates to a method for diagnosing or determining the status of tuberculosis infection in an individual afflicted with or suspected to be afflicted with tuberculosis infection. In a further aspect a method for the stratification of the therapeutic regimen of an individual with tuberculosis infection is provided as well as a method for predicting a clinical outcome or determining treatment course in an individual afflicted with tuberculosis infection. Moreover the present invention provides a method for monitoring the change from latent into active status of tuberculosis infection or vice versa in an individual. Furthermore the present invention relates to a kit for use in diagnosing or detecting the status of tuberculosis infection as well as to Mycobacterium tuberculosis alanine dehydrogenase for use in specifically differentiating latent status from active diseases status of tuberculosis in an individual.

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

(22) Date of filing of Application :21/01/2015

(21) Application No.149/MUMNP/2015 A

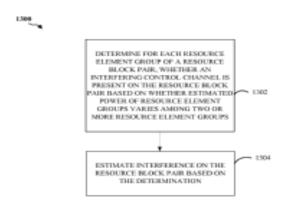
(43) Publication Date : 16/10/2015

(54) Title of the invention : INTERFERENCE ESTIMATION IN THE PRESENCE OF ENHANCED CONTROL CHANNEL TRANSMISSIONS

(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:61/676797	1)QUALCOMM INCORPORATED
(32) Priority Date	:27/07/2012	Address of Applicant : ATTN: International IP Administration 5775
(33) Name of priority country	:U.S.A.	Morehouse Drive San Diego California 92121 U.S.A.
(86) International Application No	:PCT/US2013/051085	(72)Name of Inventor :
Filing Date	:18/07/2013	1)MALLIK Siddhartha
(87) International Publication No	:WO 2014/018369	2)LUO Tao
(61) Patent of Addition to Application Number	:NA	3)YOO Taesang
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method of wireless communication is presented. The method includes determining for each resource element group of a resource block pair whether an interfering control channel is present on the resource block pair. The determination may be based on whether estimated power of the resource element groups varies among two or more resource element groups. The method also includes estimating the interference on the resource block pair based on the determination.





No. of Pages : 43 No. of Claims : 26

(22) Date of filing of Application :12/01/2015

(21) Application No.75/MUMNP/2015 A

(43) Publication Date : 16/10/2015

### (54) Title of the invention : PREDICTING THE USAGE OF DOCUMENT RESOURCES

(51) International classification	:G06F17/30	(71)Name of Applicant :
(31) Priority Document No	:61/684002	1)QUALCOMM INCORPORATED
(32) Priority Date	:16/08/2012	Address of Applicant :Attn: International IP Administration 5775
(33) Name of priority country	:U.S.A.	Morehouse Drive San Diego California 92121 U.S.A.
(86) International Application No	:PCT/US2013/046110	(72)Name of Inventor :
Filing Date	:17/06/2013	1)WEBER Michael
(87) International Publication No	:WO 2014/028116	2)ORTEGO Pablo Montesinos
(61) Patent of Addition to Application Number	:NA	3)FOWLER Mark S.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

Browser systems and methods of loading/rendering a webpage include preprocessing the web document (HTML page) using speculation/prediction techniques to identify the resources that are likely to be required from an incomplete set of information and requesting/pre fetching the resources that are determined to have a high probability of being required for proper rending of the web document. The speculation/prediction techniques may include the use of heuristics to improve the efficiency and speed of document loads and network communications.

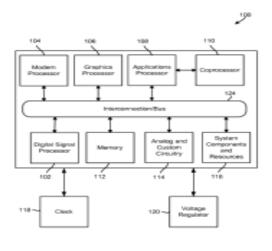


FIG. 1

No. of Pages : 100 No. of Claims : 32

(22) Date of filing of Application :08/01/2015

(21) Application No.60/MUMNP/2015 A

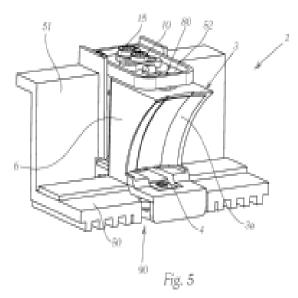
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : LIGHTING DEVICE FOR A MOTOR VEHICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:F21S8/10B60Q1/068F21V17/02 :A 50278/2012 :11/07/2012 :Austria :PCT/AT2013/050129 :25/06/2013 :WO 2014/008523 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ZIZALA LICHTSYSTEME GMBH Address of Applicant :Scheibbser Strae 17 A 3250 Wieselburg Austria</li> <li>(72)Name of Inventor :</li> <li>1)KRENN Irmgard</li> <li>2)HAUER Clemens</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a lighting device (1) for a motor vehicle comprising at least one for example two or more light units (2) wherein each light unit (2) comprises: a reflector (3) and at least one light source (4) associated with the reflector (3) wherein light from the at least one light source (4) is radiated via the associated reflector (3) in the installed state of the lighting device (1) into a region in front of the vehicle and the light source(s)(4) are arranged preferably fixedly arranged on at least one mounting body (5) preferably on a common mounting body (5). According to the invention the reflector (3) of the at least one light unit (2) in the case of two or more light units (2) at least one reflector (3) preferably two or more reflectors (3) of two or more light units (2) more especially all reflectors (3) is/are mounted on the at least one mounting body (5) so as to pivot about at least one axis associated with the respective reflector (3) for example a vertical axis (Z) and can be fixed in a pivoted position.



No. of Pages : 42 No. of Claims : 31

#### (19) INDIA

(22) Date of filing of Application :13/01/2015

(21) Application No.87/MUMNP/2015 A

(43) Publication Date : 16/10/2015

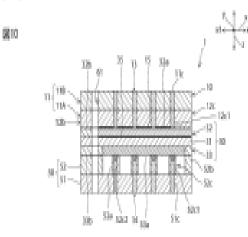
# (54) Title of the invention : FUEL CELL

(51) International classification	:H01M8/02H01M4/86H01M8/12	(71)Name of Applicant :
(31) Priority Document No	:2012173074	1)MURATA MANUFACTURING CO. LTD.
(32) Priority Date	:03/08/2012	Address of Applicant :10 1 Higashikotari 1 chome Nagaokakyo shi
(33) Name of priority country	:Japan	Kyoto 6178555 Japan
(86) International Application No	:PCT/JP2013/070982	(72)Name of Inventor :
Filing Date	:02/08/2013	1)TAKATA Kazuhide
(87) International Publication No	:WO 2014/021446	
(61) Patent of Addition to Application	:NA	
Number	:NA :NA	
Filing Date	INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is a fuel cell which has excellent reliability. A fuel cell in which: an air electrode (32a) is formed on one surface of a solid oxide electrolyte layer (31) and a fuel electrode (33a) is formed on the other surface; a separator (11) is arranged on the air electrode (32a); and an intermediate layer (15) is disposed between a separator main body (11A) of the separator (11) and the air electrode (32a) for the purpose of suppressing diffusion of a constituent element of the air electrode (32a) into the separator main body (11A).

 $(\mathbf{y}|\mathbf{x})$ 



No. of Pages : 40 No. of Claims : 10

(22) Date of filing of Application :16/01/2015

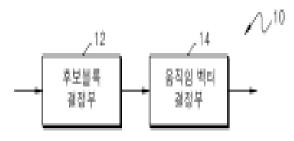
(43) Publication Date : 16/10/2015

# (54) Title of the invention : METHOD AND APPARATUS FOR PREDICTING MOTION VECTOR FOR CODING VIDEO OR DECODING VIDEO

(51) International classification	:H04N7/36	(71)Name of Applicant :
(31) Priority Document No	:61/667133	1)SAMSUNG ELECTRONICS CO. LTD.
(32) Priority Date	:02/07/2012	Address of Applicant :129 Samsung ro Yeongtong gu Suwon si
(33) Name of priority country	:U.S.A.	Gyeonggi do 443 742 Republic of Korea
(86) International Application No	:PCT/KR2013/005866	(72)Name of Inventor :
Filing Date	:02/07/2013	1)KIM II koo
(87) International Publication No	:WO 2014/007521	
(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 method for predicting a motion vector for coding a video or decoding a video and an apparatus for same. Disclosed is a method comprising: determining a plurality of candidate blocks which are referenced for predicting the motion vector of a current block from among neighboring blocks of the current block; determining a candidate motion vector of a first candidate block on the basis of whether each of a reference picture of the first candidate block from among the plurality of candidate blocks and a reference picture of the current block is a long term reference picture; including the candidate motion vector of the first candidate block that is determining; and determining the motion vector of the current block by using a candidate motion vector list which includes candidate motion vectors of remaining candidate blocks.



12 ... Candidate block determining unit

14 ... Notion vector determining unit

No. of Pages : 93 No. of Claims : 15

(22) Date of filing of Application :02/01/2015

(21) Application No.4/MUMNP/2015 A

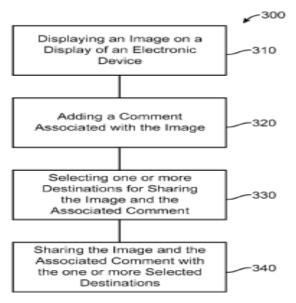
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : ADD SOCIAL COMMENT KEEPING PHOTO CONTEXT

(51) International classification (31) Priority Document No	:G06Q50/30 :61/657594	(71)Name of Applicant : 1)SAMSUNG ELECTRONICS CO. LTD.
(32) Priority Date	:08/06/2012	Address of Applicant :129 Samsung ro Yeongtong gu Suwon si
(33) Name of priority country	:U.S.A.	Gyeonggi do 443 742 Republic of Korea Republic of Korea
(86) International Application No Filing Date	:PC1/KR2013/005051 :07/06/2013	(72)Name of Inventor : 1)KIM Byoung ju
(87) International Publication No	:WO 2013/183968	2)ALVAREZ Jesse
(61) Patent of Addition to Application Number	:NA	3) DESAI Prashant
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract :

A method of sharing image comments comprises displaying an image on a display of an electronic device adding a comment associated with the image selecting one or more destinations for sharing the image and the associated comment and sharing the image and the associated comment with the one or more selected destinations.



No. of Pages : 27 No. of Claims : 33

(22) Date of filing of Application :05/01/2015

(21) Application No.27/MUMNP/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : MODIFIED FIBRONECTIN FRAGMENTS OR VARIANTS AND USES THEREOF

:C12P21/06	(71)Name of Applicant :
:61/656671	1)DCB USA LLC
:07/06/2012	Address of Applicant :1007 North Orange Street 9th Floor New
:U.S.A.	Castle County Wilmington DE 19801 U.S.A.
:PCT/US2013/044699	2)NATIONAL CHENG KUNG UNIVERSITY
:07/06/2013	(72)Name of Inventor :
:WO 2013/185027	1)CHUANG Woei Jer
:NA	2)YUNG SHENG Chang
:NA	
:NA	
:NA	
	:61/656671 :07/06/2012 :U.S.A. :PCT/US2013/044699 :07/06/2013 :WO 2013/185027 :NA :NA :NA

(57) Abstract :

The present invention provides isolated polypeptides comprising a modified fibronectin fragment that comprises FNIII 10 and optionally further comprising FNIII 9. Also provided are pharmaceutical compositions comprising the polypeptides and methods of making and using the polypeptides.

No. of Pages : 85 No. of Claims : 73

(22) Date of filing of Application :13/01/2015

(21) Application No.88/MUMNP/2015 A

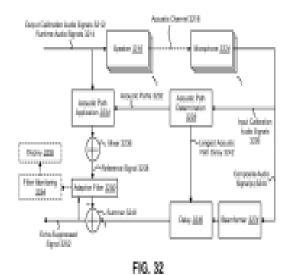
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : SYSTEMS AND METHODS FOR SURROUND SOUND ECHO REDUCTION

(51) International classification	:H04R3/00H04B3/20	(71)Name of Applicant :
(31) Priority Document No	:61/667249	1)QUALCOMM INCORPORATED
(32) Priority Date	:02/07/2012	Address of Applicant :ATTN: INTERNATIONAL IP
(33) Name of priority country	:U.S.A.	ADMINISTRATION 5775 Morehouse Drive San Diego California 92121
(86) International Application No	:PCT/US2013/049055	U.S.A.
Filing Date	:02/07/2013	(72)Name of Inventor :
(87) International Publication No	:WO 2014/008253	1)MOHAMMAD Asif I.
(61) Patent of Addition to Application Number	:NA	2)KIM Lae Hoon
Filing Date	:NA	3)VISSER Erik
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

A method for echo reduction by an electronic device is described. The method includes nulling at least one speaker. The method also includes mixing a set of runtime audio signals based on a set of acoustic paths to determine a reference signal. The method also includes receiving at least one composite audio signal that is based on the set of runtime audio signals. The method further includes reducing echo in the at least one composite audio signal based on the reference signal.



No. of Pages : 163 No. of Claims : 64

(22) Date of filing of Application :08/01/2015

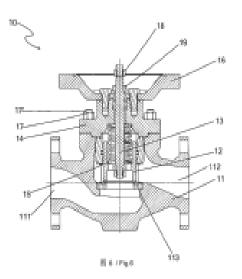
(21) Application No.57/MUMNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : VALVE AND METHOD FOR VALVE SPRING PRELOAD

(57) Abstract :

A valve (10) comprising a valve body (11) a valve bonnet (14) and a valve stem (13). The valve bonnet is coupled to the valve body; the lower extremity of the valve stem is coupled to the bottom of the valve body while the upper extremity of the valve stem extends through the top of the valve body. The valve also comprises a valve spring (15) arranged upon the stem and positioned below the valve bonnet. The valve also comprises: a first element (18) threadably connected to the upper extremity of the valve stem; a second element (19) sleeved upon the upper extremity of the valve stem and positioned between said first element and said valve bonnet said second element compressing the valve spring when the valve bonnet is mounted upon the valve body.



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

(22) Date of filing of Application :09/01/2015

(21) Application No.63/MUMNP/2015 A

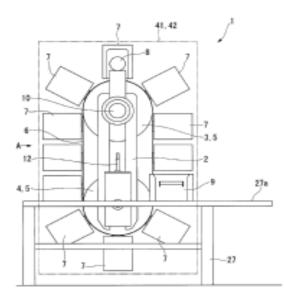
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : PAPER SUPPLY DEVICE REFINING SYSTEM AND SLUDGE DEWATERING SYSTEM

(51) International classification	:B65G17/12B01J20/24B65G17/44	(71)Name of Applicant .
(31) Priority Document No	:2012-179733	1)MITSUBISHI HEAVY INDUSTRIES ENVIRONMENTAL &
(32) Priority Date	:14/08/2012	CHEMICAL ENGINEERING CO. LTD.
(33) Name of priority country	:Japan	Address of Applicant :4 2 Minatomirai 4 chome Nishi ku Yokohama
(86) International Application No	:PCT/JP2013/071680	shi Kanagawa 2200012 Japan
Filing Date	:09/08/2013	(72)Name of Inventor :
(87) International Publication No	:WO 2014/027623	1)SHIROTA Hirofumi
(61) Patent of Addition to Application	:NA	2)CHO Katsumi
Number	:NA :NA	3)SUGANO Minoru
Filing Date	.INA	4)ZENBA Masahiro
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is a paper supply device (1) for supplying paper multiple times in a fixed quantity the paper supply device (1) being provided with: multiple paper holding sections (7) which are cylindrical and into which a fixed quantity of stacked paper can be inserted from an opening at the end; an endless belt (6) on the outer surface of which the multiple paper holding sections are secured; a drive means (10) for running the endless belt (6); and a discharge means (8) which is provided at a specified position in the circumferential direction of the endless belt (6) and is for extruding the paper held in the paper holding sections (7) from the openings at the ends in the stacked state.



No. of Pages : 36 No. of Claims : 8

(22) Date of filing of Application :12/01/2015

(21) Application No.82/MUMNP/2015 A

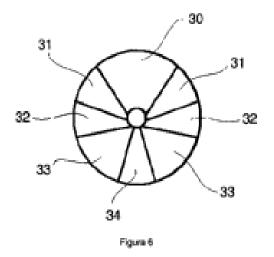
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : MIXED HELIOSTAT FIELD

(51) International classification	:F24J2/10F24J2/07	(71)Name of Applicant :
(31) Priority Document No	:P201200654	1)ABENGOA SOLAR NEW TECHNOLOGIES S.A.
(32) Priority Date	:19/06/2012	Address of Applicant :C/ Energa Solar 1 41014 Sevilla Spain
(33) Name of priority country	:Spain	(72)Name of Inventor :
(86) International Application No	:PCT/ES2013/000149	1)SERRANO GALLAR Luca
Filing Date	:18/06/2013	2)Nš'EZ BOOTELLO Juan Pablo
(87) International Publication No	:WO 2013/190154	3)CERN GARC • A Francisco Jos
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

The invention relates to a mixed heliostat field combining in the same field heliostats of different sizes and/or with different types of facets all of them having at least one facet and being canted or not and either having spherical cylindrical flat or quasi flat (spherical with a high curvature radius) facets such that the solar field is optimised in order to minimise shadows and blockages between heliostats as a result of correct positioning of the heliostats in the field.



No. of Pages : 24 No. of Claims : 25

(19) INDIA

(22) Date of filing of Application :13/01/2015

(43) Publication Date : 16/10/2015

# (54) Title of the invention : COMPOSITIONS FOR A MEDICAL DEVICE COMPRISING EXOPOLYSACCHARIDE PRODUCING BACTERIAL STRAINS IN ASSOCIATION WITH GUMS AND/OR GELATINES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:A61K35/74A61K8/73A61K31/7024 :MI2012A001328 :30/07/2012 :Italy :PCT/IB2013/001668 :30/07/2013 :WO 2014/020408 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)PROBIOTICAL S.P.A.</li> <li>Address of Applicant :Via Mattei 3 28100 Novara NO Italy</li> <li>(72)Name of Inventor :</li> <li>1)MOGNA Giovanni</li> </ul>
	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract :

The present invention relates to a composition for a medical device comprising a specific mucoadherent gelling complex composed of EPS exopolysaccharides of bacterial origin produced in situ in the gastrointestinal tract by specific selected bacterial strains in association with vegetable gums and/or animal and/or vegetable gelatines. Said complex is capable of establishing a complete barrier effect of a mechanical type extending throughout the whole gastrointestinal tract and can be used as a medication for the prevention and treatment of all pathologies connected to a deficiency in the barrier effect in the gastrointestinal area due to a low production of mucus such as by way of non exhaustive example intestinal permeability and bacterial translocation.

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

(22) Date of filing of Application :02/01/2015

(21) Application No.7/MUMNP/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : TOOTH WHITENING ORAL CARE COMPOSITION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)UNILEVER PLC</li> <li>Address of Applicant :Unilever House 100 Victoria Embankment</li> <li>London Greater London EC4Y 0DY U.K.</li> <li>(72)Name of Inventor :</li> <li>1)DENG Yan</li> </ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:WO 2014/009099 :NA :NA :NA :NA	2)DING Guanjun 3)LI Xiaoke

(57) Abstract :

An oral care composition is disclosed comprising a particles and a physiologically acceptable carrier. The particles have a refractive index of at least 1.9 and an isoelectric point of greater than pH 6.5. Also disclosed are methods and uses for whitening teeth employing such particles.

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

(22) Date of filing of Application :12/01/2015

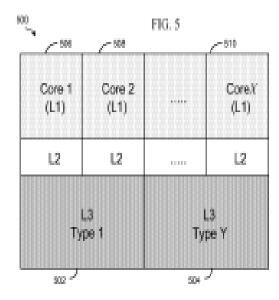
(43) Publication Date : 16/10/2015

# (54) Title of the invention : TUNABLE MULTI TIERED STT MRAM CACHE FOR MULTI CORE PROCESSORS

(51) International classification:G06F15/78(31) Priority Document No:13/571426(32) Priority Date:10/08/2012(33) Name of priority country:U.S.A.(86) International Application No:PCT/US20Filing Date:07/08/2013(87) International Publication No:WO 2014/0(61) Patent of Addition to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NAFiling Date:NA	Address of Applicant :Attn: International IP Administration 5775 Morehouse Drive San Diego California 92121 U.S.A. (72)Name of Inventor : 1)KANG Seung H.
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------

<sup>(57)</sup> Abstract :

A multi core processor is presented. The multi core processor includes a first spin transfer torque magnetoresistive random access memory (STT MRAM) cache associated with a first core of the multi core processor and tuned according to first attributes and a second STT MRAM cache associated with a second core of the multi core processor and tuned according to second attributes.



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

(22) Date of filing of Application :14/01/2015

(21) Application No.95/MUMNP/2015 A

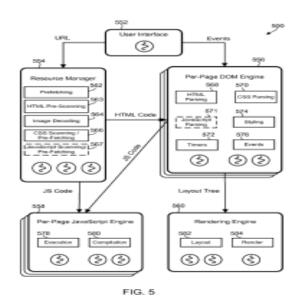
(43) Publication Date : 16/10/2015

# (54) Title of the invention : PRE PROCESSING OF SCRIPTS IN WEB BROWSERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:G06F9/445G06F17/30 :61/683999 :16/08/2012 :U.S.A. :PCT/US2013/046099 :17/06/2013 :WO 2014/028115 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM INCORPORATED Address of Applicant :Attn: International IP Administration 5775 Morehouse Drive San Diego California 92121 U.S.A. (72)Name of Inventor : 1)WEBER Michael 2)RESHADI Mohammed H. 3)CASCAVAL Gheorghe C.</li></ul>
(61) Patent of Addition to Application Number	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA :NA	

# (57) Abstract :

The aspects include browser systems and methods of loading/rendering a webpage by processing the web document (HTML page) in parallel. A scanner process scans the web document identifies scripts and initiates the downloading of the scripts. As the scripts are downloaded an HTML parser generates an identifier for each script and the sends the scripts and associated identifiers to a script engine. The script engine parses analyzes compiles and otherwise prepares the scripts for execution in an order that may be different than the execution order of the scripts.



No. of Pages : 100 No. of Claims : 42

(22) Date of filing of Application :07/01/2015

(21) Application No.45/MUMNP/2015 A

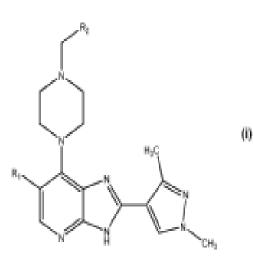
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : PHARMACEUTICALLY ACTIVE COMPOUNDS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:PCT/GB2013/051633 :21/06/2013	<ul> <li>(71)Name of Applicant :</li> <li>1)CANCER RESEARCH TECHNOLOGY LIMITED Address of Applicant :Angel Building 407 St John Street London EC1V 4AD U.K. U.K.</li> <li>(72)Name of Inventor :</li> <li>1)BLAGG Julian</li> <li>2)BAVETSIAS Vassilios</li> <li>3)MOORE Andrew S.</li> <li>4)LINARDOPOULOS Spyridon</li> </ul>
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(57) Abstract :

The present invention relates to compounds of formula I: wherein R and R are as defined herein or a pharmaceutically acceptable salt or solvate thereof. The compounds of formula I are inhibitors of aurora kinase and/or FLT3. The present invention also relates to processes for the preparation of these compounds to pharmaceutical compositions comprising them and to their use in the treatment of proliferative disorders such as cancer as well as other diseases or conditions in which aurora kinase and/or FLT3 activity is implicated.



No. of Pages : 44 No. of Claims : 12

(22) Date of filing of Application :08/01/2015

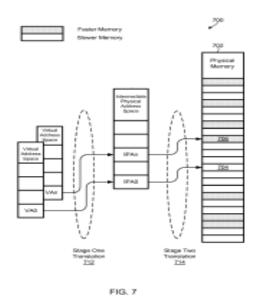
(43) Publication Date : 16/10/2015

# (54) Title of the invention : METHODS SYSTEMS AND DEVICES FOR HYBRID MEMORY MANAGEMENT

(32) Priority Date:07/08/2012Addr(33) Name of priority country:U.S.A.Morehou(86) International Application No:PCT/US2013/045685(72)NamFiling Date:13/06/20131)KOT(87) International Publication No:WO 2014/0254542)RAM(61) Patent of Addition to Application·NA3)JAL	me of Applicant : UALCOMM INCORPORATED dress of Applicant :Attn: International IP Administration 5775 ouse Drive San Diego California 92121 U.S.A. me of Inventor : OTTILINGAL Sudeep Ravi MASWAMY Ramesh LIL Suhail OUZNI Azzedine
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(57) Abstract :

In the various aspects virtualization techniques may be used to improve performance and reduce the amount of power consumed by translating virtual memory addresses into physical addresses on a computing system having hybrid memory. In a first stage of memory translation (712) an operating system translates virtual addresses to intermediate physical addresses. In a second stage of memory translation (714) a chip or virtualization software translates the intermediate physical addresses based on the characteristics of the physical memory (702) and the characteristics of the processes associated with the physical memory.



No. of Pages : 71 No. of Claims : 104

(22) Date of filing of Application :09/01/2015

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : SORBENTS FOR REMOVAL OF MERCURY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:B01J20/00B01D53/64B01D53/02 :61/658258 :11/06/2012 :U.S.A. :PCT/US2013/045061	<ul> <li>(71)Name of Applicant :</li> <li>1)CALGON CARBON CORPORATION Address of Applicant :500 Calgon Carbon Drive Pittsburgh Pennsylvania 15205 U.S.A.</li> <li>(72)Name of Inventor :</li> </ul>
Filing Date	:11/06/2013	1)TRAMPOSCH Walter G.
(87) International Publication No	:WO 2013/188327	2)MIMNA Richard A.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	r :NA	
Filing Date	:NA	

(57) Abstract :

Methods and systems for reducing mercury emissions from fluid streams are provided herein as are adsorbent materials having high volumetric iodine numbers.

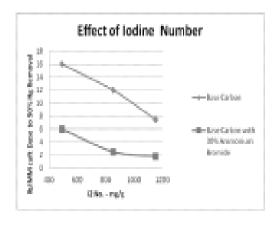


FIG.1

No. of Pages : 21 No. of Claims : 60

(22) Date of filing of Application :23/12/2014

(21) Application No.4127/MUM/2014 A

# (43) Publication Date : 16/10/2015

(54) Title of the invention : OPTICAL LENS AND MOBILE TERMINAL		
(51) International classification	:G02B1/11	(71)Name of Applicant :
(31) Priority Document No	:102147782	1)LARGAN PRECISION CO. LTD.
(32) Priority Date	:23/12/2013	Address of Applicant :No.11 Jingke Rd. Nantun Dist. Taichung City
(33) Name of priority country	:Taiwan	408 Taiwan R.O.C. Taiwan
(86) International Application No	:PCT//	(72)Name of Inventor :
Filing Date	:01/01/1900	1)Kuo-Chiang CHU
(87) International Publication No	: NA	2)Chien-Pang CHANG
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Abstract :		•

TITLE.: OPTICAL LENS AND MOBILE TERMINAL An optical lens includes a lens barrel an optical lens system and an anti-reflection film. The lens barrel is made of black plastic material. The optical lens system is located inside the lens barrel. The anti-reflection film is located on an object-side outer surface of the lens barrel.

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

(22) Date of filing of Application :23/12/2014

(21) Application No.4129/MUM/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : UNIVERSAL SCRIPT INPUT DEVICE & METHOD

:F16D 3/00	(71)Name of Applicant :
:14/142909	1)MLGtext Inc.
:29/12/2013	Address of Applicant :72 John Street West Waterloo ON N2L1B6
:U.S.A.	Canada Canada
:PCT// /	(72)Name of Inventor :
:01/01/1900	1)Nicolas Jones
: NA	2)Michael Goodgoll
:NA	
:NA	
:NA	
:NA	
	:14/142909 :29/12/2013 :U.S.A. :PCT// / :01/01/1900 : NA :NA :NA :NA

<sup>(57)</sup> Abstract :

UNIVERSAL SCRIPT INPUT DEVICE & METHOD A method providing for input of any script/language on any computing device mobile or otherwise by conveying Unicode characters to the computing device instead of keyboard scan codes that require further processing. The method includes all script/language processing independent from the computing device permits changing input script/language on-the-fly • provides for a universal platform-independent method to select each particular script/language and requires no language-specific support on the computing device other than the ability to display the selected script. The method also provides for input of commands and backward-compatible input using legacy keyboard key codes.

No. of Pages : 78 No. of Claims : 20

(22) Date of filing of Application :12/01/2015

(21) Application No.83/MUMNP/2015 A

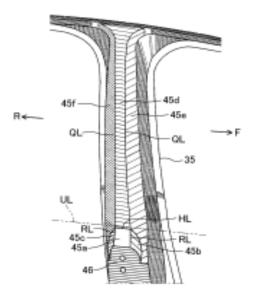
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : VEHICLE BODY SIDE PART STRUCTURE

(51) International classification	:B62D25/04	(71)Name of Applicant :
(31) Priority Document No	:2012168769	1)MAZDA MOTOR CORPORATION
(32) Priority Date	:30/07/2012	Address of Applicant :3 1 Shinchi Fuchu cho Aki gun Hiroshima
(33) Name of priority country	:Japan	7308670 Japan
(86) International Application No	:PCT/JP2013/001132	(72)Name of Inventor :
Filing Date	:26/02/2013	1)SHINODA Masafumi
(87) International Publication No	:WO 2014/020784	2)TSUJI Masakazu
(61) Patent of Addition to Application Number	:NA	3)IKEDA Toshiharu
Filing Date	:NA	4)NISHIMURA Yoshikazu
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

<sup>(57)</sup> Abstract :

An observer is prevented from noticing a difference in color tone or texture even when paint mist becomes attached to a center pillar (3) at the time of painting a vehicle body outer panel portion. An outer panel (35) of the center pillar (3) includes a bulge in at least a part of the panel surface on the lower side protruding outside the vehicle body at the center in the up down direction compared to the upper side. A starting end (HL) of the bulge is positioned at substantially the same height as an upper edge line (UL) of a door body part at least at the center of the pillar width.



No. of Pages : 35 No. of Claims : 5

(22) Date of filing of Application :09/01/2015

(21) Application No.70/MUMNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : POLYESTER CO PHOSPHONATES

(51) International classification	:C08G63/692C08G63/16C08G63/78	(71)Name of Applicant :
(31) Priority Document No	:61/666005	1)FRX POLYMERS INC.
(32) Priority Date	:29/06/2012	Address of Applicant :200 Turnpike Road Chelmsford Massachusetts
(33) Name of priority country	:U.S.A.	01824 U.S.A.
(86) International Application No	:PCT/US2013/048892	(72)Name of Inventor :
Filing Date	:01/07/2013	1)KAGUMBA Lawino
(87) International Publication No	:WO 2014/005136	2)LEBEL Marc Andre
(61) Patent of Addition to	.NT A	3)LENS Jan Pleun
Application Number	:NA	4)JEONG Youmi
Filing Date	:NA	
(62) Divisional to Application	.NT A	
Number	:NA	
Filing Date	:NA	

(57) Abstract :

Polyester co polyphosphonates including of phosphonates covalently incorporated with polyesters and methods for making such polyester co polyphosphonates are described herein. The polyester co phosphonates and compositions prepared from these compounds exhibit an excellent combination of processing characteristics mechanical and fire resistant properties.

No. of Pages : 55 No. of Claims : 50

(22) Date of filing of Application :13/01/2015

(21) Application No.89/MUMNP/2015 A

# (43) Publication Date : 16/10/2015

#### (51) International classification :G06O50/22 (71)Name of Applicant : (31) Priority Document No :61/668941 1)NANT HOLDINGS IP LLC (32) Priority Date :06/07/2012 Address of Applicant :9920 Jefferson Boulevard Culver City (33) Name of priority country California 90232 U.S.A. :U.S.A. (86) International Application No :PCT/US2013/049383 (72)Name of Inventor : Filing Date :03/07/2013 1)SOON SHIONG Patrick (87) International Publication No :WO 2014/008434 (61) Patent of Addition to Application Number :NA Filing Date :NA

## (54) Title of the invention : HEALTHCARE ANALYSIS STREAM MANAGEMENT

:NA

:NA

(57) Abstract :

Filing Date

Apparatus systems and methods for pre processing analyzing and storing genomic data through a saclable distributed analysis system across a network are presented. One aspect of this invention includes a genomic analysis system to process genomic sequence data from many patients in parallel by using a sequencing device an analysis network and plurality of analysis nodes connected through the analysis network. The sequencing device interface can be configured to obtain sequencing data from many sequencing devices in parallel from image recognition programs of devices and/or one or more databases storing sequence information.

No. of Pages : 55 No. of Claims : 52

(62) Divisional to Application Number

(22) Date of filing of Application :06/01/2015

(21) Application No.38/MUMNP/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : TEMPERATURE STABLE VACCINE FORMULATIONS

(51) International classification	:A61K9/18	(71)Name of Applicant :
(31) Priority Document No	:61/664062	1)EMERGENT PRODUCT DEVELOPMENT GAITHERSBURG
(32) Priority Date	:25/06/2012	INC.
(33) Name of priority country	:U.S.A.	Address of Applicant :300 Professional Drive Gaithersburg Maryland
(86) International Application No	:PCT/US2013/047712	20879 U.S.A.
Filing Date	:25/06/2013	(72)Name of Inventor :
(87) International Publication No	:WO 2014/004578	1)LOOK Jee
(61) Patent of Addition to Application Number	:NA	2)RUIZ Christian Fernando
Filing Date	:NA	3)MILES Aaron Paul
(62) Divisional to Application Number	:NA	4)WELCH Richard William
Filing Date	:NA	

(57) Abstract :

Formulations of vaccine antigen such as anthrax protective antigen are provided that are stable after undergoing freeze and thaw conditions. Methods of using the formulations to prepare vaccine are also provided. Vaccines comprising the formulations are useful for example to protect against inhibit or alleviate a disease or infection such as related to anthrax infection.

No. of Pages : 86 No. of Claims : 50

(22) Date of filing of Application :07/01/2015

(21) Application No.47/MUMNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : PLASMINOGEN ACTIVATOR MUTANTS AS ANTI FIBRINOLYTIC AGENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:61/668172 :05/07/2012 :U.S.A. :PCT/IL2013/050559 :02/07/2013 :WO 2014/006613 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)HADASIT MEDICAL RESEARCH SERVICES &amp;</li> <li>DEVELOPMENT LIMITED <ul> <li>Address of Applicant :P.O. Box 12000 Kiryat Hadassah 91120</li> </ul> </li> <li>Jerusalem Israel Israel</li> <li>(72)Name of Inventor : <ul> <li>1)HIGAZI Abd</li> <li>2)HIJAZI Nuha</li> </ul> </li> </ul>
		2)HIJAZI Nuha
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to an anti fibrinolytic composition comprising at least one tPA mutant that carries at least one point mutation substituting Ser to Ala on tPA said mutant inhibits the fibrinolytic activity of at least one of tPA and uPA and therefore may be used for treating disorders associated with fibrinolytic processes specifically coagulopathies thrombocytopenia and bleeding. The invention further provides methods and uses of the mutants of the invention.

No. of Pages : 110 No. of Claims : 35

(22) Date of filing of Application :09/01/2015

(21) Application No.71/MUMNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : A METHOD FOR FORMING A JOINT USING A SELF PIERCING RIVET

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:B21J15/02B21J15/36F16B5/04 :1212631.4 :16/07/2012 :U.K. :PCT/GB2013/051879 :15/07/2013 :WO 2014/013232 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)HENROB LIMITED Address of Applicant :Second Avenue Zone 2 Deeside Industrial Park Deeside Flintshire CH5 2NX U.K. U.K. (72)Name of Inventor : 1)TRINICK Russell John</li></ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A joint is formed in a stack of at least two sheets of light metal alloy using a self piercing rivet that is fully hollow. The rivet is coated at least along a portion of its bore by a lubricant and pierces the upper surface thereof and such that the shank deforms outwardly to interlock with the material but without penetration to the die side of the material. The outside diameter of the shank of the rivet is 5.4mm or less. The die has a volume that is less than 60% or 70% of the effective solid volume of the rivet.

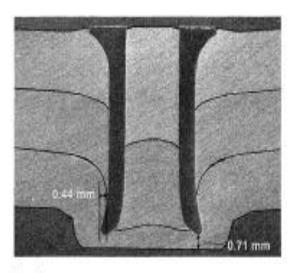


Figure 1

No. of Pages : 27 No. of Claims : 22

(22) Date of filing of Application :19/01/2015

(21) Application No.139/MUMNP/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : PURIFICATION OF HETERO DIMERIC IMMUNOGLOBULINS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07K16/46B01D15/38 :61/705278 :25/09/2012 :U.S.A. :PCT/EP2013/069989 :25/09/2013 :WO 2014/049003 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)GLENMARK PHARMACEUTICALS S.A. Address of Applicant :Chemin de la Combeta 5 CH 2300 La Chaux de Fonds Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)BLEIN Stanislas</li> <li>2)COMPER Fabrizio</li> <li>3)OLLIER Romain</li> <li>4)WASSMANN Paul</li> </ul>
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(57) Abstract :

The present invention describes novel hetero dimeric immunoglobulinvariants or fragments thereof which have reduced or eliminated binding to Protein A Protein G or both Protein A and Protein G. Also encompassed in the present invention are methods for the selective purification of hetero dimeric immunoglobulins or fragments thereof using Protein A and Protein G.

No. of Pages : 390 No. of Claims : 148

(22) Date of filing of Application :21/01/2015

(21) Application No.148/MUMNP/2015 A

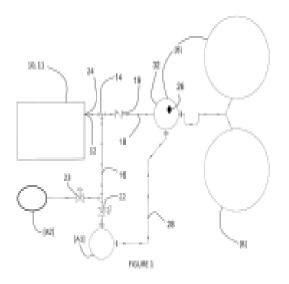
(43) Publication Date : 16/10/2015

# (54) Title of the invention : MULTI STREAM COMPRESSOR MANAGEMENT SYSTEM AND METHOD

(51) International classification	:F17D1/07	(71)Nome of Applicant .
		(71)Name of Applicant :
(31) Priority Document No	:61/674640	1)FLOGISTIX LP
(32) Priority Date	:23/07/2012	Address of Applicant :204 North Robinson Suite 220 Oklahoma City
(33) Name of priority country	:U.S.A.	OK 73102 U.S.A.
(86) International Application No	:PCT/US2013/051635	(72)Name of Inventor :
Filing Date	:23/07/2013	1)TALTON Mims
(87) International Publication No	:WO 2014/018510	2)BAKER Aaron
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

This disclosure describes a natural gas collection system utilizing a single compressor to manage collection of natural gas from both high pressure and low pressure sources. The operation of the single compressor is controlled by a PLC configured to receive pressure data from sensors and to direct compressor speed in order to maintain natural gas pressure at the user defined targets.



No. of Pages : 34 No. of Claims : 32

(22) Date of filing of Application :07/01/2015

(21) Application No.42/MUMNP/2015 A

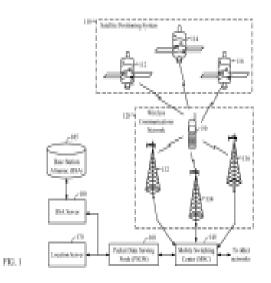
(43) Publication Date : 16/10/2015

# (54) Title of the invention : WIRELESS TRANSMITTER IDENTITY OR POSITIONING INFORMATION PARTITIONING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:H04W16/02 :13/562245 :30/07/2012 :U.S.A. :PCT/US2013/052778 :30/07/2013	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM INCORPORATED Address of Applicant :Attn: International IP Administration 5775 Morehouse Drive San Diego California 92121 1714 U.S.A. (72)Name of Inventor : 1)ZHANG Gensheng</li></ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:WO 2014/022430 :NA :NA :NA :NA	2)DO Ju Yong 3)MOEGLEIN Mark L.

# (57) Abstract :

Examples disclosed herein may relate to partitioning identity or position information for a plurality of wireless transmitters positioned within a geographical region into a plurality of sub partitions.



No. of Pages : 51 No. of Claims : 42

(22) Date of filing of Application :09/01/2015

(21) Application No.84/MUM/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : PELLETIZING DEVICE WITH COMPLEMENTARY ROLLERS AND ROLLERS FOR THE DEVICE

(51) International classification	:B29B9/12	(71)Name of Applicant :
(31) Priority Document No	:2012065	1)CPM Europe B.V.
(32) Priority Date	:09/01/2014	Address of Applicant :Distelweg 89 1031 HD AMSTERDAM the
(33) Name of priority country	:Netherlands	Netherlands. Netherlands
(86) International Application No	:PCT//	(72)Name of Inventor :
Filing Date	:01/01/1900	1)Blekkenhorst Nick
(87) International Publication No	: NA	2)Groenendaal Menno
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a pelletizing device comprising a die with a first surface called operative surface and a second surface that is essentially parallel to the first surface the die between the first and the second surface comprising multiple through going openings for the forming of pellets at least two rollers rotatable around a shaft wherein the rollers and the die are moveable with respect to each other each of the rollers comprising an operative pressing surface for pressing material to be pelletized through the radial openings of the die wherein a width of the operative pressing surface on each of the rollers is smaller than a width of the operative surface of the die. The invention also relates to rollers for the device.

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

(19) INDIA

(22) Date of filing of Application :09/01/2015

(43) Publication Date : 16/10/2015

# (54) Title of the invention : INDENE DERIVATIVES THEIR PREPARATION AND USE AS MEDICAMENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> </ul>	:PCT/EP2013/063989 :03/07/2013	<ul> <li>1)LABORATORIOS DEL DR. ESTEVE S.A. Address of Applicant :Avda. Mare de Deu de Montserrat 221 E 08041</li> <li>Barcelona Spain</li> <li>(72)Name of Inventor : <ol> <li>ALCALDE PAIS Mara de las Ermitas</li> <li>ALMANSA ROSALES Carmen</li> <li>D • AZ FERN • NDEZ Jos Lus</li> <li>4)MESQUIDA ESTEVEZ Mara de les Neus</li> </ol> </li> </ul>
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	5)PALOMA ROMEU Laura

(57) Abstract :

The present invention relates to new indene derivatives having a great affinity for sigma receptors especially sigma 1 receptors as well as to the process for the preparation thereof to compositions comprising them and to their use as medicaments.

No. of Pages : 58 No. of Claims : 15

#### (19) INDIA

(22) Date of filing of Application :12/01/2015

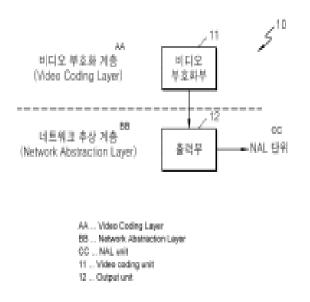
(43) Publication Date : 16/10/2015

# (54) Title of the invention : METHOD AND APPARATUS FOR CODING MULTILAYER VIDEO AND METHOD AND APPARATUS FOR DECODING MULTILAYER VIDEO

(51) International classification	:H04N7/26	(71)Name of Applicant :
(31) Priority Document No	:61/668666	1)SAMSUNG ELECTRONICS CO. LTD.
(32) Priority Date	:06/07/2012	Address of Applicant :129 Samsung ro Yeongtong gu Suwon si
(33) Name of priority country	:U.S.A.	Gyeonggi do 443 742 Republic of Korea
(86) International Application No	:PCT/KR2013/006058	(72)Name of Inventor :
Filing Date	:08/07/2013	1)CHOI Byeong doo
(87) International Publication No	:WO 2014/007596	2)KIM Jae hyun
(61) Patent of Addition to Application Number	:NA	3)PARK Jeong hoon
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed are a method and an apparatus for coding/decoding a multilayer video. The method for coding the multilayer video comprises: distinguishing the multilayer video that is coded according to data units and then generating an NAL unit for each of the data units; and adding scalable type information to a VPS NAL unit from units of data that are transmitted for each of the data unit.



No. of Pages : 71 No. of Claims : 15

(22) Date of filing of Application :13/01/2015

(21) Application No.90/MUMNP/2015 A

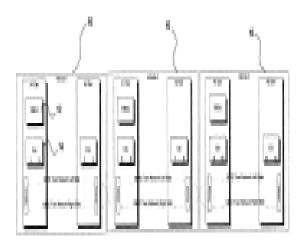
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : INTRA TRAIN NETWORK MANAGEMENT SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:H04W40/24B61L27/00B61L27/04 :61/672624 :17/07/2012 :U.S.A. :PCT/CA2013/000643 :16/07/2013	<ul> <li>(71)Name of Applicant :</li> <li>1)THALES CANADA INC.</li> <li>Address of Applicant :105 Moatfield Toronto Ontario M3B 0A4</li> <li>Canada</li> <li>(72)Name of Inventor :</li> <li>1)MACKENZIE Ivan</li> </ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:WO 2014/012164 <sup>n</sup> :NA :NA :NA :NA	

(57) Abstract :

An intra train network management system is provided for a train having up to three or more train units. Each train unit consists of two terminal cars and zero or more intermediate cars between the terminal cars. A communications interface unit in each terminal car establishes at least two separate networks within its associated train unit. Each network connects to distinct nodes within the train unit and the separate networks of coupled train units are crossed over. A gateway associated with each terminal car links the respective networks of separate train units coupled into a train. The network management determines the network topology by sending global device discovery messages throughout the network and local discovery messages within each train unit that cannot penetrate the gateway(s) associated with that train unit. The local discovery messages resolve the ambiguity created by the global messages.



Fq. 2

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

(22) Date of filing of Application :24/12/2014

(21) Application No.2628/MUMNP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : MAGNETIC FLOOR SURFACE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:C04B26/16C08G18/38C09D175/02 :12171106.3 :06/06/2012 :EPO :PCT/EP2013/061285 :31/05/2013 :WO 2013/182490 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)3M INNOVATIVE PROPERTIES COMPANY Address of Applicant :3M Center Saint Paul Minnesota 55144 U.S.A.</li> <li>U.S.A.</li> <li>2)!OBAC LIMITED</li> <li>(72)Name of Inventor :</li> <li>1)ROBINSON Ian</li> <li>2)JOBLING Wayne</li> <li>3)SPREADBOROUGH Ian</li> <li>4)SMYTH Derek</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention is directed to a method for providing a surface in particular a floor surface with a layer of a magnetic and/or magnetizable cover composition the surface having at least one layer of cementitious material wherein the method comprises the step of spreading the layer of the cover composition onto the surface the cover composition comprising a polymeric binder and magnetic and/or magnetizable particles characterized in that the layer of the cover composition has a water vapor transmission rate of at least 0.25 g h m according to ASTM D1653 and the surface and/ or the layer of cementitious material has a relative humidity of more than 75% according to ASTM F 2170 11.

No. of Pages : 27 No. of Claims : 20

(22) Date of filing of Application :29/12/2014

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : VIBRATION-REDUCING STRUCTURE FOR COMPRESSING DIAPHRAGM PUMP

	:F04B43/02	(71)Name of Applicant :
(51) International classification	F04B45/02 F04B45/04	1)Ying-Lin Cai
(31) Priority Document No	:201410019335.8	
(32) Priority Date	:16/01/2014	Boulevard Shunde District Foshan City Guangdong China. China
(33) Name of priority country	:China	2)Chao-Fou HSU
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Ying-Lin Cai
(87) International Publication No	: NA	2)Chao-Fou HSU
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A vibration-reducing structure for compressing diaphragm pump features a pump head body and a diaphragm membrane. The pump head body includes three operating holes and a first curved vibration-reducing positioning structure circumferentially disposed around the upper side of each operating hole. The diaphragm membrane includes three equivalent piston acting zones and second curved vibration-reducing position structures situated at positions corresponding to the positions of the first curved vibration-reducing positioning structures. The first positioning structures in the pump head body which may be grooves slots perforations or protrusions mate with the corresponding second positioning structures in the diaphragm membrane to reduce the moment arm generated during pumping by movement of the diaphragm membrane which may be protrusions. grooves slots or perforations thereby generating less torque to decrease the strength of vibrations and vibration noise

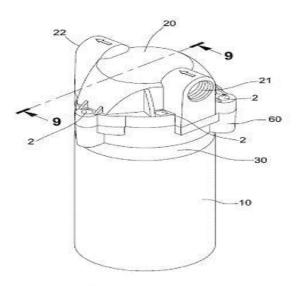


FIG.1 (PRIOR ART)

No. of Pages : 89 No. of Claims : 34

(22) Date of filing of Application :02/01/2015

(21) Application No.9/MUMNP/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : BRIGHT DETERGENT COMPOSITION

(51) International classification	:C11D3/40C11D3/42	(71)Name of Applicant :
(31) Priority Document No	:12176664.6	1)UNILEVER PLC
(32) Priority Date	:17/07/2012	Address of Applicant : Unilever House 100 Victoria Embankment
(33) Name of priority country	:EPO	London Greater London EC4Y 0DY UK U.K.
(86) International Application No	:PCT/EP2013/064989	(72)Name of Inventor :
Filing Date	:16/07/2013	1)BATCHELOR Stephen Norman
(87) International Publication No	:WO 2014/012923	2)BIRD Jayne Michelle
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A coloured laundry detergent is provided that brightens on exposure to light.

No. of Pages : 16 No. of Claims : 13

(22) Date of filing of Application :14/01/2015

(21) Application No.97/MUMNP/2015 A

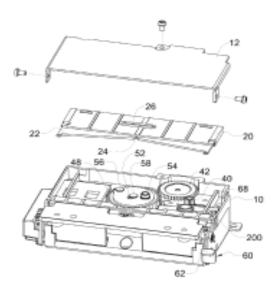
(43) Publication Date : 16/10/2015

# (54) Title of the invention : CUTTER OF PRINTER

(51) International classification	:B41J11/66	(71)Name of Applicant :
(31) Priority Document No	:1020120150822	1)LEE II Bok
(32) Priority Date	:21/12/2012	Address of Applicant :208 503 (Soha dong Humansia) 38 Soha ro
(33) Name of priority country	:Republic of Korea	Gwangmyeong si Gyeonggi do 423 788 Republic of Korea
(86) International Application No	:PCT/KR2013/011945	(72)Name of Inventor :
Filing Date	:20/12/2013	1)LEE II Bok
(87) International Publication No	:WO 2014/098515	
(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 relates to a cutter structure of a printer which is designed so as to have a cutting module of a particular structural mechanism for effectively cutting print paper and to manipulate an existing lever to readily resolve the problems caused by unwanted engagement of the cutter or jammed print paper. [Typical Drawing] Fig. 4



No. of Pages : 29 No. of Claims : 5

(22) Date of filing of Application :12/01/2015

(21) Application No.78/MUMNP/2015 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : SPECULATIVE RESOURCE PREFETCHING VIA SANDBOXED EXECUTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:61/683996 :16/08/2012 :U.S.A. :PCT/US2013/045693 :13/06/2013 :WO 2014/028111 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM INCORPORATED Address of Applicant :Attn: International Ip Administration 5775 Morehouse Drive San Diego California 92121 U.S.A. (72)Name of Inventor : 1)RESHADI Mohammad H. 2)WEBER Michael</li></ul>
<ul><li>(61) Face of Addition to Application Number</li><li>(62) Divisional to Application Number</li></ul>	:NA :NA :NA	
Filing Date	:NA	

# (57) Abstract :

The aspects include browser systems and methods of loading/rendering a webpage by preprocessing scripts within the web document (HTML page) in a sandboxed script engine to discover resources not explicitly requested in the web document so such resources can be pre fetched and downloaded speculatively. The sandboxed execution of scripts and downloading of discovered resources may proceed in parallel with the performance of other browser operations (e.g. HTML parsing) and other resource requests. The sandboxed script engine may be isolated or separated from the other browser components. The sandboxed script engine may operate to speedup the process of identifying resources inconsistent with standard script execution processes.

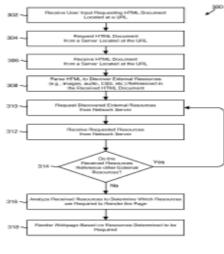


FIG. 3A

No. of Pages : 97 No. of Claims : 40

(22) Date of filing of Application :14/01/2015

(21) Application No.101/MUMNP/2015 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : BIOCIDAL FILTER MEDIUM

(51) International classification	:C02F1/50C02F1/28	(71)Name of Applicant :
(31) Priority Document No	:12177491.3	1)UNILEVER PLC
(32) Priority Date	:23/07/2012	Address of Applicant :a company registered in England and Wales
(33) Name of priority country	:EPO	under company no. 41424 of Unilever House 100 Victoria Embankment
(86) International Application No	:PCT/EP2013/063918	London Greater London EC4Y 0DY U.K.
Filing Date	:02/07/2013	(72)Name of Inventor :
(87) International Publication No	:WO 2014/016082	1)BARUWATI Babita
(61) Patent of Addition to Application Number	:NA	2)SAWANA Radha Kamalkishor
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to filter media particularly for purification of water. Disclosed is a filter medium having incorporated therein a compound of Silver and Copper hydroxide. Copper hydroxide and a silver compound when present in the filter medium provide significantly greater log reduction of virus and bacteria in water rendering the water purer.

No. of Pages : 15 No. of Claims : 8

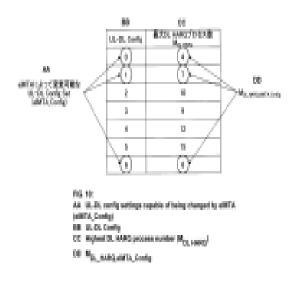
(22) Date of filing of Application :02/01/2015

(43) Publication Date : 16/10/2015

(2)		
(51) International classification	:H04W28/04	(71)Name of Applicant :
(31) Priority Document No	:2012-159759	1)PANASONIC INTELLECTUAL PROPERTY CORPORATION
(32) Priority Date	:18/07/2012	OF AMERICA
(33) Name of priority country	:Japan	Address of Applicant :20000 Mariner Avenue Suite 200 Torrance CA
(86) International Application No	:PCT/JP2013/003644	90503 U.S.A.
Filing Date	:11/06/2013	(72)Name of Inventor :
(87) International Publication No	:WO 2014/013669	1)OIZUMI Toru
(61) Patent of Addition to Application Number	:NA	2)HORIUCHI Ayako
Filing Date	:NA	3)NISHIO Akihiko
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (54) Title of the invention : TERMINAL DEVICE AND BUFFER PARTITIONING METHOD

Provided is a terminal device with which deterioration in hybrid automatic repeat request (HARQ) retransmission performance can be inhibited by continuing a downlink (DL) HARQ process for DL data before and after changing the uplink link-DL configuration. In this device a decoder (210) stores in a retransmission buffer DL data transmitted from a base station and decodes the DL data and a wireless transmitter (222) transmits a response signal generated using a DL-data-error detection result. A soft buffer is partitioned into a plurality of regions for each retransmission process on the basis of the highest values among retransmission process numbers respectively stated in a plurality of configuration patterns which can be set in the terminal (200).



No. of Pages : 73 No. of Claims : 11

<sup>(57)</sup> Abstract :

(22) Date of filing of Application :09/01/2015

(21) Application No.72/MUMNP/2015 A

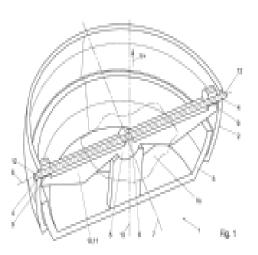
(43) Publication Date : 16/10/2015

# (54) Title of the invention : ADJUSTING INSTRUMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:A47G1/24F16M11/12B60R1/066 :2009160 :09/07/2012 :Netherlands :PCT/NL2013/050517 :09/07/2013 :WO 2014/011037 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)MCI (MIRROR CONTROLS INTERNATIONAL)</li> <li>NETHERLANDS B.V. Address of Applicant :Pompmolenlaan 29 NL 3447 GK Woerden Netherlands</li> <li>(72)Name of Inventor :</li> <li>1)VAN STIPHOUT Paulus Gerardus Maria</li> </ul>
Filing Date (62) Divisional to Application Number		
Filing Date	:NA	

(57) Abstract :

Adjusting instrument for a mirror comprising: a first part 2 a second part 3 wherein the first and second parts 2 3 are pivotable relative to each other wherein the first part 2 is bearing mounted via a first bearing 4 about a first pivoting axis 6 and wherein the first part 2 together with the first bearing 4 is bearing mounted directly or indirectly via a second bearing 5 to the second part 3 about a second pivoting axis 7 which is substantially transverse to the first pivoting axis 6 wherein the first bearing comprises a bar spring 8 which bar spring 8 is biased in a bias direction V+ which is substantially transverse to an adjustment plane Vs formed by the first and second pivoting axes 6 7 which bar spring 8 provides that the two parts 2 3 are pressed against each other under bias substantially transversely to the adjustment plane Vs.



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

(22) Date of filing of Application :14/01/2015

(21) Application No.98/MUMNP/2015 A

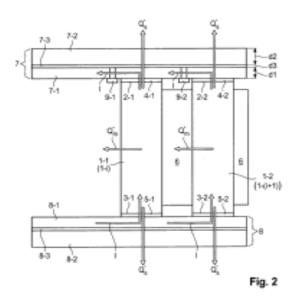
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : ENERGY STORAGE DEVICE

(51) International classification	:H01M2/10H01M2/20H01M10/42	(71)Name of Applicant :
(31) Priority Document No	:10 2012 213 273.2	1)TECHNISCHE UNIVERSIT,,T MNCHEN
(32) Priority Date	:27/07/2012	Address of Applicant : Arcisstrae 21 80333 M <sup>1</sup> / <sub>4</sub> nchen Germany
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2013/065765	(72)Name of Inventor :
Filing Date	:25/07/2013	1)ECKL Richard
(87) International Publication No	:WO 2014/016393	2)WALDER Georg
(61) Patent of Addition to Application	:NA	3)STEFFAN Moritz
Number	:NA	4)HUMMER Martin R.
Filing Date	.INA	5)BURDA Peter
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a device for contacting electrical energy storage cells of an energy store which electrical energy storage cells are each connected to a circuit board at the poles of the electrical energy storage cells by means of an electrically and thermally conductive contact element which circuit board is provided in order to isolate an electric current obtained by the respective energy storage cell through the contact element from a heat flow obtained through the contact element.



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

(22) Date of filing of Application :31/12/2014

(43) Publication Date : 16/10/2015

## (54) Title of the invention : METHOD FOR FLICKER DETECTION AND ASSOCIATED CIRCUIT

(51) International classificationH04N5/335(31) Priority Document No:61/923390	<ul> <li>(71)Name of Applicant :</li> <li>1)MediaTek Singapore Pte. Ltd. Address of Applicant :#03-01 Solaris No. 1 Fusionopolis Walk Singapore 138628 Singapore</li> <li>(72)Name of Inventor :</li> <li>1)Hsin-I LIU</li> <li>2)Dmitri BITOUK</li> <li>3)Muge WANG</li> </ul>
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(57) Abstract :

A method for flicker detection based on a plurality of images and associated circuit is provided. The method includes providing an integrated flicker signal for each image including accumulating pixel data of a number of pixels along each row; performing a motion compensation including: comparing two integrated flicker signals of two images and accordingly providing a flicker signal difference; performing a flicker feature extraction including: applying a frequency analysis on the flicker signal difference and accordingly providing a normalized flicker feature value; and performing a flicker determination including: calculating a likelihood according to the normalized flicker feature value and according to the likelihood determining whether a flicker-free hypothesis should be rejected in favor of a flicker-suffered hypothesis.

No. of Pages : 76 No. of Claims : 26

(19) INDIA

(22) Date of filing of Application :13/01/2015

## (21) Application No.91/MUMNP/2015 A

## (43) Publication Date : 16/10/2015

# (54) Title of the invention : ESSENTIAL OIL OF SWEET MARJORAM COMPOSITION COMPRISING IT COSMETIC TREATMENT METHOD AND USE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K8/92A61Q5/00 :1256312 :02/07/2012 :France :PCT/EP2013/063635 :28/06/2013 :WO 2014/005942 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LOREAL <ul> <li>Address of Applicant :14 rue Royale F 75008 Paris France</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)LEREBOUR Graldine</li> <li>2)LARTAUD Pierre</li> <li>3)PEGEON Agn s</li> </ul> </li> </ul>
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(57) Abstract :

The present invention relates to a novel essential oil of sweet marjoram to the cosmetic or pharmaceutical compositions comprising it and also to a cosmetic treatment method employing it and to its cosmetic use as anti dandruff agent.

No. of Pages : 11 No. of Claims : 12

(22) Date of filing of Application :09/01/2015

(43) Publication Date : 16/10/2015

(54) Title of the invention : MULTI LEVEL MEMORY CELL USING MULTIPLE MAGENTIC TUNNEL JUNCTIONS WITH VARYING MGO THICKNESS

(51) International classification	:G11C11/16G11C11/56	(71)Name of Applicant :
(31) Priority Document No	:13/589315	1)QUALCOMM INCORPORATED
(32) Priority Date	:20/08/2012	Address of Applicant : Attn: International IP Administration 5775
(33) Name of priority country	:U.S.A.	Morehouse Drive San Diego California 92121 U.S.A. U.S.A.
(86) International Application No	:PCT/US2013/055171	(72)Name of Inventor :
Filing Date	:15/08/2013	1)LEE Kangho
(87) International Publication No	:WO 2014/031442	2)KIM Taehyun
(61) Patent of Addition to Application Number	:NA	3)KIM Jung Pill
Filing Date	:NA	4)KANG Seung H.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A Multi Level Memory Cell (MLC) using multiple Magnetic Tunnel Junction (MTJ) structures (MTJ1 MTJ2) having one or more layers with varying thickness is disclosed. The multiple MTJ structures (MTJ1 MTJ2) which are vertically stacked and arranged in series may have substantially identical area dimensions to minimize fabrication costs because one mask can be used to pattern the multiple MTJ structures (MTJ1 MTJ2). Further varying the thicknesses associated with the one or more layers may provide the multiple MTJ structures (MTJ1 MTJ2) with different switching current densities and thereby increase memory density and improve read and write operations. In one embodiment the layers with the varying thicknesses may include tunnel barriers or magnesium oxide layers (46a 46b 56a 56b) associated with the multiple MTJ structures (MTJ1 MTJ2). (MTJ1 MTJ2) and/or free layers (48a 48b 58a 58b) associated with the multiple MTJ structures (MTJ1 MTJ2).

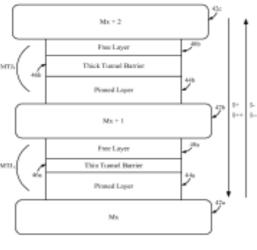


FIG. 4

No. of Pages : 35 No. of Claims : 15

(21) Application No.3467/CHENP/2014 A

(19) INDIA

#### (22) Date of filing of Application :07/05/2014

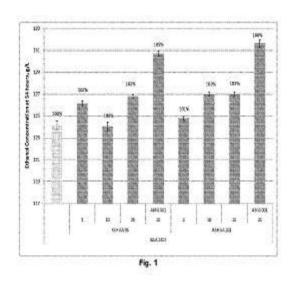
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : PROCESSES FOR PRODUCING FERMENTATION PRODUCTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:C12P7/06 :61/545865 :11/10/2011 :U.S.A. :PCT/US2012/059335 :09/10/2012 :WO 2013/055676 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)NOVOZYMES NORTH AMERICA INC. Address of Applicant :77 Perry Chapel Church Rd. P.O. Box 576</li> <li>Franklinton North Carolina 27525 U.S.A.</li> <li>2)NOVOZYMES A/S</li> <li>(72)Name of Inventor :</li> <li>1)DEINHAMMER Randall</li> <li>2)HJULMAND Anne Glud</li> <li>3)CRAIG Joyce</li> <li>4)COWARD KELLY Guillermo</li> <li>5)MATSUI Tomoko</li> <li>6)TAKAGI Shinobu</li> <li>7)CLARK Suzanne</li> <li>8)MATTHEWS John</li> </ul>
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(57) Abstract :

The present invention relates to processes for producing fermentation products from starch containing material wherein a bacterial alpha amylase a raw starch hydrolyzing alpha amylase and a carbohydrate source generating enzyme are present and/or added during liquefaction. The invention also relates to compositions suitable for use in processes of the invention.



No. of Pages : 113 No. of Claims : 20

(22) Date of filing of Application :15/05/2014

(21) Application No.3660/CHENP/2014 A

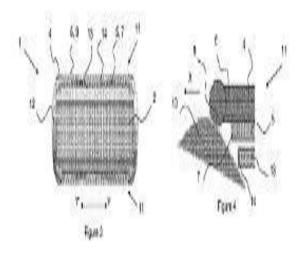
(43) Publication Date : 16/10/2015

## (54) Title of the invention : SKIN GUARD FOR HAIR TRIMMER

(51) International classification	:B26B19/06B26B19/20	(71)Name of Applicant :
(31) Priority Document No	:61/560933	1)KONINKLIJKE PHILIPS N.V.
(32) Priority Date	:17/11/2011	Address of Applicant : High Tech Campus 5 NL 5656 AE Eindhoven
(33) Name of priority country	:U.S.A.	Netherlands
(86) International Application No	:PCT/IB2012/056375	(72)Name of Inventor :
Filing Date	:13/11/2012	1)VAN STRAATEN Roland
(87) International Publication No	:WO 2013/072840	2)RETHMEIER Roel Alexander
(61) Patent of Addition to Application Number	:NA	3)TIJSSEN Reinier Alexander
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

A device for trimming hair (11) is disclosed comprising a fixed cutting element (4) a mobile cutting element (5) and a fixed guard (13) each comprising a plurality of teeth (6 7 13) extending in a similar direction. The mobile cutting element is moveable relative to the fixed cutting element such that hairs are cut when they enter the space between the teeth. The mobile cutting element is positioned between the fixed cutting element and the fixed guard and when in use the fixed guard is the component closest to the skin to be shaved. The length of the teeth of the fixed and mobile cutting elements and the fixed guard differ so that during use the fixed cutting element and the fixed guard may contact the skin but the mobile cutting element is restricted from fully contacting the skin to prevent damage or irritation of the skin.



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

(22) Date of filing of Application :15/05/2014

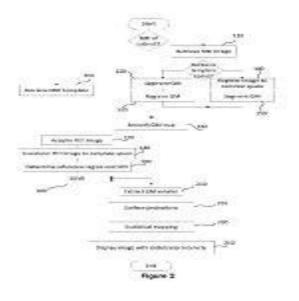
(43) Publication Date : 16/10/2015

# (54) Title of the invention : METHOD TO COMPUTE AND PRESENT BRAIN AMYLOID IN GRAY MATTER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:A61B6/03G01T1/29G06T7/00 :61/560319 :16/11/2011 :U.S.A. :PCT/IB2012/056379	<ul> <li>(71)Name of Applicant :</li> <li>1)KONINKLIJKE PHILIPS N.V. Address of Applicant :High Tech Campus 5 NL 5656 AE Eindhoven Netherlands</li> <li>(72)Name of Inventor :</li> </ul>
Filing Date	:13/11/2012	1)THIELE Frank Olaf
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:WO 2013/072843 :NA :NA	2)WENZEL Fabian
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

An imaging work station (20) includes one or more processors programmed to receive (170)an image depicting a distribution of a radiotracer in a brain or other region of interest. The radiotracer includes at least one of [18F] Flutemetamol [18F] Florbetaben and [18F] Florbetapir which highlights amyloid deposits. The image and a template or an MRI image of the region of interest which includes a segmented anatomical feature such as gray matter are registered (180)to a common space. A volume representation of the image which depicts the distribution of the radiotracer in the segmented gray matter and suppresses the radiotracer outside of the segmented anatomical feature in white matter is extracted (210).



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

(22) Date of filing of Application :15/05/2014

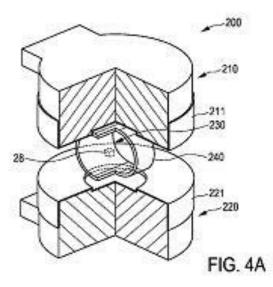
(43) Publication Date : 16/10/2015

(54) Title of the invention : APPARATUS AND METHOD FOR INFLUENCING AND/OR DETECTING MAGNETIC PARTICLES HAVING A LARGE FIELD OF VIEW

(51) International classification	:A61B5/05	(71)Name of Applicant :
(31) Priority Document No	:61/560323	1)KONINKLIJKE PHILIPS N.V.
(32) Priority Date	:16/11/2011	Address of Applicant : High Tech Campus 5 NL 5656 AE Eindhoven
(33) Name of priority country	:U.S.A.	Netherlands
(86) International Application No	:PCT/IB2012/056376	(72)Name of Inventor :
Filing Date	:13/11/2012	1)BONTUS Claas
(87) International Publication No	:WO 2013/072841	2)SCHMALE Ingo
(61) Patent of Addition to Application Number	:NA	3)GLEICH Bernhard
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to an apparatus and a method for influencing and/or detecting magnetic particles in a field of view (28) in particular for examination of human patients. The apparatus comprises i) selection and focus means (120) for generating a magnetic selection and focus field (50) wherein said at least one set of selection and focus field coils comprises at least one inner selection and focus field coil (113 115) being formed as a closed loop about an inner coil axis (115a) first inner selection and focus field coil (115) a group of at least two outer selection and focus field coils (116 119) arranged at a larger distance from said inner coil axis (115a) than said at least one inner selection and focus field coil (113 115) and at different angular positions each being formed as a closed loop about an associated outer coil axis (116a 119a) and ii) drive means (120) comprising a drive field signal generator unit (122) and drive field coils (124; 125 126 127) for changing the position in space and/or size of the two sub zones (52 54) in the field of view (28) by means of a magnetic drive field so that the magnetization of the magnetic material changes locally.



No. of Pages : 72 No. of Claims : 26

(22) Date of filing of Application :08/05/2014

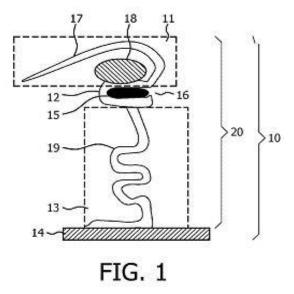
(43) Publication Date : 16/10/2015

(54) Title of the invention : CUSTOMIZABLE USER INTERFACE DEVICE FOR USE WITH RESPIRATORY VENTILATION SYSTEMS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Eiling Date</li> </ul>	:07/11/2012 :WO 2013/068950 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)KONINKLIJKE PHILIPS N.V. Address of Applicant :High Tech Campus 5 NL 5656 AE Eindhoven Netherlands</li> <li>(72)Name of Inventor :</li> <li>1)ZNAMENSKIY Dmitry Nikolayevich</li> <li>2)VLUTTERS Ruud</li> <li>3)VAN BREE Karl Catharina</li> </ul>
		2)VLUTTERS Ruud
<ul><li>(62) Divisional to Application Number Filing Date</li></ul>	:NA :NA :NA	

## (57) Abstract :

The present invention provides a cost effective customization of user interface devices for use with respiratory ventilation systems such as face masks that may be used for CPAP therapy. By integrating a user specific customized element (15) into a pre fabricated user interface device (10) increased comfort for a user during use of the interface device (10) is provided. The customized element (15) is adapted to affect the shape of the user interface device making it compliant with at least one user specific body feature for example a facial feature of a particular user. The shape of the customized element may be computed from a user specific data set representing an e.g. three dimensional shape at least one body feature of a user.



No. of Pages : 44 No. of Claims : 21

(22) Date of filing of Application :08/05/2014

(21) Application No.3495/CHENP/2014 A

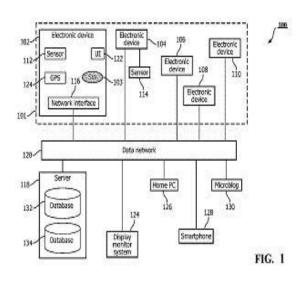
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : USING BIOSENSORS FOR SHARING EMOTIONS VIA A DATA NETWORK SERVICE

(51) International classification	:G06Q10/00	(71)Name of Applicant :
(31) Priority Document No	:61/557537	1)KONINKLIJKE PHILIPS N.V.
(32) Priority Date	:09/11/2011	Address of Applicant : High Tech Campus 5 NL 5656 AE Eindhoven
(33) Name of priority country	:U.S.A.	Netherlands
(86) International Application No	:PCT/IB2012/056215	(72)Name of Inventor :
Filing Date	:07/11/2012	1)GEURTS Lucas Jacobus Franciscus
(87) International Publication No	:WO 2013/068936	2)TIMMER Remco
(61) Patent of Addition to Application Number	:NA	3)BROUWER Tjadde Rutgher
Filing Date	:NA	4)RAAIJMAKERS Theodorus Gerardus Hugo Cornelius
(62) Divisional to Application Number	:NA	5)LOOPIK Wendelina Elise Corinne
Filing Date	:NA	

## (57) Abstract :

Mobile electronic communication devices upload input data to a server via a data network. The data uploaded per device is indicative of a physiological or emotional state of the device s user and of the user s geographical location. The server generates output data per individual user under combined control of the emotional state and geographic location of the individual user. The output data associated with multiple users is rendered as graphical symbols at one or more display monitors thus being indicative of the geographical distribution of emotions of the population of users.



No. of Pages : 31 No. of Claims : 16

(22) Date of filing of Application :13/05/2014

(21) Application No.3590/CHENP/2014 A

(43) Publication Date : 16/10/2015

## (54) Title of the invention : INSIDE VIEW MOTION PREDICTION AMONG TEXTURE AND DEPTH VIEW COMPONENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:61/561800 :18/11/2011 :U.S.A. :PCT/US2012/065675 :16/11/2012 :WO 2013/075024 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM INCORPORATED Address of Applicant :ATTN: International IP Administration 5775 Morehouse Drive San Diego CA 92121 1714 U.S.A. </li> <li>(72)Name of Inventor : <ul> <li>1)ZHANG Li</li> <li>2)CHEN Ying</li> <li>3)KARCZEWICZ Marta</li> </ul> </li> </ul>
Filing Date	:NA :NA	

## (57) Abstract :

The techniques of this disclosure may be generally related to using motion information for a corresponding block from a texture view component that corresponds with a block in a depth view component in coding the block in the depth view component. In some examples for coding purposes the techniques may use motion information when the spatial resolution of the texture view component is different than the spatial resolution of the depth view component.

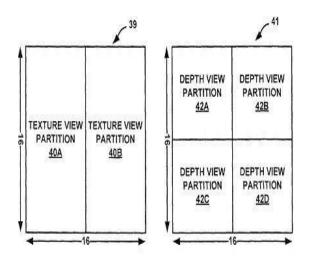


FIG. 6

No. of Pages : 100 No. of Claims : 33

#### (19) INDIA

(22) Date of filing of Application :20/05/2014

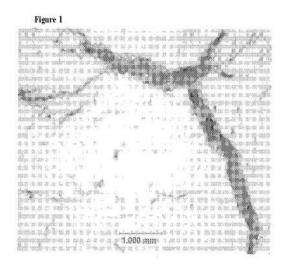
(43) Publication Date : 16/10/2015

# (54) Title of the invention : CURABLE COMPOSITIONS CONTAINING ISOCYANATE FUNCTIONAL COMPONENTS AND HAVING IMPROVED DURABILITY IN THE CURED STATE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C08G18/10 :PCT/US2011/62070 :23/11/2011 :U.S.A. :PCT/US2012/041320 :07/06/2012 :WO 2013/077908 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)DOW GLOBAL TECHNOLOGIES LLC Address of Applicant :2040 Dow Center Midland MI 48674 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)RISTOSKI Toni</li> <li>2)JIALANELLA Gary L.</li> <li>3)FRISHCOSY Michael</li> </ul>
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(57) Abstract :

A composition comprising a) one or more isocyanate functional components one or more oligomers or prepolymers containing isocyanate functional groups and alkoxysilane groups or prepolymers having a flexible backbone and silane moieties capable of silanol condensation: b) one or more catalysts for the reaction of isocyanate moieties with active hydrogen atom containing groups or for silanol condensation; c) one or more compounds comprising a dihydrocarbyl hydroxy! amine an alicyclic hydroxyl amine a nitrile oxide of a dihydrocarbyl hydroxyl amine or a nitrile oxide of an alicyclic hydroxyl amine in a sufficient amount to enhance the ultraviolet stability of the composition in a cured state; and d) a pigment that does not have reinforcing properties or the composition contains one of one or more oligomers or prepolymers containing isocyanate functional groups and alkoxysilane groups or prepolymers having a flexible backbone and silane moieties capable of silanol condensation. The compositions are useful as adhesives and sealers.



No. of Pages : 47 No. of Claims : 18

(21) Application No.3794/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :20/05/2014

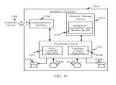
(43) Publication Date : 16/10/2015

# (54) Title of the invention : OPTIMIZING AUDIO PROCESSING FUNCTIONS BY DYNAMICALLY COMPENSATING FOR VARIABLE DISTANCES BETWEEN SPEAKER(S) AND MICROPHONE(S) IN A MOBILE DEVICE

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM INCORPORATED <ul> <li>Address of Applicant :Attn: International IP Administration 5775</li> </ul> </li> <li>Morehouse Drive San Diego California 92121 U.S.A.</li> <li>(72)Name of Inventor : <ul> <li>1)VISSER Erik</li> <li>2)CONTOUR Michael Joseph</li> <li>3)MATTIS Eric S.</li> <li>4)FITZGERALD Joseph Robert</li> <li>5)CHAN Kwokleung</li> </ul> </li> </ul>
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(57) Abstract :

Mobile communication devices having multiple speakers and/or microphones to perform a number of audio functions for use with mobile devices are provided. The microphones may be housed within the communication device housing. To compensate for the unwanted signal feedback between the speakers and microphones acoustic echo cancellation may be implemented to determine the proper distance and relative location between the speakers and microphones. Acoustic echo cancellation removes the echo from voice communications to improve the quality of the sound. The removal of the unwanted signals captured by the microphones may be accomplished by characterizing the audio signal paths from the speakers to the microphones (speaker to microphone path distance profile) including the distance and relative location between the speakers and microphones is provided to the user to optimize performance.



No. of Pages : 49 No. of Claims : 47

(22) Date of filing of Application :15/05/2014

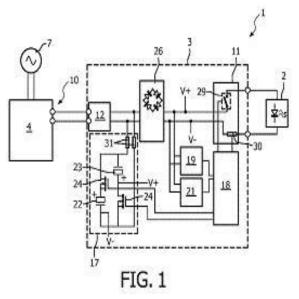
(43) Publication Date : 16/10/2015

(54) Title of the invention : CIRCUIT ARRANGEMENT FOR OPERATING A LOW POWER LIGHTING UNIT AND METHOD OPER	ATING
THE SAME	

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:H05B33/08 :61/560409 :16/11/2011 :U.S.A. :PCT/IB2012/055728	<ul> <li>(71)Name of Applicant :</li> <li>1)KONINKLIJKE PHILIPS N.V. Address of Applicant :High Tech Campus 5 NL 5656AE Eindhoven Netherlands</li> <li>(72)Name of Inventor :</li> </ul>
<ul> <li>(80) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:PC1/162012/033728 :19/10/2012 :WO 2013/072793 :NA :NA :NA :NA	(72)Name of Inventor : 1)SAUERLAENDER Georg 2)ARULANDU Kumar

(57) Abstract :

A circuit arrangement (3) is provided for operating at least one low power lighting unit with a power supply(4) and in particular with a self oscillating power supply. The circuit arrangement (3)comprises at least an input (12) for receiving an operating voltage (28) from said power supply (4) and an output (11) for connection to one or more low power lighting units. To allow an efficient operation of said low power lighting unit with the power supply (4) the circuit (3) comprises a pulse generator (17) connected with said input (12) and adapted to inject at least one trigger pulse (40a 40b) into said power supply (4) during operation.



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

#### (19) INDIA

(22) Date of filing of Application :15/05/2014

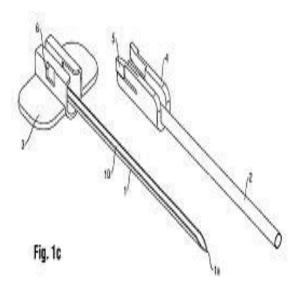
(43) Publication Date : 16/10/2015

# (54) Title of the invention : CATHETER WITH REMOVABLE CANNULA FOR PUNCTURING A BODY CAVITY AND CANNULA FOR THE USE WITH A CATHETER WHICH CAN BE MOVED IN THE CANNULA

(51) International classification (31) Priority Document No	:A61M25/06 :11 03211	(71)Name of Applicant : 1)B. BRAUN MEDICAL SAS
(32) Priority Date	:19/10/2011	Address of Applicant :204 avenue du Marchal Juin F 92100 Boulogne
(33) Name of priority country	:France	Billancourt Cedex France
(86) International Application No	:PCT/EP2012/004383	(72)Name of Inventor :
Filing Date	:19/10/2012	1)COLLIN Rmi
(87) International Publication No	:WO 2013/064215	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The aim of the present invention is to provide a catheter with a puncturing cannula which may be removed from the catheter without risk of injury for the patient and the nursing staff nor risk of damaging the equipment and whose tip is protected before as well as after puncturing the body cavity. According to the invention this object is satisfied by a catheter with removable cannula (1) for puncturing a body cavity whereas the catheter can be moved freely in the longitudinal direction in the cannula (1). The cannula is characterised in that it is tubular in shape and provided with a longitudinal slot (10) extending over 45° to 180° of the circumference of the cannula (1) and in that it is provided in a tubular sheath (2) so that they can be displaced in the longitudinal direction inside said tubular sheath (2).



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

(22) Date of filing of Application :22/05/2014

(43) Publication Date : 16/10/2015

## (54) Title of the invention : GREASE COMPOSITION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:28/11/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ</li> <li>B.V. Address of Applicant :Carel van Bylandtlaan 30 NL 2596 HR The Hague Netherlands</li> <li>2)SHELL OIL COMPANY</li> <li>(72)Name of Inventor :</li> <li>1)WATANABE Kazuya</li> <li>2)TANAKA Keiji</li> </ul>
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(57) Abstract :

A calcium complex grease composition is disclosed. The grease composition has a high dropping point and a suitable thickness and is stable to heat.

No. of Pages : 29 No. of Claims : 5

(22) Date of filing of Application :22/05/2014

(21) Application No.3858/CHENP/2014 A

(43) Publication Date : 16/10/2015

## (54) Title of the invention : METHOD FOR OPTIMIZING AN AUTOMATED BUTTERING PROCESS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:A01J15/12 :10 2011 117 195.2 :29/10/2011 :Germany :PCT/EP2012/067179 :04/09/2012 :WO 2013/060515	<ul> <li>(71)Name of Applicant :</li> <li>1)GEA MECHANICAL EQUIPMENT GMBH Address of Applicant :Werner Habig Str. 1 59302 Oelde Germany</li> <li>(72)Name of Inventor :</li> <li>1)HEYMANN Bernhard</li> <li>2)KROHN Dieter</li> </ul>
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	:WO 2013/060515 :NA :NA	2)KROHN Dieter
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract :

The invention describes a method for producing butter in a buttering machine which has at least one inlet (1) a buttering cylinder (2) with a beater (3) which is operated with a drive power by means of a beater drive (12) and an outlet and supplied cream is separated into butter grains and buttermilk in the buttering cylinder (2) characterized in that a. at least one characteristic value of the cream or the produced butter is measured or predefined b. an actual value of the current drive power of the beater (3) is detected and c. a setpoint value for the drive power of the beater (3) is determined as a function of the characteristic value which was measured or predefined in step a. and the beater drive (12) is adjusted to this setpoint value.

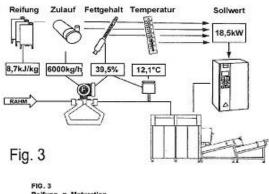


FIG. 3 Reifung = Maturation Zulauf = Feed Fettgehalt = Fat content Temperatur = Temperature Sollwert = Setpoint value 18,5k/W - 18.5k/W 8,7kJ/kg = 8.7kJ/kg 9,5% - 39.5% 12,1° - 12.1°C RAHM = CREAM

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

(22) Date of filing of Application :22/05/2014

(21) Application No.3859/CHENP/2014 A

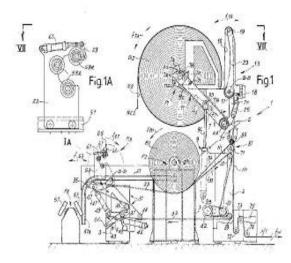
(43) Publication Date : 16/10/2015

## (54) Title of the invention : REEL UNWINDER AND UNWINDING METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:B65H16/10B65H19/12 :FI2011A000253 :23/11/2011 :Italy :PCT/EP2012/072793 :15/11/2012 :WO 2013/076011 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)FABIO PERINI S.P.A. Address of Applicant :Via per Mugnano I 55100 Lucca Italy</li> <li>(72)Name of Inventor :</li> <li>1)MORELLI Roberto</li> <li>2)BENVENUTI Angelo</li> </ul>
Filing Date	:NA	

## (57) Abstract :

The unwinder comprises: a first unwinding position (P2) in which a first reel (Bl) is positioned; a second unwinding position (P3) to which the first reel is transferred when it must be replaced with a second reel (B2); a stand by position (PI) in which the second reel (B2) is kept in stand by; a first unwinding member (13) arranged and controlled to start rotation of the second reel (B1) when the first reel (B2) must be replaced with the second reel (B2). Moreover the unwinder comprises a second unwinding member (31) with at least one endless flexible element (33). The endless flexible element extends from the first unwinding position (P2) to the second unwinding position (P2) and is arranged and controlled in such a manner that the first reel is maintained in contact with said second unwinding member and in rotation by means of the second unwinding member (31) in the first unwinding position (P2) in the second unwinding position (P3) and while it is being transferred from the first unwinding position (P2) to the second unwinding position (P3).



No. of Pages : 35 No. of Claims : 24

(22) Date of filing of Application :05/05/2014

(21) Application No.3378/CHENP/2014 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : METHOD AND DEVICE FOR CHECKING VALUE DOCUMENTS

	C07D7/04	
(51) International classification	:G07D7/04	(71)Name of Applicant :
(31) Priority Document No	:102011120972.0	1)GIESECKE & DEVRIENT GMBH
(32) Priority Date	:13/12/2011	Address of Applicant : Prinzregentenstrae 159 81677 M <sup>1</sup> / <sub>4</sub> nchen
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2012/005035	(72)Name of Inventor :
Filing Date	:06/12/2012	1)SCHTZMANN J¼rgen
(87) International Publication No	:WO 2013/087168	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

The invention relates to the checking of value documents having a security element with a plurality of magnetic regions including a high coercivity magnetic region optionally a low coercivity magnetic region and optionally a combined magnetic region containing both high coercivity and low coercivity magnetic material and optionally a soft magnetic region. After the magnetisation of all magnetic regions in a first direction first magnetic signals from the security element are detected with a first magnet detector. A second magnetisation is then carried out in which the low coercivity magnetic material is re magnetised anti parallel to the first magnetisation but the high coercivity magnetic material remains oriented in the first magnetisation direction. Under the effect of the second magnetic field second magnetic signals are detected with a second magnet region of the security element is identified as having high coercivity low coercivity a combined or a soft magnetic region.

No. of Pages : 39 No. of Claims : 15

(22) Date of filing of Application :08/05/2014

(21) Application No.3478/CHENP/2014 A

(43) Publication Date : 16/10/2015

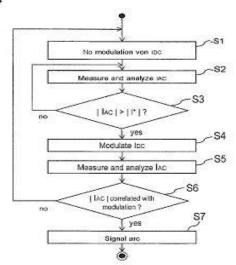
#### (54) Title of the invention : METHOD AND APPARATUS FOR DETECTING AN ARC IN A DC CIRCUIT

(51) International classification	:H02H1/00	(71)Name of Applicant :
(31) Priority Document No	:10 2011 054 518.2	1)SMA SOLAR TECHNOLOGY AG
(32) Priority Date	:14/10/2011	Address of Applicant :Sonnenallee 1 34266 Niestetal Germany
(33) Name of priority country	:Germany	(72)Name of Inventor :
(86) International Application No	:PCT/EP2012/070311	1)LANG Johannes
Filing Date	:12/10/2012	2)WEGENER Thomas
(87) International Publication No	:WO 2013/053912	3)KRATOCHVIL Marcel
(61) Patent of Addition to Application Number	:NA	4)BEHRENDS Holger
Filing Date	:NA	5)VIOTTO Michael
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

ACACDCDCACThe invention relates to a method for detecting an arc in a DC circuit. The method comprises the following steps. An AC component (I) of a current (I) flowing in the circuit is measured and analyzed and at least one parameter of the AC component (I) is determined. The level of a DC component (I) of the current (I) is varied and a degree of correlation between the level of the DC component (I) of the current (I) flowing in the DC circuit and the at least one parameter of the AC component (I) is determined. An arc is detected and signaled on the basis of the degree of correlation determined. The invention also relates to an apparatus for carrying out the method and to an inverter comprising such an apparatus.

Fig. 4



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

(22) Date of filing of Application :22/05/2014

(54) Title of the invention : SUBSTRATE COATING METHOD

(21) Application No.3862/CHENP/2014 A

## (43) Publication Date : 16/10/2015

· · ·		•
(51) International classification	:B05D1/28B05D1/26	(71)Name of Applicant :
(31) Priority Document No	:2011269616	1)JFE STEEL CORPORATION
(32) Priority Date	:09/12/2011	Address of Applicant :2 3 Uchisaiwai cho 2 chome Chiyoda ku Tokyo
(33) Name of priority country	:Japan	1000011 Japan
(86) International Application No	:PCT/JP2012/007783	(72)Name of Inventor :
Filing Date	:05/12/2012	1)KOBAYASHI Hirokazu
(87) International Publication No	:WO 2013/084483	2)SASAKI Masato
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

Provided is a substrate (1) coating method that when coating multiple layers of coating liquids on a continuously running substrate (1) using a roll coater can apply thin films beautifully at high speed. Multiple layers of coating liquids are supplied to a rotating applicator roll (5) by a die coater (7). Then the applicator roll (5) is brought into contact with a continuously running substrate (1) to transfer the multiple layers of coating liquids onto the substrate (1). At this time the applicator roll (5) rotates in the direction opposite to the substrate (1) at the area of contact with the substrate (1). For the multiple layers of coating liquids supplied by the die coater (7)  $\mu 1 < \mu 2$  when the coefficient of viscosity of the coating liquid forming the lowest layer on the applicator roll (5) is  $\mu 1$  and the coefficient of viscosity for the coating liquid(s) forming the upper layer(s) is  $\mu 2$ . The multiple coating liquids remaining on the applicator roll (5) without being transferred to the substrate (1) are removed from the applicator roll (5).

No. of Pages : 49 No. of Claims : 7

(22) Date of filing of Application :22/05/2014

(21) Application No.3863/CHENP/2014 A

# (43) Publication Date : 16/10/2015

(32) Priority Date:10/11/2011(33) Name of priority country:Republic of Korea(86) International Application No:PCT/KR2012/009524	<ul> <li>(71)Name of Applicant :</li> <li>1)LSIS CO. LTD. Address of Applicant :1026 6 Hogye dong Dongan gu Anyang si Gyeonggi do 431 080 Republic of Korea</li> <li>(72)Name of Inventor :</li> <li>1)BAEK Ki Ho</li> </ul>

## (57) Abstract :

A molded case circuit breaker according to the present invention comprises: a front compartment; a rear compartment separated from the front compartment; a fixed contact part which is disposed on one side of the front compartment and which comes into electrical contact with a power source or a subordinate thereof; a operating contact part which is movably disposed in the front compartment and which comes into contact with or is separated from the fixed contact part; an opening/closing device which is disposed in the rear compartment and which operates so as to bring the operating contact part in contact with the fixed contact part or to separate the operating contact part from the fixed contact part; an operating device which is disposed on one side of the front compartment and which extinguishes an arc induced during the process of separation of the fixed contact part and the operating contact part; and a barrier for preventing from at least one location separated from the fixed contact part the arc from moving to the rear during the trajectory of the operating contact part.

No. of Pages : 32 No. of Claims : 10

(22) Date of filing of Application :01/05/2014

(21) Application No.3296/CHENP/2014 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : ION EXCHANGE COMPOSITIONS METHODS FOR MAKING AND MATERIALS PREPARED THEREFROM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:C08J5/22 :13/253227 :05/10/2011 :U.S.A. :PCT/US2012/053770 :05/09/2012 :WO 2013/052227 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)GENERAL ELECTRIC COMPANY Address of Applicant :1 River Road Schenectady NY 12345 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)MACDONALD Russell James</li> <li>2)GUDIPATI Chakravarthy</li> <li>3)ZHANG Kai</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

An ion exchange polymer composition is provided which includes a primary crosslinker and a secondary crosslinker. The primary crosslinker includes a crosslinked ionic monomer including a quaternary ammonium group. A method for making the ion exchange polymer composition and materials prepared from the ion exchange polymer composition are also provided.

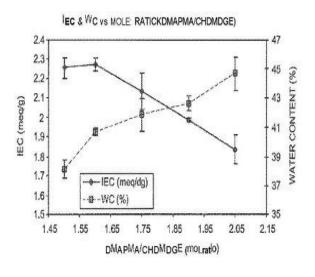


FIGURE No. of Pages : 28 No. of Claims : 20

(22) Date of filing of Application :15/05/2014

(21) Application No.3676/CHENP/2014 A

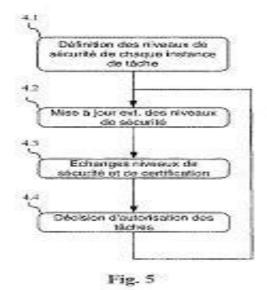
(43) Publication Date : 16/10/2015

(54) Title of the invention : METHOD OF SEQUENCING ON A MULTICORE PROCESSOR

	CO.CE0/49	
(51) International classification	:G06F9/48	(71)Name of Applicant :
(31) Priority Document No	:1160274	1)SAGEM DEFENSE SECURITE
(32) Priority Date	:10/11/2011	Address of Applicant :18 20 Quai du Point du Jour F 92100 Boulogne
(33) Name of priority country	:France	Billancourt France
(86) International Application No	:PCT/EP2012/072184	(72)Name of Inventor :
Filing Date	:08/11/2012	1)VALPARD Christian
(87) International Publication No	:WO 2013/068494	
(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 relates to the field of real time executives and their adaptation for secure execution on a multicore processor. There is defined in addition to the level of certification intrinsic to each task a level of security relating to the criticality of the execution of the instance of the task in its context and by a method of sequencing distributed over the various cores which make it possible to exchange during each time interval the information relating to the level of certification and to the level of security of each of the tasks getting ready to be launched. A decision is then taken on each core for launching the task envisaged as a function of the relevant information received from the other cores.



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

(22) Date of filing of Application :22/05/2014

(21) Application No.3866/CHENP/2014 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : HANDHELD OPTOACOUSTIC PROBE		
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)SENO MEDICAL INSTRUMENTS INC. Address of Applicant :5253 Prue Road Suite 315 San Antonio TX 78240 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)HERZOG Donald G.</li> <li>2)MILLER Thomas G.</li> </ul>

(57) Abstract :

A handheld optoacoustic probe includes an ultrasound transducer array and optical fibers with a first end formed into a fiber bundle providing an input and a second distal end providing an output. A light bar guide retains the distal end of the optical fibers on the same plane. One or more optical windows may be associated with and spaced from the light bar guide so as to prevent contact between a coupling agent and the distal ends of the optical fibers thus mitigating a potential acoustic effect of the coupling agent in response to light emitting from the fibers. A silicon rubber acoustic lens doped with TiO2 may be provided with a reflective metal surrounding the outer surface of the acoustic lens. A handheld probe shell houses the light bar guide the ultrasound transducer array and the acoustic lens.

No. of Pages : 35 No. of Claims : 34

(22) Date of filing of Application :22/05/2014

(21) Application No.3867/CHENP/2014 A

(43) Publication Date : 16/10/2015

## (54) Title of the invention : METHOD OF APPLYING EDGE OFFSET

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:H04N7/26 :1020120005334 :17/01/2012 :Republic of Korea :PCT/CN2013/070222 :08/01/2013	<ul> <li>(71)Name of Applicant :</li> <li>1)GENIP PTE. LTD.</li> <li>Address of Applicant :10 Anson Road # 23 14G International Plaza</li> <li>Singapore 079903 Singapore</li> <li>(72)Name of Inventor :</li> <li>1)JANG Min</li> </ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:WO 2013/107314 :NA :NA :NA	
Filing Date	:NA	

# (57) Abstract :

Provided is a methodgenerates an edge index of a current sample and applies an edge offset corresponding to the edge index to the current sample. The edge index is generated using the differences between a current sample and two neighboring samples determined by an edge offset type. Accordingly the difference between original samples and reconstructed samples are effectively reduced by generating the optimum edge index. Also the quantity of bits required for reducing the differences are reduced by fixing the sign of offset to positive or negative.

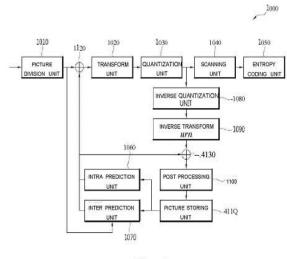


Fig 1

No. of Pages : 31 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :22/05/2014

(43) Publication Date : 16/10/2015

## (54) Title of the invention : DEVICE FOR THERMAL CONVECTION POLYMERASE CHAIN REACTION

(51) International classification	:C12M1/38C12Q1/68B01L7/00	(71)Name of Applicant :
(31) Priority Document No	:.	1)GENEREACH BIOTECHNOLOGY CORP.
(32) Priority Date	:22/05/2014	Address of Applicant :No. 19 Keyuan 2nd Rd. Xitun Dist. Taichung
(33) Name of priority country	:	City 407 Taiwan China
(86) International Application No	:PCT/CN2011/001941	(72)Name of Inventor :
Filing Date	:22/11/2011	1)SU Cheng
(87) International Publication No	:WO 2013/075263	2)TENG Ping Hua
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided in the present invention is a device for thermal convection polymerase chain reaction (PCR). The device is used for bearing a test tube such that PCR is performed in the test tube. The device comprises a heat radiating base which has a body and a passage provided through the body to be used for the insertion of the test tube wherein the passage has a large diameter section and a small diameter section positioned below the large diameter section. Therefore it can be ensured that during the PCR process the surface temperature of the mixed liquid is lower than the temperature required in a primer annealing reaction.

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

(22) Date of filing of Application :20/05/2014

(21) Application No.3791/CHENP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : PRODUCTION OF ACETYL COENZYME A DERIVED ISOPRENOIDS

(31) Priority Document No:61(32) Priority Date:09(33) Name of priority country:U.(86) International Application No:PCFiling Date:09(87) International Publication No:W(61) Patent of Addition to Application:NLNumber:NLFiling Date:NL(62) Divisional to Application Number:NL	CT/US2012/064532 9/11/2012 VO 2013/071172 JA JA	<ul> <li>(71)Name of Applicant :</li> <li>1)AMYRIS INC. Address of Applicant :5885 Hollis Street Suite 100 Emeryville California 94608 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)GARDNER Timothy Stevens</li> <li>2)HAWKINS Kristy Michelle</li> <li>3)MEADOWS Adam Leon</li> <li>4)TSONG Annie Ening</li> <li>5)TSEGAYE Yoseph</li> </ul>
Filing Date :NA	JA	

(57) Abstract :

Provided herein are compositions and methods for the heterologous production of acetyl CoA derived isoprenoids in a host cell. In some

embodiments the host cell is genetically modified to comprise a heterologous nucleotide sequence encoding an acetaldehyde dehydrogenase acetylating (ADA E.C. 1.2.1.10) and an MEV pathway comprising an NADH using HMG CoA reductase. In some embodiments the

host cell is genetically modified to comprise a heterologous nucleotide sequence encoding an ADA and an MEV pathway comprising an acetoacetyl CoA synthase. In some embodiments the genetically modified host cell further comprises one or more heterologous nucleotide sequences encoding a phosphoketolase and a phosphotransacetylase. In some embodiments the genetically modified host cell further comprises one or more heterologous nucleotide sequences encoding a phosphoketolase and a phosphotransacetylase. In some embodiments the genetically modified host cell further comprises a functional disruption of the native PDH bypass. The compositions and methods described herein provide an energy efficient yet redox balanced route for the heterologous production of acetyl CoA derived isoprenoids.

No. of Pages : 196 No. of Claims : 55

(19) INDIA

(22) Date of filing of Application :20/05/2014

(43) Publication Date : 16/10/2015

## (54) Title of the invention : METHOD FOR PRODUCING CELLULASE AND APPARATUS FOR SAID METHOD

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:C12N9/42B01D61/14B01D61/18 :2011253706 :21/11/2011 :Japan :PCT/JP2012/080123 :21/11/2012 :WO 2013/077341 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)TORAY INDUSTRIES INC. Address of Applicant :1 1 Nihonbashi Muromachi 2 chome Chuo ku Tokyo 1038666 Japan</li> <li>(72)Name of Inventor :</li> <li>1)KURIHARA Hiroyuki</li> <li>2)YAMADA Katsushige</li> </ul>
Filing Date (62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method for producing a cellulase comprising steps (1) to (3) mentioned below wherein the resultant cellulase can be used effectively in washing agents and for the hydrolysis of starches the hydrolysis of celluloses and so on: (1) filtrating an aqueous solution of a cellulase originated from a filamentous fungus through an ultrafiltration membrane having a cut off molecular weight of 100 000 to 200 000 to produce a filtrate and a concentrated enzyme solution that is a non filtrate; (2) filtering the filtrate produced in step (1) through a second ultrafiltration membrane having a cut off molecular weight of 5 000 to 50 000 to produce a second concentrated enzyme solution that is a non filtrate; (2) together to produce a cellulase originated from the filamentous fungus.

No. of Pages : 50 No. of Claims : 8

(22) Date of filing of Application :23/05/2014

(21) Application No.3883/CHENP/2014 A

(43) Publication Date : 16/10/2015

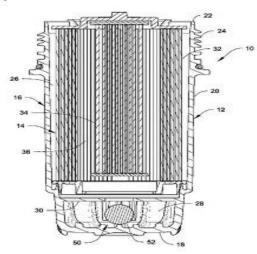
## (54) Title of the invention : FUEL WATER SEPARATOR FILTER WITH WATER DRAIN

	B 0	
(51) International classification	:BOW 27/08	(71)Name of Applicant :
(31) Priority Document No	:61/577324	1)CUMMINS FILTRATION IP INC.
(32) Priority Date	:19/12/2011	Address of Applicant :1400 73rd Avenue NE Minneapolis MN 55432
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2012/070050	(72)Name of Inventor :
Filing Date	:17/12/2012	1)TERRY Brian J.
(87) International Publication No	:WO 2013/096179	2)CURT Carey A.
(61) Patent of Addition to Application Number	:NA	3)JOHNSON Mark J.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

A fuel water separator (FWS) filter that is configured to permit water to be drained from the water sump of the FWS filter without shutting off fuel flow to the FWS filter. A check valve is positioned between the water sump and the filter element. When the FWS filter is under vacuum (e.g. as in operation) the check valve can be closed to allow water to drain from the sump. The check valve can close automatically by floating on accumulated water in the sump until the water rises to a level where the check valve is closed. The check valve can also close by opening the drain valve of the FWS filter which causes a differential pressure between the sump and the vacuum created in the filter element chamber which forces the check valve to close.

FiB. 1



No. of Pages : 21 No. of Claims : 10

(22) Date of filing of Application :23/05/2014

(21) Application No.3884/CHENP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : COLLAGEN LIKE SILK GENES

(51) International classification (31) Priority Document No	:C12N15/63C07K14/435A61K47/42 :61/560649	(71)Name of Applicant : 1)COMMONWEALTH SCIENTIFIC AND INDUSTRIAL
(32) Priority Date	:16/11/2011	RESEARCH ORGANISATION
(33) Name of priority country	:U.S.A.	Address of Applicant :Limestone Avenue Campbell Australian
(86) International Application No	:PCT/AU2012/001412	Capital Territory 2612 Australia
Filing Date	:15/11/2012	(72)Name of Inventor :
(87) International Publication No	:WO 2013/071356	1)SUTHERLAND Tara
(61) Patent of Addition to	:NA	2)HARITOS Victoria Shirley
Application Number	:NA	3)WEISMAN Sarah
Filing Date	.NA	4)RAMSHAW John Alan Maurice
(62) Divisional to Application	:NA	5)PENG Yong Yi
Number	:NA	6)OKADA Shoko
Filing Date	INA	7)WALKER Andrew Allan

(57) Abstract :

The present invention relates to silk proteins which can be used to produce silk with a collagen like structure as well as nucleic acids encoding such proteins. The present invention also relates to recombinant cells and/or organisms which synthesize silk proteins. Silk proteins of the invention can be used for a variety of purposes such as in the production of personal care products plastics textiles and biomedical products.

No. of Pages : 76 No. of Claims : 31

(22) Date of filing of Application :10/04/2014

(21) Application No.1890/CHE/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : PHARMACEUTICAL FORMULATIONS COMPRISING A GLUCOCORTICOSTEROID

	4 61 17	
(51) International classification	:A61K	(71)Name of Applicant :
(31) Priority Document No	:NA	1)AUROBINDO PHARMA LTD
(32) Priority Date	:NA	Address of Applicant : THE WATER MARK BUILDING PLOT NO.
(33) Name of priority country	:NA	11 SURVEY NO. 9 KONDAPUR HITECH CITY HYDERABAD - 500
(86) International Application No	:NA	084 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)GANNIMITTA ARVIND
(61) Patent of Addition to Application Number	:NA	2)JAIN SACHIN
Filing Date	:NA	3)RASE SAGAR
(62) Divisional to Application Number	:NA	4)KARAJGI JAYANT
Filing Date	:NA	5)MEENAKSHISUNDERAM SIVAKUMARAN

(57) Abstract :

Sterile formulation comprising glucocorticosteroids process for the preparation of the sterile formulation and method of using the same are provided. The present invention also relates to sterile formulation comprising budesonide process for the preparation of the sterile formulation and method of using the same.

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

(22) Date of filing of Application :20/05/2014

(21) Application No.3804/CHENP/2014 A

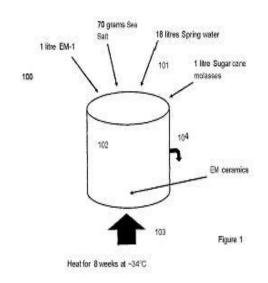
(43) Publication Date : 16/10/2015

## (54) Title of the invention : CLEANING FLUID

	C12N1/00C11D0/20C12D1/01	
(51) International classification	:C12N1/00C11D9/38C12R1/01	
(31) Priority Document No	:1120014.4	1)MCLEAN CLEANING LTD
(32) Priority Date	:21/11/2011	Address of Applicant :45 Lingfield Common Road Lingfield Surrey
(33) Name of priority country	:U.K.	RH7 6BZ U.K.
(86) International Application No	:PCT/GB2012/052866	(72)Name of Inventor :
Filing Date	:20/11/2012	1)AVERY Gillian Susan
(87) International Publication No	:WO 2013/076468	2)VERNON Michael Peter
(61) Patent of Addition to Application	:NA	3)CROCKETT William Michael
Number	:NA	4)McLEAN Laura Dawn
Filing Date	.114	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A cleaning fluid comprising glycerin and a culture of micro organisms said culture comprising lactic acid bacteria actinomycetes photosynthetic bacteria yeast and fungi.



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

(19) INDIA

(22) Date of filing of Application :21/05/2014

(43) Publication Date : 16/10/2015

## (54) Title of the invention : MODIFIED Y ZEOLITE METHOD FOR PREPARING SAME AND USE THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:C01B39/24B01J29/08C10G11/05 :201110328762.0 :26/10/2011 :China :PCT/CN2012/001436 :26/10/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)CHINA PETROLEUM &amp; CHEMICAL CORPORATION Address of Applicant :22 Chaoyangmen North Street Chaoyang District Beijing 100728 China</li> <li>2)RESEARCH INSTITUTE OF PETROLEUM PROCESSING SINOPEC</li> </ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:NA :NA	<ul> <li>(72)Name of Inventor :</li> <li>1)LUO Yibin</li> <li>2)ZHUANG Li</li> <li>3)LI Minggang</li> <li>4)OUYANG Ying</li> <li>5)SHU Xingtian</li> </ul>

(57) Abstract :

 $23200^{\circ}C500^{\circ}C800^{\circ}CDisclosed is a modified Y zeolite. Same is characterized in that the lattice constant is between 2.420 nm and 2.440 nm; as a weight percent of the modified Y zeolite the content of P is between 0.05% and 6% the content of REO is between 0.03% and 10% the content of aluminum oxide is less than 22% the specific concentration of a hydroxyl nest is less than 0.35mmol/g and greater than 0.05mmol/g where the specific concentration of the hydroxyl nest = formula (I) (Unit: mmol/g). In the formula M M and M respectively represent weight loss percentages of a sample when tested at the temperatures of 200°C 500°C and 800°C while C is the crystallinity of the sample. The zeolite has a reduced number of lattice defects when used as an active component in a catalytic cracking catalyst is capable of sustaining a long period of stable activity effectively controls coke yield and increases heavy oil utilization rate. The present invention also relates to a method for preparing the modified Y zeolite and a use thereof.$ 

No. of Pages : 34 No. of Claims : 11

(22) Date of filing of Application :21/05/2014

(21) Application No.3806/CHENP/2014 A

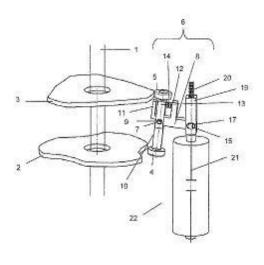
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : STEPPING SWITCH WITH VACUUM SWITCHING TUBES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:10 2011 119 318.2 :23/11/2011 :Germany :PCT/EP2012/070681 :18/10/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)MASCHINENFABRIK REINHAUSEN GMBH Address of Applicant :Falkensteinstrae 8 93059 Regensburg Germany</li> <li>(72)Name of Inventor :</li> <li>1)H–PFL Klaus</li> <li>2)WREDE Silke</li> </ul>
(87) International Publication No (61) Patent of Addition to Application Number	:WO 2013/075893 :NA	
Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract :

The invention relates to a stepping switch with vacuum switching tubes (22) according to the preamble of the first claim. According to the invention the general inventive concept consists in providing a second cam disc (3) which is rotationally fixed to the driveshaft (1) in addition to the first cam disc (2) which is rotationally fixed to the driveshaft (1) and which is known from the prior art for applying the force of the opening stroke of the contact system of the vacuum switching tubes (22). The second cam disc exerts a sufficiently high closing force onto the movable follower of the vacuum switching tubes (22) via a spring lever system provided on the rocker arm arrangement (6) even in the event of a short circuit stress and additionally allows a tolerance compensation of the contact system.



Figur 1

No. of Pages : 12 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :23/05/2014

(21) Application No.3890/CHENP/2014 A

(43) Publication Date : 16/10/2015

## (54) Title of the invention : GENETICALLY MODIFIED T CELL RECEPTOR MICE

(51) International classification	:C07K14/705A01K67/027	(71)Name of Applicant : 1)REGENERON PHARMACEUTICALS INC.
(31) Priority Document No	:61/552582	Address of Applicant :777 Old Saw Mill River Road Tarrytown NY
(32) Priority Date	:28/10/2011	10591 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/US2012/062065	1)MACDONALD Lynn
Filing Date	:26/10/2012	2)MURPHY Andrew J.
(87) International Publication No	:WO 2013/063361	3)MCWHIRTER John
(61) Patent of Addition to Application Number	r :NA	4)TU Naxin
Filing Date	:NA	5)VORONINA Vera
(62) Divisional to Application Number	:NA	6)GURER Cagan
Filing Date	:NA	7)MEAGHER Karolina
-		8)STEVENS Sean

Т

(57) Abstract :

The invention provides a genetically modified non human animal that comprises in its genome unrearranged T cell receptor variable gene loci as well as non human embryos cells and tissues comprising the same. Also provided are constructs for making said genetically mod ified non human animal and methods of making the same. Various methods of using the genetically modified non human animal are also provided.

No. of Pages : 109 No. of Claims : 68

(22) Date of filing of Application :08/05/2014

(21) Application No.3496/CHENP/2014 A

(43) Publication Date : 16/10/2015

## (54) Title of the invention : RADIATION SENSITIVE DETECTOR DEVICE WITH CHARGE REJECTING SEGMENT GAPS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:G01T1/24H01L27/146 :61/557480 :09/11/2011 :U.S.A. :PCT/IB2012/056231 :07/11/2012 :WO 2013/068944	<ul> <li>(71)Name of Applicant :</li> <li>1)KONINKLIJKE PHILIPS N.V. Address of Applicant :High Tech Campus 5 NL 5656 AE Eindhoven Netherlands</li> <li>(72)Name of Inventor :</li> <li>1)ENGEL Klaus J¼rgen</li> <li>2)HERRMANN Christoph</li> </ul>
		2)HERRMANN Christoph
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

In radiation sensitive detector devices such as direct conversion detectors charges are drifting within an externally applied electric field towards collecting electrodes (4) which are segmented (e.g. representing a pixel array). At the gaps between segments electrical field lines can leave the detector and charges drifting along those field lines can be trapped within the gap. This can be avoided by external electrodes (8) which push electric field lines back into the direct conversion material.

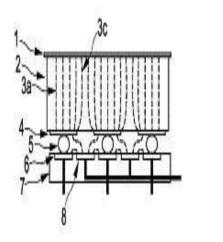


FIG.

No. of Pages : 15 No. of Claims : 12

(22) Date of filing of Application :21/05/2014

(21) Application No.3800/CHENP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : SIGNALING OF SUPPORTED CARRIER BANDWIDTHS FOR CARRIER AGGREGATION

(51) International classification	:H04L5/00	(71)Name of Applicant :
(31) Priority Document No	:61/565978	1)QUALCOMM INCORPORATED
(32) Priority Date	:01/12/2011	Address of Applicant :5775 Morehouse Drive San Diego California
(33) Name of priority country	:U.S.A.	92121 U.S.A.
(86) International Application No	:PCT/US2012/067101	(72)Name of Inventor :
Filing Date	:29/11/2012	1)KITAZOE Masato
(87) International Publication No	:WO 2013/082303	2)JI Tingfang
(61) Patent of Addition to Application Number	:NA	3)GAAL Peter
Filing Date	:NA	4)FONG Gene
(62) Divisional to Application Number	:NA	5)CASACCIA Lorenzo
Filing Date	:NA	6)FLORE Oronzo

# (57) Abstract :

Techniques for signaling carrier bandwidths supported by a user equipment (UE) for carrier aggregation are disclosed. A UE may be configured with a plurality of carriers for carrier aggregation. Each carrier may have one carrier bandwidth of a set of possible carrier bandwidths. The set of possible carrier bandwidths may be dependent on a band in which the carrier belongs. Multiple combinations of carrier bandwidths for the plurality of carriers may be possible. The UE may identify at least one supported carrier bandwidth combination for the plurality of carriers. Each of the supported carrier bandwidth combinations may include a particular carrier bandwidth for each configured carrier. The UE may send signaling indicative of the at least one supported carrier bandwidth combination. The UE may thereafter communicate on the plurality of carriers based on a carrier bandwidth combination selected from the supported carrier bandwidth combination(s).

No. of Pages : 32 No. of Claims : 44

(22) Date of filing of Application :21/05/2014

(21) Application No.3801/CHENP/2014 A

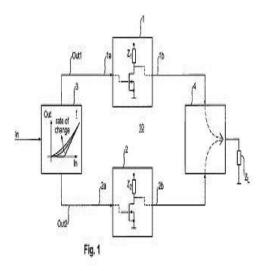
(43) Publication Date : 16/10/2015

(54) Title of the invention : RADIO FREQUENCY POWER AMPLIFIER CIRCUIT AND METHOD

:H03F1/02H03F3/21	(71)Name of Applicant :
:61/577741	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
:20/12/2011	Address of Applicant :S 164 83 Stockholm Sweden
:U.S.A.	(72)Name of Inventor :
:PCT/EP2012/056429	1)HELLBERG Richard
:10/04/2012	2)FOND‰N Tony
:WO 2013/091905	3)KLINGBERG Mats
:NA	
:NA	
:NA	
:NA	
	:61/577741 :20/12/2011 :U.S.A. :PCT/EP2012/056429 :10/04/2012 :WO 2013/091905 :NA :NA :NA

# (57) Abstract :

LThe present invention relates to an amplifier circuit (10) for providing a radio frequency output signal having a variable signal envelope comprising a main amplifier device and an auxiliary amplifier and a combiner network (4) for combining an output signal from said first amplifier device (1) and a second output signal from said second amplifier device (2) to provide a combined output signal of variable signal envelope to a load () and a signal processing circuit (3) comprising an input (In) and a non linear processing section (31; 41) to provide at least said second radio frequency output signal (Out2) with a signal envelope that has a non linear dependency (f) from an amplitude characteristic of the input signal (In) such that the degree of non linearity of the non linear dependency (f) varies dependent on the amount of change per time unit of the amplitude characteristic of the input signal (In). Further the present invention relates to a method of power amplifying a radio frequency signal having a variable signal envelope.



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

(19) INDIA

(22) Date of filing of Application :21/05/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : ARYL DIHYDROPYRIDINONES AND PIPERIDINONES AS MGAT2 INHIBITORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application Notifing Date</li> <li>(87) International Publication Notified</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:30/11/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)BRISTOL MYERS SQUIBB COMPANY Address of Applicant :P.O. Box 4000 Route 206 and ProvinceLine Road Princeton New Jersey 08543 4000 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)TURDI Huji</li> <li>2)HANGELAND Jon J.</li> <li>3)LAWRENCE R. Michael</li> <li>4)CHENG Dong</li> <li>5)AHMAD Saleem</li> <li>6)MENG Wei</li> <li>7)BRIGANCE Robert Paul</li> <li>8)DEVASTHALE Pratik</li> <li>9)ZHAO Guohua</li> </ul>
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(57) Abstract :

The present invention provides compounds of Formula (I) or a stereoisomer or a pharmaceutically acceptable salt thereof wherein all of the variables are as defined herein. These compounds are monoacylglycerol acyltransferase type 2 (MGAT2) inhibitors which may be used as medicaments.

No. of Pages : 274 No. of Claims : 15

(22) Date of filing of Application :23/05/2014

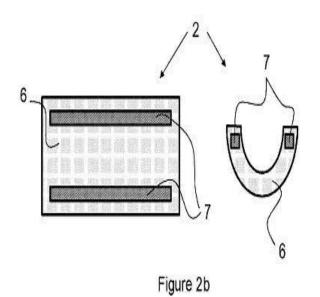
# (43) Publication Date : 16/10/2015

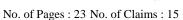
(54) Title of the invention : A WAVE	54) Title of the invention : A WAVE GUIDE	
(51) International classification	:B29D7/01C08J5/08G02B6/00	(71

(51) International classification	:B29D7/01C08J5/08G02B6/00	(71)Name of Applicant :
(31) Priority Document No	:61/564331	1)KONINKLIJKE PHILIPS N.V.
(32) Priority Date	:29/11/2011	Address of Applicant : High Tech Campus 5 NL 5656 AE Eindhoven
(33) Name of priority country	:U.S.A.	Netherlands
(86) International Application No	:PCT/IB2012/056611	(72)Name of Inventor :
Filing Date	:22/11/2012	1)VAN BOMMEL Ties
(87) International Publication No	:WO 2013/080097	2)HIKMET Rifat Ata Mustafa
(61) Patent of Addition to Application Number	:NA :NA	3)VERBEEK Roy Gerardus Franciscus Antonius
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A wave guide that can be deformed into a required shape and fixed in that shape by polymerization of the material. The wave guide substrate comprises a flexible monomer or oligomer material that is polymerized to form a rigid polymer and fix the shape of the wave guide. Light sources such as LED s and/or photo voltaic cells may be embedded within the substrate of the wave guide so that the wave guide is a luminaire or solar concentrator respectively.





(22) Date of filing of Application :20/05/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : BACKING UP FIRMWARE DURING INITIALIZATION OF DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:G06F9/22G06F9/24G06F12/16 :NA :NA :NA :PCT/US2012/020061 :03/01/2012 :WO 2013/103335 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)HEWLETT PACKARD DEVELOPMENT COMPANY L.P. Address of Applicant :11445 Compaq Center Drive W. Houston Texas 77070 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)ROCHE John D.</li> <li>2)ANBAZHAGAN Baraneedharan</li> <li>3)SCOTT Jayne E.</li> <li>4)NGUYEN Diep V.</li> </ul>
Filing Date	:NA	4)INGUYEN DIEP V.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Example embodiments disclosed herein relate to backing up firmware. An operating system can be initialized. During the initialization process memory can be set. The firmware can be backed up to storage based on the set memory.

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

(19) INDIA

(22) Date of filing of Application :20/05/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : CODING LEAST SIGNFICANT BITS OF PICTURE ORDER COUNT VALUES IDENTIFYING LONG TERM REFERENCE PICTURES

(51) International classification	:H04N7/26	(71)Name of Applicant :
(31) Priority Document No	:61/566359	1)QUALCOMM INCORPORATED
(32) Priority Date	:02/12/2011	Address of Applicant : ATTN: International IP Administration 5775
(33) Name of priority country	:U.S.A.	Morehouse Drive San Diego California 92121 1714 U.S.A.
(86) International Application No	:PCT/US2012/067355	(72)Name of Inventor :
Filing Date	:30/11/2012	1)WANG Ye Kui
(87) International Publication No	:WO 2013/082464	2)RAMASUBRAMONIAN Adarsh Krishnan
(61) Patent of Addition to Application Number	:NA	3)CHEN Ying
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In general techniques are described for coding picture order count values identifying long term reference pictures. A video decoding device comprising a processor may perform the techniques. The processor may be configured to determine a number of bits used to represent least significant bits of the picture order count value that identifies a long term reference picture to be used when decoding at least a portion of a current picture and parse the determined number of bits from a bitstream representative of the encoded video data. The parsed bits represent the least significant bits of the picture order count value. The processor retrieves the long term reference picture from a decoded picture buffer based on the least significant bits and decodes at least the portion of the current picture using the retrieved long term reference picture.

No. of Pages : 108 No. of Claims : 70

(22) Date of filing of Application :20/05/2014

(21) Application No.3798/CHENP/2014 A

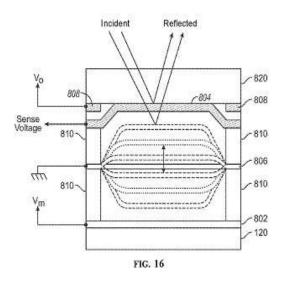
(43) Publication Date : 16/10/2015

# (54) Title of the invention : SYSTEMS DEVICES AND METHODS FOR DRIVING AN ANALOG INTERFEROMETRIC MODULATOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:G09G3/34 :13/306802 :29/11/2011 :U.S.A. :PCT/US2012/065509 :16/11/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM MEMS TECHNOLOGIES INC. Address of Applicant :5775 Morehouse Drive San Diego California</li> <li>92121 1714 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)HONG John H.</li> </ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:WO 2013/081856 :NA :NA :NA :NA	2)LEE Chong U. 3)MARSH Gene W.

# (57) Abstract :

This disclosure provides systems methods and apparatus for calibrating and controlling the actuation of an analog interferometric modulator. In one aspect an electrode of a movable layer of the analog interferometric modulator may include a part for receiving a drive voltage and an electrically isolated part. A voltage may be sensed from the electrically isolated part and used to determine the position of the movable layer and/or provide feedback to the drive voltage.



No. of Pages : 58 No. of Claims : 30

(22) Date of filing of Application :20/05/2014

(21) Application No.3799/CHENP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : MICROSPEAKER WITH PIEZOELECTRIC CONDUCTIVE AND DIELECTRIC MEMBRANE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:13/306397 :29/11/2011 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM MEMS TECHNOLOGIES INC. Address of Applicant :5775 Morehouse Drive San Diego California</li> <li>92121 1714 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)STEPHANOU Philip Jason</li> <li>2)BURNS David William</li> <li>3)SHENOY Ravindra V.</li> </ul>
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# (57) Abstract :

This disclosure provides systems methods and apparatus for microspeaker devices. In one aspect a microspeaker element may include a deformable dielectric membrane that spans a speaker cavity. The deformable dielectric membrane can include a piezoactuator and a dielectric layer. Upon application of a driving signal to the piezoactuator the dielectric layer can deflect producing sound. In some implementations an array of microspeaker elements can be encapsulated between a glass substrate and a cover glass. Sound generated by the microspeaker elements can be emitted through a speaker grill formed in the cover glass.

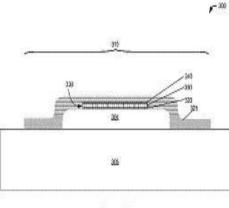


Figure 14B

No. of Pages : 72 No. of Claims : 27

(22) Date of filing of Application :23/05/2014

(21) Application No.3899/CHENP/2014 A

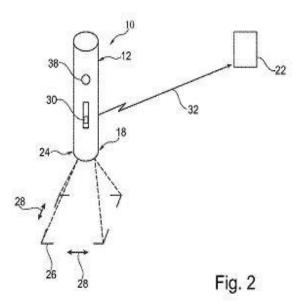
(43) Publication Date : 16/10/2015

# (54) Title of the invention : USER INTERFACE FOR X RAY POSITIONING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:A61B6/08 :61/559194 :14/11/2011 :U.S.A. :PCT/IB2012/056227 :07/11/2012 :WO 2013/072814 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)KONINKLIJKE PHILIPS N.V. Address of Applicant :High Tech Campus 5 NL 5656 AE Eindhoven Netherlands</li> <li>(72)Name of Inventor :</li> <li>1)SABCZYNSKI Jrg</li> <li>2)DRIES Sebastian Peter Michael</li> </ul>
	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract :

The present invention relates to positioning of an X ray source. In order to provide an improved user interface for facilitating the X ray imaging positioning a transportable handheld planning device (10) for visualizing projected X ray radiation for medical X ray imaging is provided that comprises a first structure (12) for representing a central axis (14) of a projected X ray radiation (16) and a second structure (18) for representing a central axis (14) of a projected X ray radiation (16) and a second structure (18) for representing a cross sectional area (20) of the projected X ray radiation. The first structure is manually positionable by a user in relation to an object to be examined. The second structure is adjustable by a user such that the size and proportions of the cross sectional area are adjustable in relation to the object to be examined. Further a current spatial position of the first structure and a current size and proportions of the cross sectional area are detectable by a measurement arrangement (22).



No. of Pages : 25 No. of Claims : 14

(22) Date of filing of Application :23/05/2014

(21) Application No.3910/CHENP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : METHOD OF DERIVING MOTION INFORMATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:H04N7/32 :1020110115220 :07/11/2011 :Republic of Korea :PCT/CN2012/084242 :07/11/2012 :WO 2013/067939 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)INFOBRIDGE PTE. LTD. Address of Applicant :10 Anson Road #23 140 International Plaza Singapore 079903 Singapore</li> <li>(72)Name of Inventor :</li> <li>1)OH Soo Mi</li> <li>2)YANG Moonock</li> </ul>
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(57) Abstract :

Provided is a methodextracts a merge index from a bit stream constructs a merge candidate list using available spatial and temporal merge candidates selects a merge predictor among merge candidates listed in the merge candidate list using the merge index and sets motion information of the merge predictor as motion information of the current prediction unit. The temporal merge candidate includes a reference picture index and a motion vector zero is set as the reference picture index of the temporal merge candidate and a motion vector of a temporal merge candidate block of a temporal merge candidate picture is set as the motion vector of the temporal merge candidate. Accordingly the coding efficiency of the motion information is improved by including various merge candidates. Also the computational complexity of an encoder and a decoder is reduced maintaining improvement of coding efficiency by adaptively storing motion information of reference picture and adaptively generating a temporal merge candidate.



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

(22) Date of filing of Application :23/05/2014

(21) Application No.3911/CHENP/2014 A

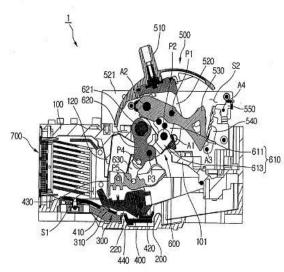
# (43) Publication Date : 16/10/2015

(54) Title of the invention : MOLDED CASE CI	RCUIT BREAKER	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)LSIS CO. LTD.</li> <li>Address of Applicant :1026 6 Hogye dong Dongan gu Anyang si</li> <li>Gyeonggi do 431 080 Republic of Korea</li> <li>(72)Name of Inventor :</li> <li>1)BAEK Ki Ho</li> </ul>

# (57) Abstract :

A molded case circuit breaker according to the present invention comprises: an upper outer case defining a rear compartment; a lower outer case which is coupled to the upper outer case defining a front compartment which is separated from the rear compartment along with the upper outer case; a fixed contact part which is disposed on one side of the front compartment and which comes into electrical contact with a power source or a subordinate thereof; an operating contact part which is movably disposed on one side of the front compartment and which either comes into contact with or is separated from the fixed contact part; an opening/closing device which is disposed in the rear compartment and which operates so as to bring the operating contact part into contact with the fixed contact part or to separate the operating contact part in accordance with the movements of the opening/closing device; and an electrode shaft which is disposed on one side of the upper outer case corresponding to the outer side of the front compartment and which forms the rotational center for any one fixed linking member from among the plurality of linking members.

Fig. 3



No. of Pages : 29 No. of Claims : 8

(22) Date of filing of Application :23/05/2014

(21) Application No.3912/CHENP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : APPARATUS OF DECODING VIDEO DATA

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:H04N7/26 :1020110114610 :04/11/2011 :Republic of Korea :PCT/CN2012/083997 :02/11/2012 :WO 2013/064100 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)INFOBRIDGE PTE. LTD. Address of Applicant :10 Anson road #23 140 International Plaza Singapore 079903 Singapore Singapore (72)Name of Inventor :</li> <li>1)OH Soo Mi</li> <li>2)YANG Moonock</li> </ul>
(87) International Publication No (61) Patent of Addition to Application Number	:WO 2013/064100 :NA	
(62) Divisional to Application Number Filing Date	:NA :NA :NA	

# (57) Abstract :

Provided is an apparatus that derives a luma intra prediction mode and a chroma intra prediction mode determines a size of a luma transform unit and a size of a chromatransform unit using luma transform size information adaptively filters the reference pixels of a current luma block based on the luma intra prediction mode and the size of the luma transform unit generates prediction blocks of the currentluma block and the currentcurrent block and generates a residual luma residual block and a chroma residual block. Therefore the distance of intra prediction becomes short and the amount of coding bits required to encode intra prediction modes and residual blocks of luma and chroma components is reduced and the coding complexity is reduced by adaptively encoding the intra prediction modes and adaptively filtering the reference pixels.

No. of Pages : 26 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :22/05/2014

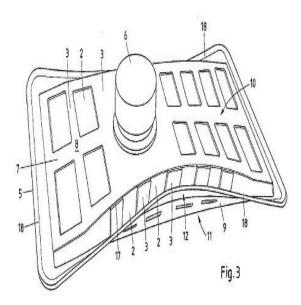
#### (43) Publication Date : 16/10/2015

# (54) Title of the invention : WATER PURIFICATION DEVICE AND METHOD FOR OPERATING A WATER PURIFICATION DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:C02F1/00C02F1/44B01D61/18 :11405358.0 :17/11/2011 :EPO :PCT/CH2012/000253 :15/11/2012 :WO 2013/071453 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)CREAHOLIC S.A. Address of Applicant :Zentralstrasse 115 CH 2503 Biel Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)MOCK Elmar</li> </ul>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A water purification device comprises a water collecting device (1) having a surface defining a variable volume and comprising a filter membrane (2) permeable to water. The device comprises an expansion device for exerting a force for increasing the volume of the water collecting device (1) and thereby drawing water through the filter membrane (2) into the water collecting device (1). The expansion device comprises a support structure (7) supporting the filter membrane (2) wherein the support structure (7) can be elastically deformed and is designed to settle snap after being deformed into one of at least two discrete stable configurations a first one of these stable configurations being a low volume configuration of the support structure (7).



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

(19) INDIA

(22) Date of filing of Application :22/05/2014

(21) Application No.3865/CHENP/2014 A

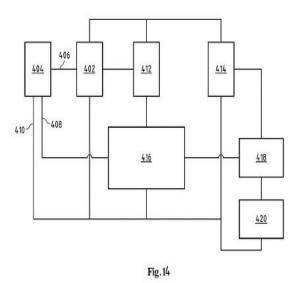
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : BATTERY DISCONNECTION CIRCUIT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>		1)SANOFI AVENTIS DEUTSCHLAND GMBH Address of Applicant :Br¼ningstrae 50 65929 Frankfurt am Main Germany
(86) International Application No	:PCT/EP2012/072794	(72)Name of Inventor :
Filing Date (87) International Publication No	:15/11/2012 :WO 2013/072444	1)YATES Barry 2)OHARE Aidan Michael
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention is related to an apparatus comprising a switch (412) configured to variably connect a device circuit (416) of an electronic device to a battery (414) a cutout control circuit (402) connected to the switch (412) and comprising a supply power input and a cutout activation input wherein the cutout control circuit (402) is configured to turn the switch (412) on when a supply voltage is connected to the supply power input. The invention is further related to a drug delivery device for delivering at least one drug agent comprising an apparatus of the aforementioned kind a charging connector for a drug delivery device of the aforementioned kind and a method for manufacturing a drug delivery device of the aforementioned kind.



No. of Pages : 55 No. of Claims : 17

(22) Date of filing of Application :21/05/2014

(21) Application No.3824/CHENP/2014 A

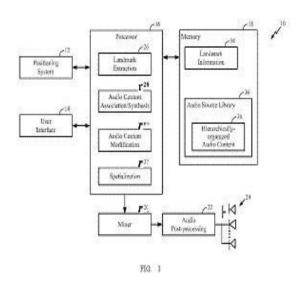
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : NAVIGATIONAL SOUNDSCAPING

(51) International classification	:G01C21/36	(71)Name of Applicant :
(31) Priority Document No	:13/327544	1)QUALCOMM INCORPORATED
(32) Priority Date	:15/12/2011	Address of Applicant :ATTN: International IP Administration 5775
(33) Name of priority country	:U.S.A.	Morehouse Drive San Diego California 92121 1714 U.S.A.
(86) International Application No	:PCT/US2012/067858	(72)Name of Inventor :
Filing Date	:05/12/2012	1)XIANG Pei
(87) International Publication No	:WO 2013/090085	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

A navigational system generates audio cues that are perceived in a three dimensional space allowing users to aurally perceive the locations of mapped objects such as landmarks. The audio cues can be produced alone or in some applications produced in conjunction with a visual navigational map display to improve the overall efficacy of the system. The audio navigation system includes a positioning system to determine the location of a user a memory to store hierarchically organized information about one or more objects and a processor to render an audio signal based on the hierarchically organized information. The audio signal is rendered into an audio space corresponding to the user so as to allow user perception of the location of at least one of the objects relative to the location of the user. The objects may be landmarks in the vicinity of the user.



No. of Pages : 26 No. of Claims : 45

(22) Date of filing of Application :21/05/2014

(21) Application No.3825/CHENP/2014 A

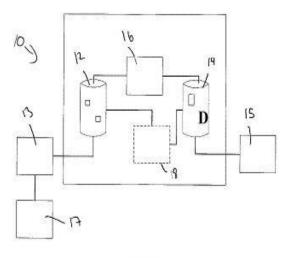
(43) Publication Date : 16/10/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR SCHEDULING EVENTS

(51) International classification	:G06F19/00	(71)Name of Applicant :
(31) Priority Document No	:4124/CHE/2011	1)KONINKLIJKE PHILIPS N.V.
(32) Priority Date	:30/11/2011	Address of Applicant : High Tech Campus 5 NL 5656 AE Eindhoven
(33) Name of priority country	:India	Netherlands
(86) International Application No	:PCT/IB2012/056545	(72)Name of Inventor :
Filing Date	:19/11/2012	1)ALVES DE INDA M;rcia
(87) International Publication No	:WO 2013/080085	2)WAANDERS Leonie Francelle
(61) Patent of Addition to Application Number	:NA	3)DITTMER Wendy Uyen
Filing Date	:NA	4)BUSSA Nagaraju
(62) Divisional to Application Number	:NA	5)MANI Arun Kumar
Filing Date	:NA	6)DITTMER Janke Jrn

(57) Abstract :

The present invention relates to systems for planning use of resources under consideration of time constraints. The present invention further relates to methods for scheduling use of resources under consideration of time constraints.





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

(22) Date of filing of Application :21/05/2014

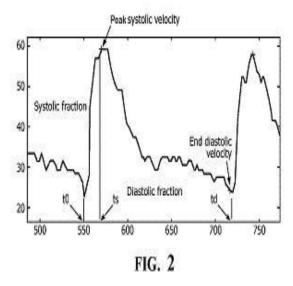
(43) Publication Date : 16/10/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR IDENTIFYING HIGH RISK PREGNANCIES

		(71)Name of Applicant :
(51) International classification	:A61B8/06A61B5/02	1)KONINKLIJKE PHILIPS N.V.
(31) Priority Document No	:4125/CHE/2011	Address of Applicant : High Tech Campus 5 NL 5656 AE Eindhoven
(32) Priority Date	:30/11/2011	Netherlands
(33) Name of priority country	:India	(72)Name of Inventor :
(86) International Application No	:PCT/IB2012/056726	1)VAJINEPALLI Pallavi
Filing Date	:26/11/2012	2)DAS Ranjan
(87) International Publication No	:WO 2013/080115	3)FIRTION Celine
(61) Patent of Addition to Application Number	:NA	4)SISODIA Rajendra Singh
Filing Date	:NA	5)GUPTA Lalit
(62) Divisional to Application Number	:NA	6)RAMACHANDRAN Ganesan
Filing Date	:NA	7)ANAND Ajay
		8)PETRUZZELLO John

# (57) Abstract :

Method system and software product for identifying high risk pregnancies comprising the step of generating a spectrogram from ultrasound Doppler signals reflected from the uterine artery and determining the maximum frequency envelope of said spectrogram and of defining a systolic part and a diastolic part of the maximum frequency envelope and calculating an area ratio under said systolic and diastolic part (AR). This area ratio relates to the blood volume in the uterine artery.



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

(22) Date of filing of Application :04/04/2014

(54) Title of the invention : DYNAMIC RECEIVER SWITCHING

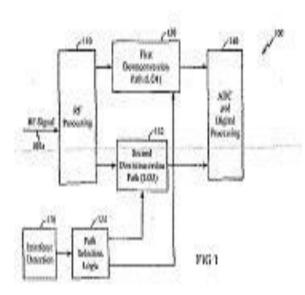
(21) Application No.2582/CHENP/2014 A

#### (43) Publication Date : 16/10/2015

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:H04L27/38H03D1/22H03D3/00 :61/557838 :09/11/2011 :U.S.A. :PCT/US2012/064513 :09/11/2012 :WO 2013/071156 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM INCORPORATED Address of Applicant :Attn: International IP Administration 5775 Morehouse Drive San Diego California 92121 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)FERNANDO Udara C.</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Techniques for dynamically selecting a number of downconversion paths used in a variety of receiver wideband receiver architectures for example zero IF or low IF. In an exemplary embodiment a first downconversion path is configured to downconvert a signal derived from an RF signal using a first mixing frequency. A second downconversion path is further configured to downconvert a signal derived from the RF signal using a second mixing frequency distinct from the first mixing frequency. The second downconversion path may be selectively enabled or disabled based on a detected level of an interferer in the frequency spectrum. For example if the interferer level is less than a predetermined threshold a fewer number of downconversion paths for example one path may be enabled. If the interferer level is greater than a predetermined threshold then a greater number of downconversion paths for example two or more paths may be enabled.



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

(22) Date of filing of Application :22/05/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : SYSTEMS AND METHODS FOR FORMING AND MAINTAINING A HIGH PERFORMANCE FRC

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G21B1/05 :61/559154 :14/11/2011 :U.S.A. :PCT/US2012/065071 :14/11/2012 :WO 2013/074666 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)THE REGENTS OF THE UNIVERSITY OF CALIFORNIA Address of Applicant :1111 Franklin Street 5th Floor Oakland CA</li> <li>94607 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)TUSZEWSKI Michel</li> <li>2)BINDERBAUER Michl</li> <li>3)BARNES Dan</li> <li>4)GARATE Eusebio</li> <li>5)GUO Houyang</li> <li>6)PUTVINSKI Sergei</li> <li>7)SMIRNOV Artem</li> </ul>
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#### (57) Abstract :

Systems and methods that facilitate the formation and maintenance of new High Performance Field Reversed Configurations (FRCs). An FRC system for the High Performance FRC (HPF) includes a central confinement vessel surrounded by two diametrically opposed reversed field theta pinch formation sections and beyond the formation sections two divertor chambers to control neutral density and impurity contamination. A magnetic system includes a series of quasi dc coils axially positioned along the FRC system components quasi dc mirror coils between the confinement chamber and the adjacent formation sections and mirror plugs between the formation sections and the divertors. The formation sections include modular pulsed power formation systems that enable FRCs to be formed in situ and then accelerated and injected (=static formation) or formed and accelerated simultaneously (=dynamic formation). The FRC system further includes neutral atom beam injectors a pellet injector gettering systems axial plasma guns and flux surface biasing electrodes.

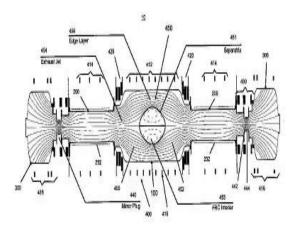


FIGURE 2

No. of Pages : 72 No. of Claims : 99

(22) Date of filing of Application :22/05/2014

(21) Application No.3873/CHENP/2014 A

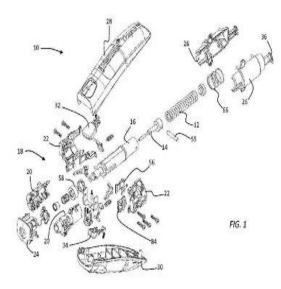
(43) Publication Date : 16/10/2015

# (54) Title of the invention : NEEDLE FREE INTRADERMAL INJECTION DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:A61M5/30A61M5/315 :61/570163 :13/12/2011 :U.S.A. :PCT/US2012/069063 :12/12/2012 :WO 2013/090315	<ul> <li>(71)Name of Applicant :</li> <li>1)PHARMAJET INC.</li> <li>Address of Applicant :400 Corporate Circle Suite N Golden Colorado</li> <li>80401 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)CAPPELLO Chris</li> <li>2)WIXEY Matt</li> </ul>
8	,,	
<ul><li>Filing Date</li><li>(62) Divisional to Application Number</li><li>Filing Date</li></ul>	:NA :NA :NA	

# (57) Abstract :

A needle free injection device suitable for delivering a therapeutic substance into the intradermal space of a patient. The needle free injection device includes a main spring which can be compressed using one or more handles attached to the device to place the needle free injection device into an armed configuration. Device embodiments may optionally include an injector tube and associated apparatus which may be moved relative to other device structures when the injector is pressed against the skin of a patient with sufficient force. The disclosed operational switches and release mechanisms cooperate to prevent injection unless the device is properly positioned for an injection. Needle free injection systems and methods of operating a needle free injection device are also disclosed.



No. of Pages : 37 No. of Claims : 23

(19) INDIA

(22) Date of filing of Application :13/05/2014

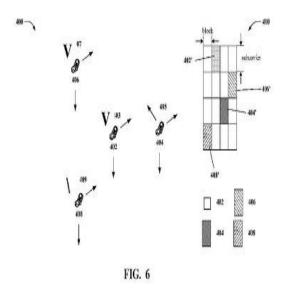
(43) Publication Date : 16/10/2015

# (54) Title of the invention : METHODS AND APPARATUSES TO CHANGE DUTY CYCLE OF A PEER DISCOVERY TRANSMISSION BASED ON CONGESTION IN PEER TO PEER NETWORKS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to Application</li> <li>Number Filing Date</li> </ul>	:H04W8/00H04W72/12H04W84/18 :13/307241 :30/11/2011 :U.S.A. :PCT/US2012/067372 :30/11/2012 :WO 2013/082479 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM INCORPORATED Address of Applicant :Attn: International Ip Administration 5775 Morehouse Drive San Diego California 92121 1714 U.S.A. (72)Name of Inventor : 1)PATIL Shailesh 2)KHUDE Nilesh N. 3)WU Xinzhou 4)LI Junyi</li></ul>
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# (57) Abstract :

A method a computer program product and an apparatus are provided. The apparatus determines a resource congestion level based on signals received on a plurality of resources of a peer discovery channel. In addition the apparatus adjusts a duty cycle of a peer discovery transmission based on the determined congestion level. Furthermore the apparatus transmits peer discovery signals at the adjusted duty cycle.



No. of Pages : 35 No. of Claims : 32

(22) Date of filing of Application :13/05/2014

(21) Application No.3605/CHENP/2014 A

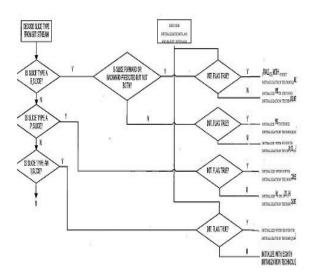
(43) Publication Date : 16/10/2015

# (54) Title of the invention : CONTEXT INITIALIZATION BASED ON DECODER PICTURE BUFFER

(51) International classification	:H04N7/32	(71)Name of Applicant :
(31) Priority Document No	:13/294100	1)SHARP KABUSHIKI KAISHA
(32) Priority Date	:10/11/2011	Address of Applicant :22 22 Nagaike cho Abeno ku Osaka shi Osaka
(33) Name of priority country	:U.S.A.	5458522 Japan
(86) International Application No	:PCT/JP2012/007220	(72)Name of Inventor :
Filing Date	:09/11/2012	1)MISRA Kiran
(87) International Publication No	:WO 2013/069306	2)SEGALL Christopher A.
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

A method for decoding a video frame of a video sequence comprising: (a) receiving a slice header; (b) identifying a slice type; (c) receiving a first flag indicating a initialization method used to initialize a context; and (d) initializing the context associated with the slice type using one of a first initialization method second initialization method and third initialization method.



No. of Pages : 130 No. of Claims : 17

(22) Date of filing of Application :13/05/2014

(21) Application No.3606/CHENP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : EYEWASH CONTAINER

(51) International classification	:B65D1/09A61H35/02A61J1/05	(71)Name of Applicant :
(31) Priority Document No	:13/274810	1)NIAGARA PHARMACEUTICALS INC.
(32) Priority Date	:17/10/2011	Address of Applicant :60 Innovation Dr. Flamborough Ontario L9H
(33) Name of priority country	:U.S.A.	7P3 Canada
(86) International Application No	:PCT/US2012/060628	(72)Name of Inventor :
Filing Date	:17/10/2012	1)LEISTNER Steven C.
(87) International Publication No	:WO 2013/059332	2)RIPENBURG Ronya
(61) Patent of Addition to Application	:NA	3)MURPHY Michael D.
Number	:NA :NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An eyewash dispensing container to store and deliver an eyewash fluid that is particularly suitable for terminal sterilization. The container includes a base and a locking lid with a tamper indicator. The container is able to be opened quickly and deliver the eyewash fluid directly to an eye of a user.

No. of Pages : 34 No. of Claims : 29

# (19) INDIA

(22) Date of filing of Application :23/05/2014

#### (43) Publication Date : 16/10/2015

# (54) Title of the invention : PRODUCTION OF HETERODIMERIC PROTEINS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07K16/28C07K16/46 :PA 2011 00826 :27/10/2011 :Denmark :PCT/EP2012/071294 :26/10/2012 :WO 2013/060867 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>GENMAB A/S</li> <li>Address of Applicant :Bredgade 34 E DK 1260 Copenhagen K</li> </ol> </li> <li>Denmark </li> <li>(72)Name of Inventor : <ol> <li>GRAMER Michael</li> <li>KUNDU Amitava</li> <li>VAN DEN BREMER Ewald T. J.</li> <li>VAN KAMPEN Muriel</li> <li>PRIEM Patrick</li> <li>LABRIJN Aran Frank</li> </ol> </li> <li>7)MEESTERS Joyce I.</li> <li>NEIJSSEN Joost J.</li> <li>SCHUURMAN Janine <ol> <li>PARREN Paul</li> <li>VAN BERKEL Patrick</li> <li>VOS Werner L.</li> <li>GERRITSEN Arnout</li> </ol> </li> </ul>
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(57) Abstract :

in vitroThe present invention relates to an method for production of heterodimeric proteins.

No. of Pages : 324 No. of Claims : 69

(22) Date of filing of Application :23/05/2014

(21) Application No.3888/CHENP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : ULTRA CONCENTRATED RAPID ACTING INSULIN ANALOGUE FORMULATIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:61/552246 :27/10/2011 :U.S.A. :PCT/US2012/062423 :29/10/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)CASE WESTERN RESERVE UNIVERSITY Address of Applicant :10900 Euclid Avenue Cleveland Ohio 44106 </li> <li>7219 U.S.A.  (72)Name of Inventor : 1)WEISS Michael</li></ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:WO 2013/063572 :NA :NA :NA :NA	

# (57) Abstract :

ortho A pharmaceutical formulation comprises insulin having a variant insulin B chain polypeptide containing an monofluoro Phenylalanine substitution at position B24 in combination with a substitution of an amino acid containing an acidic side chain at position B10 allowing the insulin to be present at a concentration of between 0.6 mM and 3.0 mM. The formulation may optionally be devoid of zinc. Amino acid substitutions at one or more of positions B3 B28 and B29 may additionally be present. The variant B chain polypeptide may be a portion of a proinsulin analogue or single chain insulin analogue. The insulin analogue may be an analogue of a mammalian insulin such as human insulin. A method of lowering the blood sugar of a patient comprises administering a physiologically effective amount of the insulin analogue or a physiologically acceptable salt thereof to the patient.

No. of Pages : 63 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :23/05/2014

# (21) Application No.3889/CHENP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : COLOUR STABLE CURING COMPOSITIONS CONTAINING POLYISOCYANATES OF (CYCLO)ALIPHATIC DIISOCYANATES

(51) International classification	:C08G18/02C08G18/08C08G18/24	(71)Name of Applicant :
(31) Priority Document No	:11187007.7	1)BASF SE
(32) Priority Date	:28/10/2011	Address of Applicant :67056 Ludwigshafen Germany
(33) Name of priority country	:EPO	(72)Name of Inventor :
(86) International Application No	:PCT/EP2012/070624	1)SCH,,FER Harald
Filing Date	:18/10/2012	2)BINDER Horst
(87) International Publication No	:WO 2013/060614	3)GENGER Thomas
(61) Patent of Addition to Application	1.NIA	4)FLOJHAR Daniel
Number	:NA :NA	
Filing Date	INA	
(62) Divisional to Application	:NA	
Number		
Filing Date	:NA	

# (57) Abstract :

The invention relates to a novel method for producing polyisocyanates of (cyclo)aliphatic diisocyanates which are colour stable in solvents and which comprise isocyanurate groups.

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

(22) Date of filing of Application :08/05/2014

(21) Application No.3479/CHENP/2014 A

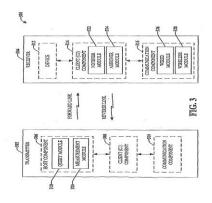
(43) Publication Date : 16/10/2015

# (54) Title of the invention : WIRELESS ARCHITECTURE FOR A TRADITIONAL WIRE-BASED PROTOCOL

:GO6F3/14	(71)Name of Applicant :
:.	1)QUALCOMM INCORPORATED
:-	Address of Applicant :International IP Administration 5775
:	Morehouse Drive San Diego CA 92121-1714 USA U.S.A.
:PCT/US2007/069813	(72)Name of Inventor :
:25/05/2007	1)DINESH DHARMARAJU
:WO2007/140342	2)RANGANATHAN KRISHNAN
:NA	3)LAUREN LEUNG
:NA	
:5162/CHENP/2008	
:26/09/2008	
	:. : - : PCT/US2007/069813 :25/05/2007 :WO2007/140342 :NA :NA :NA :5162/CHENP/2008

# (57) Abstract :

A method for configuring a traditionally wired device to communicate either through a wired protocol or through a wireless protocol comprising: placing a first portion of a client on a sender; placing a second portion of the client on a receiver; and providing wired functionality and wireless functionality at the receiver. Fig: 3



No. of Pages : 41 No. of Claims : 27

(22) Date of filing of Application :26/05/2014

(21) Application No.3948/CHENP/2014 A

# (43) Publication Date : 16/10/2015

(54) Title of the invention : WAVEFORM SHAPING FOR AUDIO AMPLIFIERS		
<ul> <li>(54) The of the invention : wAVEFORM SHAP</li> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H03F1/30 :61/570740 :14/12/2011 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM INCORPORATED Address of Applicant :Attn: International IP Administration 5775 Morehouse Drive San Diego California 92121 U.S.A. (72)Name of Inventor : 1)DHANASEKARAN Vijayakumar</li></ul>

(57) Abstract :

Techniques for applying waveform shaping to DC to DC level transitions in an audio amplifier. In an aspect a waveform shaping block may utilize a non linear shaping waveform such as a Gaussian waveform raised cosine waveform root raised cosine waveform etc. to shape the transition between two DC levels in an audio amplifier output. The waveform shaping techniques may be utilized e.g. during power up or power down of the amplifier or in an impedance measurement mode to reduce audio artifacts associated with the transition while minimizing overall transition time.

No. of Pages : 26 No. of Claims : 19

(22) Date of filing of Application :26/05/2014

(21) Application No.3949/CHENP/2014 A

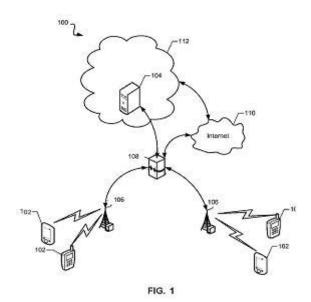
(43) Publication Date : 16/10/2015

# (54) Title of the invention : SYSTEMS AND METHODS FOR PRE FEC METRICS AND RECEPTION REPORTS

(51) International classification	:H04L1/00H04L1/20	(71)Name of Applicant :
(31) Priority Document No	:61/576338	1)QUALCOMM INCORPORATED
(32) Priority Date	:15/12/2011	Address of Applicant : Attn: International Ip Administration 5775
(33) Name of priority country	:U.S.A.	Morehouse Drive San Diego California 92121 U.S.A.
(86) International Application No	:PCT/US2012/068780	(72)Name of Inventor :
Filing Date	:10/12/2012	1)GHOLMIEH Ralph A.
(87) International Publication No	:WO 2013/090199	2)WALKER Gordon Kent
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

Methods systems and devices are provided for receiving at a receiver device a data block or file containing a plurality of application symbols determining the number of application symbols received in the block generating a metric based on the number of application symbols received in the block and transmitting the metric to a server. The metric may further be generated based on a number of application symbols that were required to recover the block or file. The server may use the metric received from one or more receiver devices to adjust the transmission settings for additional data transmissions.



No. of Pages : 72 No. of Claims : 170

(22) Date of filing of Application :26/10/2012

(21) Application No.4467/CHE/2012 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : RFID BASED SMART LIBRARY SYSTEM

(51) International classification	:G06F	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Vishnu Vikraman
(32) Priority Date	:NA	Address of Applicant :College OF Engineering Perumon Perinad P
(33) Name of priority country	:NA	O Kollam Dist Kerala India Pin - 691601 Kerala India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Vishnu Vikraman
(87) International Publication No	: NA	2)Varun Nair
(61) Patent of Addition to Application Number	:NA	3)Karthika Jayasimhan
Filing Date	:NA	4)Arya Krishnan
(62) Divisional to Application Number	:NA	5)Divya Vimalambika Raj
Filing Date	:NA	
		1

(57) Abstract :

The embodiments herein relate to library automation and more particularly to an improved library automation system using Radio Frequency Identification (RFID) technology. Each content in the library is assigned with a unique code. Availability of a particular content in the library may be checked by entering the content particulars at a central control unit. Further if the content is available in the library location of the content may be found out using the RFID based mechanism. The system searches for specific content using the unique corresponding to that content and displays location of the content on a display screen associated with the central control unit. The system also provides a theft protection mechanism which identifies unauthorized traffic of contents to outside of the library and alerts the library staff. FIG. 2

No. of Pages : 24 No. of Claims : 17

(22) Date of filing of Application :04/04/2014

(21) Application No.2597/CHENP/2014 A

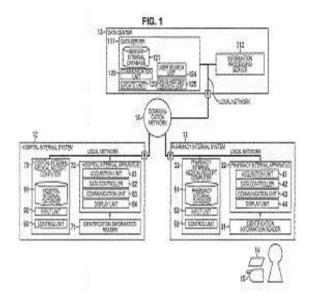
(43) Publication Date : 16/10/2015

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

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:G06Q50/24G06Q50/22 :2011225880 :13/10/2011 :Japan :PCT/JP2012/075920 :05/10/2012 :WO 2013/054749 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SONY CORPORATION <ul> <li>Address of Applicant :1 7 1 Konan Minato ku Tokyo 1080075 Japan</li> <li>(72)Name of Inventor :</li> <li>1)ARAYA Shinsuke</li> <li>2)FUKUSHI Gakuho</li> </ul> </li> </ul>
Filing Date	:NA	

# (57) Abstract :

The present technique relates to an information processing device method and program which are able to improve security. A data server and systems at pharmacies are connected via a communication network. The data server associates and registers individual identification ID for identifying users dispensing pharmacy identification ID for identifying systems at pharmacies dispensing pharmacy user identification ID for identifying users of a pharmacy system and user drug history data. When drug history data is referenced the system at a pharmacy sends individual identification ID and dispensing pharmacy identification ID to the data server and the data server acquires the drug history data and dispensing pharmacy user ID identified by this information. Because information directly identifying users does not have to be exchanged by the data server and the system at the pharmacy security can be improved. The present technique can be applied to other information processing systems.



No. of Pages : 55 No. of Claims : 12

(22) Date of filing of Application :22/05/2014

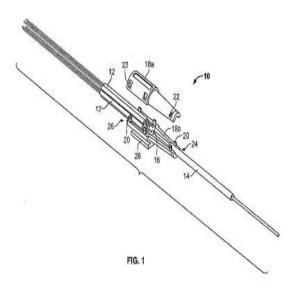
(43) Publication Date : 16/10/2015

(54) Title of the invention : BREAKOUT ASSEMBLIES AND ASSOCIATED MOUNTING MEMBERS FOR FIBER OPTIC APPLICATIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:G02B6/38 :13/301034 :21/11/2011 :U.S.A. :PCT/US2012/066180	<ul> <li>(71)Name of Applicant :</li> <li>1)ORTRONICS INC.</li> <li>Address of Applicant :125 Eugene Oneill Drive New London CT</li> <li>06320 U.S.A.</li> <li>(72)Name of Inventor :</li> </ul>
• •		
(32) Priority Date	:21/11/2011	Address of Applicant :125 Eugene Oneill Drive New London CT
(33) Name of priority country	:U.S.A.	06320 U.S.A.
(86) International Application No	:PCT/US2012/066180	(72)Name of Inventor :
Filing Date	:21/11/2012	1)MURANO Adam
(87) International Publication No	:WO 2013/078262	2)RYNASKI Chester H.
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

Advantageous breakout assemblies and associated mounting members for use in fiber optic applications are provided. More particularly the present disclosure provides for improved fiber optic breakout assemblies and associated mounting members (e.g. mounting panels) that include mating features. The present disclosure provides for improved systems/designs for breakout assemblies and mounting members for use in fiber optic applications and wherein the breakout assemblies and mounting members are cost effective efficient and/or user friendly. Improved convenient low cost and effective systems assemblies and methods are provided for easily breaking/branching out one or more fiber optic cables/fibers from a bundle or harness containing a plurality of fiber optic cables/fibers by utilizing advantageous breakout assemblies and mounting members that include mating features and related assemblies.



No. of Pages : 35 No. of Claims : 23

(19) INDIA

(22) Date of filing of Application :22/05/2014

# (21) Application No.3875/CHENP/2014 A

#### (43) Publication Date : 16/10/2015

# (54) Title of the invention : WIRELESS COMMUNICATION SYSTEM WIRELESS BASE STATION USER EQUIPMENT AND WIRELESS COMMUNICATION METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04W16/32H04W28/16H04W92/12 :2011244007 :07/11/2011 :Japan :PCT/JP2012/078341 :01/11/2012 :WO 2013/069538 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)NTT DOCOMO INC. Address of Applicant :11 1 Nagatacho 2 chome Chiyoda ku Tokyo 1006150 Japan</li> <li>(72)Name of Inventor :</li> <li>1)NAGATA Satoshi</li> <li>2)KISHIYAMA Yoshihisa</li> <li>3)TAKEDA Kazuaki</li> <li>4)SHE Xiaoming</li> </ul>
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(57) Abstract :

In order to enable user equipment (UE) to determine which cell a downlink signal comes from thereby enabling reception accuracy to be maintained even in a heterogeneous environment in which the same cell identification information is used this wireless communication method is characterized in that: a wireless base station generates a reference signal sequence by using a pseudo random sequence that includes user specific information and transmits the reference signal sequence to UE; and the UE uses the reference signal sequence transmitted by the wireless base station to perform signal processing.

No. of Pages : 55 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :22/05/2014

#### (43) Publication Date : 16/10/2015

#### (54) Title of the invention : ORAL FORMULATIONS MIMETIC OF ROUX EN Y GASTRIC BYPASS ACTIONS ON THE ILEAL BRAKE; COMPOSITIONS METHODS OF TREATMENT DIAGNOSTICS AND SYSTEMS FOR TREATMENT OF METABOLIC SYNDROME MANIFESTATIONS INCLUDING INSULIN RESISTANCE FATTY LIVER DISEASE HYPERLIPIDEMIA AND T2D

(51) International classification	:A61K38/22A61K9/20A61K47/38	(71)Name of Applicant :
(31) Priority Document No	:61/551638	1)FAYAD Joseph M.
(32) Priority Date	:26/10/2011	Address of Applicant :3583 Tobias Lane Las Vegas NV 89120 U.S.A.
(33) Name of priority country	:U.S.A.	2)SCHENTAG Jerome
(86) International Application No	:PCT/US2012/062306	(72)Name of Inventor :
Filing Date	:26/10/2012	1)FAYAD Joseph M.
(87) International Publication No	:WO 2013/063527	2)SCHENTAG Jerome
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Numbe	r :NA	
Filing Date	:NA	

(57) Abstract :

The invention provides pharmaceutical compositions methods for the treatment of and related diagnostics and computer implementable systems that relate to the treatment of a variety of metabolic syndromes including hyperlipidemia weight gain obesity insulin

resistance hypertension atherosclerosis fatty liver diseases and certain chronic inflammatory states. In an additional aspect of the invention compositions and methods of treatment are calibrated to the ileal brake response to surgical intervention e.g. RYGB as both activate the ileal brake which acts in the gastrointestinal tract and the liver of a mammal to control metabolic syndrome manifestations and thereby reverse or ameliorate the cardiovascular damage (atherosclerosis hypertension lipid accumulation and the like) resulting from progression of metabolic syndrome. The net benefit is the potential to treat all of the common manifestations of metabolic syndrome including T2D and obesity with one medicament which contains glucose as an activation agent for the ileal brake. The ileal brake is the controller for progression of metabolic syndrome and both RYGB surgery and the oral formulation act beneficially on the metabolic syndrome manifestations via this pathway. Disclosed as well are combination medicaments that act synergistically on the ileal brake and the manifestations of metabolic syndrome. In other aspects the invention provides ileal brake hormone releasing compositions methods of treatment diagnostics and related systems useful in selective control of appetite stabilizing blood glucose and insulin levels and treating gastrointestinal disorders in a similar manner to RYGB surgery but having at least 20% of the potency to stimulate the hormonal response of the ileal brake of humans.

No. of Pages : 298 No. of Claims : 199

(22) Date of filing of Application :22/05/2014

(21) Application No.3870/CHENP/2014 A

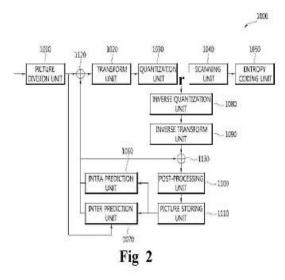
(43) Publication Date : 16/10/2015

# (54) Title of the invention : METHOD OF REMOVING DEBLOCKING ARTIFACTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04N1/409 :1020120002597 :09/01/2012 :Republic of Korea :PCT/CN2013/070217 :08/01/2013 :WO 2013/104298 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)INFOBRIDGE PTE. LTD. Address of Applicant :10 Anson Road #23 14O International Plaza Singapore 079903 Singapore</li> <li>(72)Name of Inventor :</li> <li>1)JANG Min</li> </ul>
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# (57) Abstract :

Provided is a methoddetermines a boundary strength for each 4 sample edge lying on 8x8 sample grid determines whether deblocking filtering is performed on the 4 sample edge or not if the boundary strength is not equal to zero selects a deblocking filter if the deblocking filtering is performed on the 4 sample edge and filters the 4 sample edge using the selected filter. Accordingly the computational complexity required to determine the boundary strength according to the present invention is reduced by 50% or more when compared with the HEVC under development. Also the memory capacity and bandwidth required to determine the boundary strength are reduced by 50% or more without deterioration of image quality.



No. of Pages : 31 No. of Claims : 6

(22) Date of filing of Application :23/05/2014

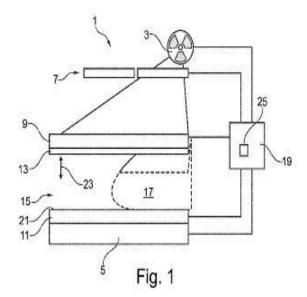
(43) Publication Date : 16/10/2015

(54) Title of the invention : METHOD AND DEVICE FOR IMAGING SOFT BODY TISSUE USING X RAY PROJECTION AND OPTICAL TOMOGRAPHY

(51) International classification	:A61B6/00A61B5/00	(71)Name of Applicant :
(31) Priority Document No	:61/563091	1)KONINKLIJKE PHILIPS N.V.
(32) Priority Date	:23/11/2011	Address of Applicant : High Tech Campus 5 NL 5656 AE Eindhoven
(33) Name of priority country	:U.S.A.	Netherlands
(86) International Application No	:PCT/IB2012/056382	(72)Name of Inventor :
Filing Date	:13/11/2012	1)GOOSSEN Andr
(87) International Publication No	:WO 2013/076616	2)HEESE Harald Sepp
(61) Patent of Addition to Application Number	:NA	3)KOEHLER Thomas
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method and device (1) for imaging soft body tissue such as a female breast is proposed. X ray projection techniques and optical tomography techniques are combined. First image data for a first image of a breast (17) may be acquired by X ray projection using an X ray source (3) and an X ray detector (5). Second image data for a second image may be acquired using optical tomography equipment comprising a light source (9) and a light detector (11). From the first image data estimated bulk optical properties of the breast (17) are be derived. Based on such estimated bulk optical properties an optical tomography image is reconstructed from the second image data with high image quality. Performing mammography acquisition at different compression states of the breast (17) may improve patient comfort. Mammograms may be acquired at two different compression states wherein a first compression state is adapted to provide high image resolution. At a second compression state another mammogram may be acquired together with an optical tomography image. The two mammograms may be used for image registration thereby possibly providing information for a deformation prior. Additional information on tissue composition within the breast may be received by acquiring the first and second mammogram at different X ray settings.



No. of Pages : 20 No. of Claims : 13

(22) Date of filing of Application :23/05/2014

(21) Application No.3897/CHENP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : GANTRY FREE SPECT SYSTEM

(51) International classification	:G01T1/164A61B6/03	(71)Name of Applicant :
(31) Priority Document No	:61/562593	1)KONINKLIJKE PHILIPS N.V.
(32) Priority Date	:22/11/2011	Address of Applicant : High Tech Campus 5 NL 5656 AE Eindhoven
(33) Name of priority country	:U.S.A.	Netherlands
(86) International Application No	:PCT/IB2012/056343	(72)Name of Inventor :
Filing Date	:12/11/2012	1)WIECZOREK Herfried Karl
(87) International Publication No	:WO 2013/076614	2)YE Jinghan
(61) Patent of Addition to Application Number	:NA	3)SHAO Lingxiong
Filing Date	:NA	4)HASSAN Rizwan
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract :

A gantry free nuclear imaging system (10) images a region of interest (ROI) (16). The system (10) includes one or more radiation detectors (20) generating radiation data indicating the location of gamma photon strikes. The system includes a reconfigurable frame (22) positioning the radiation detectors (20) at fixed viewing angles of the ROI (16) and at least one processor (44 48). The processor (44 48) receives the radiation data from the radiation detectors (20) and reconstructs an image of the ROI (16) from the received radiation data.

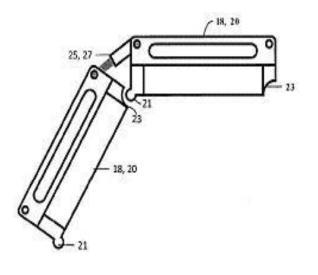


FIG. 6

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

(22) Date of filing of Application :23/05/2014

(21) Application No.3898/CHENP/2014 A

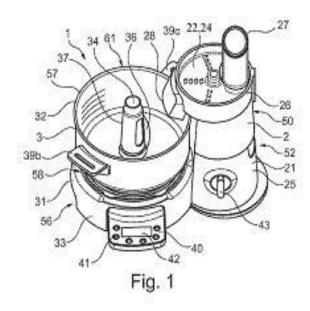
(43) Publication Date : 16/10/2015

### (54) Title of the invention : PREPARING FOODSTUFF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> </ul>	:A47J44/00 :11189556.1 :17/11/2011 :EPO	<ul> <li>(71)Name of Applicant :</li> <li>1)KONINKLIJKE PHILIPS N.V.</li> <li>Address of Applicant :High Tech Campus 5 NL 5621 BA Eindhoven Netherlands</li> </ul>
<ul> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:PCT/IB2012/054382 :27/08/2012	(72)Name of Inventor : 1)MURBACHER Werner Karl
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	:WO 2013/072783 :NA :NA	2)ZERGOI WAGNER Gerlinde
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract :

The present invention relates to an appliance for preparing foodstuff comprising a cutting unit (2) for use with a separately operated cooking unit (3) wherein the cutting unit (2) has a first base structure at least one supply opening (27) cutting means (22 24) and at least one outlet (28). The cutting unit (2) can be positioned in a side by side configuration with respect to the cooking unit (3) in which the outlet (28) is in a position for supplying cut food ingredients to a cooking unit (3). The cutting means (22 24) comprise a first drive and at least one rotating cutting element arranged inside a cutting chamber provided on top of the base structure. The cutting chamber opens into the outlet opening via an overlapping area that is at least partly arranged below the cutting chamber. Further a cooking unit (3) for use with the separately operated cutting unit (2) is provided that comprises a second base structure a pan heating means and stirring means (34) which comprise a second drive and at least one stirring element arranged inside the pan volume. The pan is provided with an upper receiving opening.



No. of Pages : 39 No. of Claims : 15

(22) Date of filing of Application :23/05/2014

(43) Publication Date : 16/10/2015

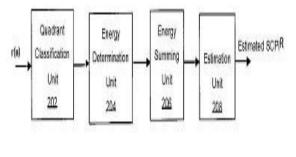
# (54) Title of the invention : DEVICE METHOD MOBILE STATION AND DIGITAL STORAGE MEDIUM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:H04W52/06H04W52/00H04W52/34 :NA :NA :PCT/CN2012/001766 :31/12/2012 :WO 2014/100922 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)INTEL MOBILE COMMUNICATIONS GMBH Address of Applicant :Am Campeon 10 12 85579 Neubiberg Germany</li> <li>(72)Name of Inventor :</li> <li>1)ZHANG Hong</li> </ul>
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract :

A device a method a mobile station and a non transitory computer readable digital storage medium are provided. The device comprises a quadrant classification unit to classify a plurality of symbols in an input shared channel signal into a plurality of quadrants in a complex plane an energy determination unit to determine a real part energy and an imaginary part energy for the plurality of symbols in each of the plurality of quadrants respectively an energy summing unit to determine a real part energy sum and an imaginary part energy sum by summing the real part energy and the imaginary part energy for the plurality of quadrants respectively and an estimation unit to estimate a SubChannel Power Imbalance Ratio (SCPIR) of the input shared channel signal the real part energy sum and the imaginary part energy sum EQ.







No. of Pages : 25 No. of Claims : 18

#### (19) INDIA

(22) Date of filing of Application :23/05/2014

#### (43) Publication Date : 16/10/2015

# (54) Title of the invention : PRIMYCIN AND COMPONENTS THEREOF FOR USE IN THE TREATMENT OR PREVENTION OF INFECTIONS CAUSED BY SPECIFIC PATHOGENS

(51) International classification	:A61K31/7048A61P31/04	(71)Name of Applicant :
(31) Priority Document No	:P1100597	1)PANNONPHARMA GYGYSZERGY • RT ZRT.
(32) Priority Date	:25/10/2011	Address of Applicant :M;ria dulo 36. H 7634 Pcs Hungary
(33) Name of priority country	:Hungary	(72)Name of Inventor :
(86) International Application No	:PCT/HU2012/000111	1)FEISZT Pter
Filing Date	:25/10/2012	2)EMODY Levente
(87) International Publication No	:WO 2013/061101	3)PALLOS J <sup>3</sup> zsef Pter
(61) Patent of Addition to Application Numb	er :NA	4)JUH • SZ • kos
Filing Date	:NA	5)SEFFER Dnes
(62) Divisional to Application Number	:NA	6)SEFFERN‰ SZALAI M;ria
Filing Date	:NA	7)P‰NZES • gota

(57) Abstract :

The invention refers to primycin or a primycin component or a combination of primycin components for use in the treatment or prevention of infections caused by Gram positive bacteria resistant to methicillin and/or vancomycin and/or mupirocin or by penicillin resistant streptococci. The invention also covers antibotic compositions containing these active agents.

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

(22) Date of filing of Application :20/05/2014

(21) Application No.3795/CHENP/2014 A

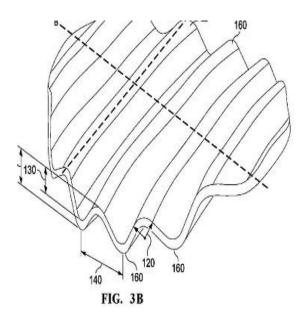
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : HIGH AMPLITUDE CORRUGATED FOOD PRODUCT AND METHOD OF MAKING SAME

(51) International classification	:A23L1/216	(71)Name of Applicant :
(31) Priority Document No	:61/587943	1)FRITO LAY NORTH AMERICA INC.
(32) Priority Date	:18/01/2012	Address of Applicant :7701 Legacy Drive Plano TX 75024 4099
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2013/021920	(72)Name of Inventor :
Filing Date	:17/01/2013	1)BARBER Keith Alan
(87) International Publication No	:WO 2013/109740	2)FISCHER Deborah
(61) Patent of Addition to Application Number	:NA	3)HILDEBRAND John
Filing Date	:NA	4)MICHEL Enrique
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

<sup>(57)</sup> Abstract :

3 83 A high amplitude corrugated food product and method of making same. The corrugated food product comprises a corrugated surface on opposing surfaces each surface having a plurality of peaks with substantially equal amplitude values of at least about 2.54 mm. The corrugated food product further comprises a high area moment of inertia of between about 20 x ICT8 mto about 160 x 10 mwith a dehydration factor of less than about 1.7 which provides for less breakage and more texture. The corrugated food product has a 90° to 0° hardness ratio of at least about 2.78 and a 90° to 0° and a crispiness ratio of at least about 3.14.



No. of Pages : 44 No. of Claims : 22

(22) Date of filing of Application :23/05/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : TRANSGENIC MICE EXPRESSING CHIMERIC MAJOR HISTOCOMPATIBILITY COMPLEX (MHC) CLASS II MOLECULES

(51) International classification	:A01K67/027C07K14/705	(71)Name of Applicant :
(31) Priority Document No	:61/552584	1)REGENERON PHARMACEUTICALS INC.
(32) Priority Date	:28/10/2011	Address of Applicant :777 Old Saw Mill River Road Tarrytown NY
(33) Name of priority country	:U.S.A.	10591 U.S.A.
(86) International Application No	:PCT/US2012/062029	(72)Name of Inventor :
Filing Date	:26/10/2012	1)MACDONALD Lynn
(87) International Publication No	:WO 2013/063340	2)MURPHY Andrew J.
(61) Patent of Addition to Application Numb	ber :NA	3)TU Naxin
Filing Date	:NA	4)GURER Cagan
(62) Divisional to Application Number	:NA	5)VORONINA Vera
Filing Date	:NA	6)STEVENS Sean

(57) Abstract :

The invention provides genetically modified non human animals that express a humanized MHC II protein (humanized MHC II a and polypeptides) as well as embryos cells and tissues comprising the same. Also provided are constructs for making said genetically modified animals and methods of making the same. Methods of using the genetically modified animals to study various aspects of human immune system are provided.

No. of Pages : 60 No. of Claims : 41

#### (19) INDIA

(22) Date of filing of Application :23/05/2014

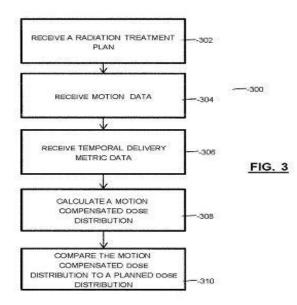
(43) Publication Date : 16/10/2015

# (54) Title of the invention : BEAM SEGMENT LEVEL DOSE COMPUTATION AND TEMPORAL MOTION TRACKING FOR ADAPTIVE TREATMENT PLANNING

(51) International classification	:A61N5/10	(71)Name of Applicant :
(31) Priority Document No	:61/564885	1)KONINKLIJKE PHILIPS N.V.
(32) Priority Date	:30/11/2011	Address of Applicant : High Tech Campus 5 NL 5656 AE Eindhoven
(33) Name of priority country	:U.S.A.	Netherlands
(86) International Application No	:PCT/IB2012/056867	2)WASHINGTON UNIVERSITY IN ST. LOUIS
Filing Date	:30/11/2012	(72)Name of Inventor :
(87) International Publication No	:WO 2013/080175	1)BHARAT Shyam
(61) Patent of Addition to Application Number	:NA	2)PARIKH Parag Jitendra
Filing Date	:NA	3)ZHU Mingyao
(62) Divisional to Application Number	:NA	4)BZDUSEK Karl Antonin
Filing Date	:NA	

(57) Abstract :

A treatment planning system for generating patient specific treatment. The system including one or more processors programmed to receive a radiation treatment plan (RTP) for irradiating a target over the course of one or more treatment fractions said RTP including a planned dose distribution to be delivered to the target receive motion data for at least one of the treatment fractions of the RTP receive temporal delivery metric data for at least one of the treatment fractions of the target using the motion data and the temporal delivery metric data to adjust the planned dose distribution based on the received motion data and temporal delivery metric data and compare the motion compensated dose distribution.



No. of Pages : 23 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :21/05/2014

#### (21) Application No.3812/CHENP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : A MEDICAL IMPLANT A KIT AND A METHOD OF MANUFACTURING A 3D FABRIC OF STRANDS FOR FORMING A MEDICAL IMPLANT

	A (1015/00 A (1015/1000 AC2/40	
(51) International classification	:A61B17/00A61B17/12D04C3/48	
(31) Priority Document No	:61/551995	1)OCCLUTECH HOLDING AG
(32) Priority Date	:27/10/2011	Address of Applicant : Vordergasse 3 CH 8201 Schaffhausen
(33) Name of priority country	:U.S.A.	Switzerland
(86) International Application No	:PCT/EP2012/071277	(72)Name of Inventor :
Filing Date	:26/10/2012	1)HEIPL Micheal
(87) International Publication No	:WO 2013/060855	2)TILCHNER Sebastian
(61) Patent of Addition to Application	:NA	3)SCHMIDT Kathrin
Number		4)OTTMA R¼diger
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The disclosure relates to a method of manufacturing a medical implant or structures for a medical implant. Disclosed is an improved occluder (1) which does not damage the surrounding body tissue. In one embodiment a method of manufacturing a 3D fabric of strands for forming an occluder is provided. The method comprises intertwining the strands along a length of the 3D fabric for forming a primary 3D fabric structure. The intertwining is non continuous i.e. the braiding procedure can be halted for forming a secondary structure of the 3D fabric without intertwining.

No. of Pages : 37 No. of Claims : 29

(22) Date of filing of Application :23/05/2014

#### (21) Application No.3906/CHENP/2014 A

#### (43) Publication Date : 16/10/2015

# (54) Title of the invention : METHODS OF CONTROLLING WEEDS WITH THAXTOMIN AND THAXTOMIN COMPOSITIONS IN COMBINATION WITH A BENEFICIAL HERBICIDE

(51) International classification	:A01N33/18A01N37/18A01N43/60	(71)Name of Applicant :
(31) Priority Document No	:61/553369	1)NOVOZYMES BIOAG A/S
(32) Priority Date	:31/10/2011	Address of Applicant : Krogshoejvej 36 DK 2880 Bagsvaerd Denmark
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/US2012/062615	1)INMAN Scott
Filing Date	:30/10/2012	2)SEMONES Shawn
(87) International Publication No	:WO 2013/066894	
(61) Patent of Addition to Application	n.NA	
Number		
Filing Date	:NA	
(62) Divisional to Application	•N A	
Number	:NA	
Filing Date	:NA	

### (57) Abstract :

Methods and composition for controlling weeds by contacting weeds or an environment susceptible to growth by a weed population with one or more thaxtomins and one or more herbicides are disclosed. One or more thaxtomins and one or more herbicides are applied to weed contaminated environments or environments susceptible to weed contamination in a predetermined amount for controlling reducing and/or killing weeds.

No. of Pages : 81 No. of Claims : 27

(22) Date of filing of Application :23/05/2014

(21) Application No.3907/CHENP/2014 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : METHOD AND APPARATUS OF DERIVING INTRA PREDICION MODE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:02/11/2012 :WO 2013/064094	<ul> <li>(71)Name of Applicant :</li> <li>1)INFOBRIDGE PTE. LTD. Address of Applicant :10 Anson Road # 23 14O International Plaza Singapore 079903 Singapore</li> <li>(72)Name of Inventor :</li> <li>1)OH Soo Mi</li> <li>2)YANG Moonock</li> </ul>
ε		
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Provided is a method that constructs an MPM group including three intra prediction modes determines the intra prediction mode of the MPM group specified by the prediction mode index as the intra prediction mode of the current prediction unit if the mode group indicator indicates the MPM group and derives the intra prediction mode of the current prediction unit using the prediction mode index and the three prediction modes of the MPM group. Accordingly additional bits resulted from increase of a number of intra prediction mode are effectively reduced. Also an image compression ratio can be improved by generating a prediction block similar to an original block.

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

(22) Date of filing of Application :23/05/2014

(21) Application No.3908/CHENP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : METHOD OF GENERATING RECONSTRUCTED BLOCK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:G06T9/00 :1020110114609 :04/11/2011 :Republic of Korea :PCT/CN2012/083994 :02/11/2012 :WO 2013/064099 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)GENIP PTE. LTD.</li> <li>Address of Applicant :10 Anson Road # 23 14G International Plaza</li> <li>Singapore 079903 Singapore</li> <li>(72)Name of Inventor :</li> <li>1)OH Soo Mi</li> <li>2)YANG Moonock</li> </ul>
		2)YANG Moonock
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Provided is a method that derives an intra prediction mode of a prediction unit determines a size of a current block using transform size information generates a prediction block of the current block according to the intra prediction mode generating a residual block of the current block according to the intra prediction block using the prediction block and the residual block. The sizes of the prediction block and the residual block are set equal to a size of a transform unit. Therefore the distance of intra prediction becomes short and the amount of coding bits of residual block is reduced by generating a prediction block very similar to original block. Also the signaling bits required to signal intra prediction mode decrease by generating MPM group adaptively according to the neighboring intra prediction modes.

No. of Pages : 35 No. of Claims : 9

(22) Date of filing of Application :23/05/2014

#### (21) Application No.3891/CHENP/2014 A

(43) Publication Date : 16/10/2015

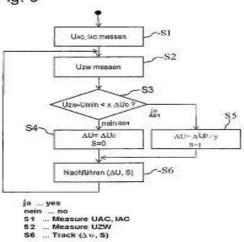
# (54) Title of the invention : TRACKING METHOD AND TRACKING DEVICE FOR A VOLTAGE TRANSFORMER FOR A PHOTOVOLTAIC SYSTEM

(51) International classification	:H02J3/38G05F1/67	(71)Name of Applicant :
(31) Priority Document No	:10 2011 054 939.0	1)SMA SOLAR TECHNOLOGY AG
(32) Priority Date	:28/10/2011	Address of Applicant :Sonnenallee 1 34266 Niestetal Germany
(33) Name of priority country	:Germany	(72)Name of Inventor :
(86) International Application No	:PCT/EP2012/070991	1)BOCK Martin
Filing Date	:23/10/2012	2)MLLER Tobias
(87) International Publication No	:WO 2013/060692	3)ORTMANN Thomas
(61) Patent of Addition to Application Number	:NA	4)UNRU Alexander
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

ZWZW)ZWThe invention relates to a tracking method for a voltage transformer in particular an inverter of a photovoltaic system. In said method an intermediate circuit voltage (U) is repeatedly decreased or increased in one direction to lower or higher voltage by voltage steps of a specified magnitude (U). The method is characterized in that an average rate of change (|U/t|) of the intermediate circuit voltage (U in a partial time period between two voltage steps is limited by a maximum average rate of change the maximum average rate of change being defined according to the magnitude of the intermediate circuit voltage (U). The invention further relates to a tracking device (10) designed to perform the tracking method and to an inverter equipped with said tracking device.





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

(22) Date of filing of Application :15/05/2014

(21) Application No.3658/CHENP/2014 A

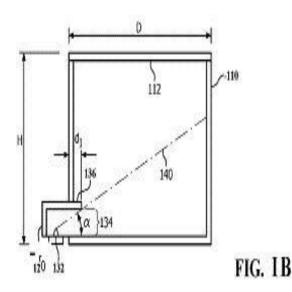
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : LED BASED DIRECT VIEW LUMINAIRE WITH UNIFORM MIXING OF LIGHT OUTPUT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:61/560970 :17/11/2011 :U.S.A. :PCT/IB2012/056494 :16/11/2012 :WO 2013/072885 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)KONINKLIJKE PHILIPS N.V. Address of Applicant :High Tech Campus 5 NL 5656 AE Eindhoven Netherlands</li> <li>(72)Name of Inventor :</li> <li>1)GOLDSTEIN Peter Isaac</li> <li>2)ROTH Eric Anthony</li> <li>3)ROBERGE Brain</li> </ul>
Filing Date	:NA	

### (57) Abstract :

Methods and apparatus are provided for producing mixed light in a direct view luminaire. The luminaire includes a plurality of light sources (132) that in combination are configured to generate a plurality of different colors of light a first light mixing chamber (110) and at least one second light mixing chamber (120) in light communication with the first mixing chamber through at least one opening (134). At least one directly viewable light exit surface (112) is coupled to the first light mixing chamber. The light sources are contained in the second light mixing chamber(s) which is configured to prevent light emitted from the light sources from directly impinging on the light exit surface(s). The first light mixing chamber and the light exit surface(s) are configured to mix the light emitted from the light sources such that all light exiting the light exit surface(s) is substantially uniform in brightness and color.



No. of Pages : 36 No. of Claims : 30

(22) Date of filing of Application :15/05/2014

(21) Application No.3659/CHENP/2014 A

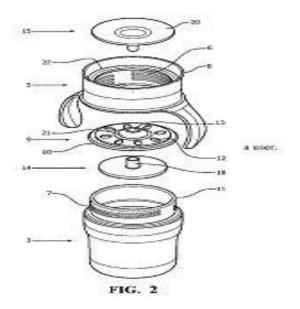
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : CLOSURE ASSEMBLY FOR A DRINKING CUP

(51) International classification	:A47G19/22	(71)Name of Applicant :
(31) Priority Document No	:11189584.3	1)KONINKLIJKE PHILIPS N.V.
(32) Priority Date	:17/11/2011	Address of Applicant : High Tech Campus 5 NL 5656 AE Eindhoven
(33) Name of priority country	:EPO	Netherlands
(86) International Application No	:PCT/IB2012/056277	(72)Name of Inventor :
Filing Date	:09/11/2012	1)CHAN Young Ming
(87) International Publication No	:WO 2013/072822	2)LI Wai Ho
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract :

A closure assembly for a drinking cup is disclosed. It comprises an annular body (5) mountable to an open upper end of a cup (3) and having a rim (8) to enable a user to drink liquid from said cup through the annular body (5). A closure member (9) is disposed within said body (5) and is positionable so as to extend across the open upper end of the cup (3) to which the body (5) is mounted. The closure member (9) has a plurality of apertures (12) in it. A sealing element (14) is located on an inner side of the closure member (9) and an actuator (15) on the opposite side of the closure member (9) which is accessible to a user when said closure assembly (2) is mounted to a cup (3). The sealing element (14) and actuator (15) are coupled to each other with the sealing element (14) biased into a rest position in which it is urged against said inner side of the closure member (9) to block said apertures (12) and prevent the flow of liquid therethrough. The arrangement is such that the sealing element (14) is moved out of said rest position to allow liquid to flow through said apertures (12) and out of the vessel when pressure sufficient to overcome said bias is applied to the actuator (15) by a user.



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

(22) Date of filing of Application :21/05/2014

(21) Application No.3822/CHENP/2014 A

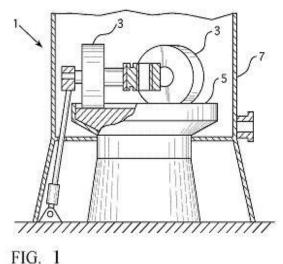
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : INSERT ARRANGEMENT FOR A ROLLER WEAR SURFACE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:B02C4/02B02C4/08B02C4/26 :61/578275 :21/12/2011 :U.S.A. :PCT/US2012/070249 :18/12/2012 :WO 2013/096251 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)FLSMIDTH A/S <ul> <li>Address of Applicant :77 Vigerslev Alle DK 2500 Valby Denmark</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)SHARMAN David Michael</li> <li>2)POWNELL Edward James</li> </ul> </li> </ul>
Filing Date	:NA	

(57) Abstract :

A roller for use in devices configured to comminute material has a wear surface. The wear surface comprises inserts that are spaced apart differently to provide a desired wear characteristic in the wear surface. In one embodiment some inserts may also have diameters or widths that are smaller than other inserts. For example columns of inserts adjacent an end of the roller may have diameters that are smaller or larger than inserts in columns located near the center of the roller or otherwise positioned between the two ends of the roller. As another example a middle portion of the wear surface may have inserts that include inserts of a larger or smaller diameter than inserts adjacent the ends of the wear surface.





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

(22) Date of filing of Application :21/05/2014

(21) Application No.3823/CHENP/2014 A

(43) Publication Date : 16/10/2015

### (54) Title of the invention : NOVEL HETEROCYCLIC ALKANOL DERIVATIVES

(57) Abstract :

The present invention relates to novel heterocyclic alkanol derivatives to a method for producing said compounds to agents comprising said compounds and to the use thereof as biologically active compounds in particular for controlling destructive microorganisms in pest management in material protection and as plant growth regulators.

No. of Pages : 61 No. of Claims : 11

(22) Date of filing of Application :23/05/2014

(21) Application No.3915/CHENP/2014 A

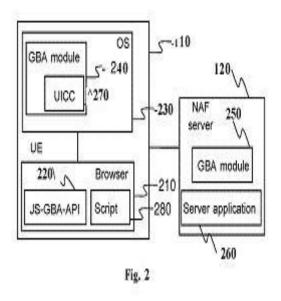
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : SECURITY MECHANISM FOR EXTERNAL CODE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:G06F21/00H04L9/08H04L9/32 :NA :NA :NA :PCT/FI2011/050953 :31/10/2011 :WO 2013/064716 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)NOKIA CORPORATION <ul> <li>Address of Applicant :Keilalahdentie 4 FI 02150 Espoo Finland</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)HOLTMANNS Silke</li> </ul> </li> <li>2)LAITINEN Pekka Johannes</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A method for providing a security mechanism for an external code wherein the method includes receiving the externalcode comprising a request for a server specific bootstrapping key (Ks\_NAF). The method further comprises determining a server identifier (NAF Id) and a security token. Furthermore the method comprises generating the server specific bootstrapping key (Ks\_NAF) based on the server identifier (NAF Id) and generating an external code specific bootstrapping key (Ks\_js\_NAF) using the server specific bootstrapping key (Ks\_NAF) and the security token. The method also comprises using the external code specific bootstrapping key (Ks\_js\_NAF) for the security mechanism of the external code.



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

(19) INDIA

(22) Date of filing of Application :23/05/2014

(43) Publication Date : 16/10/2015

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

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:25/10/2012 :WO 2013/080431 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SONY CORPORATION <ul> <li>Address of Applicant :1 7 1 Konan Minato ku Tokyo 1080075 Japan</li> <li>(72)Name of Inventor :</li> <li>1)MIYAZAKI Reiko</li> </ul> </li> </ul>
	:NA :NA	

(57) Abstract :

An information processing apparatus including a processor that receives an output from a user interface indicating that a first icon is selected; acquires sensor information corresponding to movement of the information processing apparatus; and controls a display to move at least a second icon on the display based on the acquired sensor information corresponding to the movement of the information processing apparatus upon receiving the output from the user interface that the first icon is selected.

No. of Pages : 37 No. of Claims : 24

(22) Date of filing of Application :23/05/2014

(21) Application No.3934/CHENP/2014 A

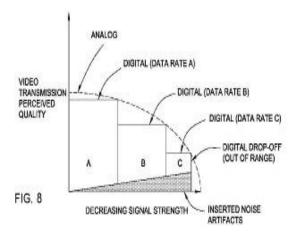
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : METHOD OF DISPLAYING A DIGITAL SIGNAL

(51) International classification	:H03D1/04H03K5/01	(71)Name of Applicant :
(31) Priority Document No	:61/550745	1)ROBOTEX INC.
(32) Priority Date	:24/10/2011	Address of Applicant :433 Lakeside Drive Sunnyvale California
(33) Name of priority country	:U.S.A.	94085 U.S.A.
(86) International Application No	:PCT/US2012/061712	(72)Name of Inventor :
Filing Date	:24/10/2012	1)GETTINGS Adam M.
(87) International Publication No	:WO 2013/063131	2)STEVENS Andrew G.
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

Devices communicate with one another over a wireless channel according to a signal strength of a signal transmitted over the wireless channel. Digital data captured at a source is transmitted over the wireless channel at a first quality if the signal strength or latency is above a threshold and at a second quality if the signal strength or latency is below the threshold. In addition noise can be inserted into the transmitted digital data as a way to alert the recipient of the signal of signal strength degradation at a finer granularity.



No. of Pages : 28 No. of Claims : 25

(22) Date of filing of Application :23/05/2014

(21) Application No.3913/CHENP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : METHOD OF CONSTRUCTING MERGE LIST

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:H04N7/32 :1020110115219 :07/11/2011 :Republic of Korea :PCT/CN2012/084240 :07/11/2012 :WO 2013/067938 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)INFOBRIDGE PTE. LTD. Address of Applicant :10 Anson Road #23 140 International Plaza Singapore 079903 Singapore</li> <li>(72)Name of Inventor :</li> <li>1)OH Soo Mi</li> <li>2)YANG Moonock</li> </ul>
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Provided is a methodchecks availability of spatial merge candidates and a temporal merge candidate constructs a merge candidate list using available spatial and temporal merge candidates and adds one or more candidates if the number of available spatial and temporal merge candidates is smaller than a predetermined number. The spatial merge candidate is motion information of a spatial merge candidate block the spatial merge candidate block is a left block an above right block a left below block or an above left block of the current block and if the current block is a second prediction unit partitioned by asymmetric partitioning the spatial merge candidate corresponding to a first prediction unit partitioned by the asymmetric partitioning is set as unavailable. Therefore the coding efficiency of motion information is improved by removing unavailable merge candidates and adding new merge candidates from the merge list.

No. of Pages : 37 No. of Claims : 7

#### (19) INDIA

(22) Date of filing of Application :07/05/2014

#### (43) Publication Date : 16/10/2015

# (54) Title of the invention : METHOD FOR CONTROLLING THE SUSPENSION IN A SUSPENSION SMELTING FURNACE A SUSPENSION SMELTING FURNACE AND A CONCENTRATE BURNER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C22B15/00F27D3/18 :NA :NA :NA :PCT/FI2011/051055 :29/11/2011 :WO 2013/079762 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)OUTOTEC OYJ Address of Applicant :Puolikkotie 10 FI 02230 Espoo Finland</li> <li>(72)Name of Inventor :</li> <li>1)LAHTINEN Markku</li> <li>2)PESONEN Lauri P.</li> <li>3)AHOKAINEN Tapio</li> <li>4)BJ-RKLUND Peter</li> </ul>
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

(57) Abstract :

The invention relates to a method for controlling suspension (8) in a suspension smelting furnace (1) to a suspension smelting furnace and to a concentrate burner (2). The method comprises feeding additionally to pulverous solid matter (6) and additionally to reaction gas (7) reducing agent (13) into the suspension smelting furnace (1) wherein reducing agent (13) is fed in the form of a concentrated stream of reducing agent (13) through the suspension (8) in the reaction shaft (2) onto the surface (9) of the melt (10) to form a reducing zone (15) containing reducing agent (13) within the collection zone (14) of the melt (10).

No. of Pages : 29 No. of Claims : 38

#### (19) INDIA

(22) Date of filing of Application :15/05/2014

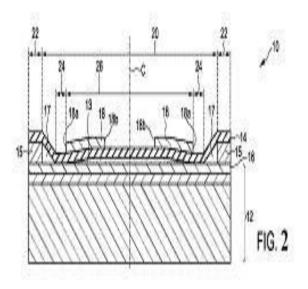
(43) Publication Date : 16/10/2015

# (54) Title of the invention : PRE COLLAPSED CAPACITIVE MICRO MACHINED TRANSDUCER CELL WITH ANNULAR SHAPED COLLAPSED REGION

	D0 (D1 (00	
(51) International classification	:B06B1/02	(71)Name of Applicant :
(31) Priority Document No	:61/560836	1)KONINKLIJKE PHILIPS N.V.
(32) Priority Date	:17/11/2011	Address of Applicant : High Tech Campus 5 NL 5656 AE Eindhoven
(33) Name of priority country	:U.S.A.	Netherlands
(86) International Application No	:PCT/IB2012/056152	(72)Name of Inventor :
Filing Date	:05/11/2012	1)ROBINSON Andrew Lee
(87) International Publication No	:WO 2013/072803	2)FRASER John Douglas
(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 relates to a pre collapsed capacitive micro machined transducer cell (10) comprising a substrate (12) comprising a first electrode (16) a membrane (14) comprising a second electrode (18) wherein the cell has an outer region (22) where the membrane (14) is mounted to the substrate (12) and an inner region (20) inside or surrounded by the outer region (22) wherein the membrane (14) is collapsed to the substrate (12) in a first collapsed annular shaped region (24) located within the inner region (20).



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

(22) Date of filing of Application :15/05/2014

(21) Application No.3657/CHENP/2014 A

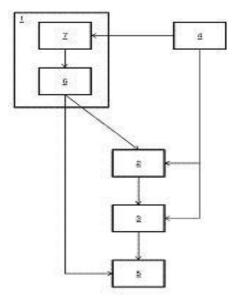
(43) Publication Date : 16/10/2015

#### (54) Title of the invention : IMAGE PROCESSING

(51) International classification	:G06T7/00	(71)Name of Applicant :
(31) Priority Document No	:61/560831	1)KONINKLIJKE PHILIPS N.V.
(32) Priority Date	:17/11/2011	Address of Applicant : High Tech Campus 5 NL 5656 AE Eindhoven
(33) Name of priority country	:U.S.A.	Netherlands
(86) International Application No	:PCT/IB2012/056237	(72)Name of Inventor :
Filing Date	:07/11/2012	1)VINK Jelte Peter
(87) International Publication No	:WO 2013/072816	2)VAN LEEUWEN Marinus Bastiaan
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

A system for processing an image comprises a region detector (1). The region detector comprises an artifact detector (7) for detecting a region comprising an artifact in the image. The system comprises a parameter determining unit (2) for determining a parameter based on a portion of the image excluding the detected region. The system comprises an image processing module (3) for processing the image using the derived parameter. The system comprises a display unit (5) for displaying the processed image with an indication of the detected region. The parameter determined by the parameter determining unit (2) can comprise a normalization parameter and the image processing module (3) can be arranged for performing a normalization of the image according to the normalization parameter.



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

FIG. 1

(19) INDIA

(22) Date of filing of Application :23/05/2014

(21) Application No.3903/CHENP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : 4 PREGENEN 11SS 17 21 TRIOL 3 20 DIONE DERIVATIVES FOR THE TREATMENT OF OCULAR CONDITIONS

(51) International classification	:A61K31/575A61P27/02	(71)Name of Applicant :
(31) Priority Document No	:61/558775	1)ALLERGAN INC.
(32) Priority Date	:11/11/2011	Address of Applicant :2525 Dupont Drive Irvine California 92612
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2012/064293	(72)Name of Inventor :
Filing Date	:09/11/2012	1)EDELMAN Jeffrey L.
(87) International Publication No	:WO 2013/071009	2)NEHME Alissar
(61) Patent of Addition to Application Number	:NA	3)MALONE Thomas C.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to novel 4 pregenen 11 17 21 triol 3 20 dione derivatives processes for preparing them pharmaceutical compositions containing them and their use as pharmaceuticals as modulators of glucocorticoid or mineralocorticoid receptors. The invention relates specifically to the use of these compounds and their pharmaceutical compositions to treat disorders associated with glucocorticoid or mineralocorticoid receptor modulation.

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

(22) Date of filing of Application :23/05/2014

(21) Application No.3904/CHENP/2014 A

(43) Publication Date : 16/10/2015

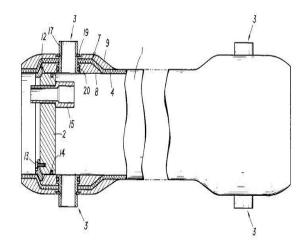
#### (54) Title of the invention : INTERNAL PRESSURE VESSEL

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:F16J12/00B01D63/00B29C70/16 :2011264541	1)ARISAWA MFG. CO. LTD.
(32) Priority Date	:02/12/2011	Address of Applicant :5 5 Minami Honcho 1 chome Joetsu shi Niigata
(33) Name of priority country	:Japan	9438610 Japan
(86) International Application No	:PCT/JP2012/072893	(72)Name of Inventor :
Filing Date	:07/09/2012	1)KAWAI Yuichi
(87) International Publication No	:WO 2013/080623	2)TANAKA Hiroshi
(61) Patent of Addition to Application	:NA	3)TOYOOKA Youichi
Number	:NA	4)IIYOSHI Takahiro
Filing Date		
(62) Divisional to Application Number	· :NA	
Filing Date	:NA	

(57) Abstract :

Provided is an internal pressure vessel which is not deformed into an elliptical shape by hole drilling at a side port but maintains a precise circular shape so as to maintain a high pressure of between 800 PSI and 1 200 PSI. In the internal pressure vessel which has a pipe body (1) formed by an FW method to be used in a seawater desalination process using a reverse osmosis membrane method or the like a closing lid (2) is disposed at both ends of the pipe body (1). An inlet and outlet portion (3) is disposed to introduce and withdraw a fluid at an inner side of the closing lid (2) at a circumferential surface of the pipe body (1). The pipe body (1) is composed of a helical layer (4) and a hoop layer and a sealing layer (6) which is disposed at an innermost layer. A separated portion (7) is disposed at the helical layer (4) away from the sealing layer (6) and across from an outer side position of the closing lid (2) toward an inner side position of the inlet and outlet portion (3). The hoop layer is configured from a first hoop layer (8) which is disposed between the separated portion (7) and the sealing layer (6) and a second hoop layer (9) which is disposed at an outer circumference of the helical layer (4) across from the side position of the closing lid (2) toward the inner side position of the inlet and outlet portion (3).





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

(22) Date of filing of Application :23/05/2014

#### (21) Application No.3905/CHENP/2014 A

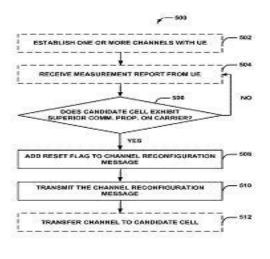
(43) Publication Date : 16/10/2015

# (54) Title of the invention : METHODS AND APPARATUSES FOR SELECTIVELY RESETTING AND TRANSFERRING A WIRELESS COMMUNICATION CHANNEL

(51) International classification	:H04W36/00H04L1/18H04W76/06	
(31) Priority Document No	:61/565360	1)QUALCOMM INCORPORATED
(32) Priority Date	:30/11/2011	Address of Applicant : Attn: International Ip Administration 5775
(33) Name of priority country	:U.S.A.	Morehouse Drive San Diego California 92121 U.S.A.
(86) International Application No	:PCT/US2012/067418	(72)Name of Inventor :
Filing Date	:30/11/2012	1)PANKAJ Fnu
(87) International Publication No	:WO 2013/082510	2)PALAKODETY Sivaram S.
(61) Patent of Addition to Application	n . N A	3)KAPOOR Rohit
Number		
Filing Date	:NA	
(62) Divisional to Application	.N. A	
Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

The present disclosure presents methods and apparatuses for selective channel reset. For example the disclosure describes example methods that may include determining that a candidate cell exhibits superior communication properties on a carrier than does a serving cell. In an aspect this carrier may correspond to an active serving cell channel. The example methods may also include adding a reset flag to a channel reconfiguration message based on the determining where the reset flag instructs a user equipment to reset a subset of a set of channels associated with the serving cell and the subset includes the channel. Furthermore example methods may include transmitting the channel reconfiguration message for example to a user equipment. Thus a specified subset of channels associated with the user equipment may be reset which reduces the signaling load complexity and power drain associated with legacy channel reset methods and apparatuses.





No. of Pages : 40 No. of Claims : 44

(22) Date of filing of Application :08/05/2014

(21) Application No.3481/CHENP/2014 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : ARCED PASSAGE TRANSFER APPARATUS
----------------------------------------------------------------

(51) International classification	:B65H5/06B65H43/00	(71)Name of Applicant :
(31) Priority Document No	:201110450325.6	1)GRG BANKING EQUIPMENT CO. LTD.
(32) Priority Date	:28/12/2011	Address of Applicant :9 Kelin Road Science City Luogang District
(33) Name of priority country	:China	Guangzhou Guangdong 510663 China
(86) International Application No	:PCT/CN2012/083644	(72)Name of Inventor :
Filing Date	:29/10/2012	1)CHA Xinxiang
(87) International Publication No	:WO 2013/097538	2)WU En
(61) Patent of Addition to Application Number	:NA	3)TAN Dong
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract :

An arced passage transfer apparatus (3). Same is arranged on a transfer passage between a banknote depositing module (34) a banknote dispensing module (36) and a banknote bundling module (38) of a financial self service device (1) having deposit withdraw and bundling features and comprises a large driving wheel (701) several flexible rollers (702) and a passage guide plate (703). The large driving wheel (701) comprises at least one H shaped wheel (7011) and at least one rubber wheel (7012) where the H shaped wheel (7011) and the rubber wheel (7012) are arranged on a same shaft. The flexible rollers (702) floatingly press on the rubber wheel (7012) and rotate in coordination with the rubber wheel (7012) to provide a driving force for transferring banknotes. The passage guide plate (703) is used for fixing the flexible rollers (702) to press on the rubber wheel (7011) constitute an arced passage for transferring the banknotes. As such the arced passage transfer apparatus reduces the number of parts and components reduces costs increases the reliability of banknote transfer and reduces drive load.

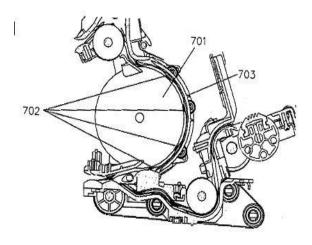


Fig. 21

No. of Pages : 42 No. of Claims : 10

(22) Date of filing of Application :22/05/2014

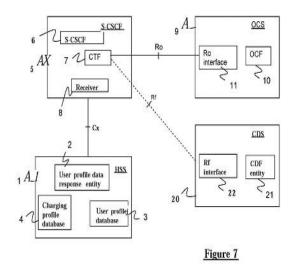
(43) Publication Date : 16/10/2015

# (54) Title of the invention : CHARGING DECISIONS IN AN IP MULTIMEDIA SUBSYSTEM

(31) Priority Document No:N(32) Priority Date:N(33) Name of priority country:N(36) International Application No:PFiling Date:2(87) International Publication No:W(61) Patent of Addition to Application Number:NFiling Date:N(62) Divisional to Application Number:N	H04L12/14H04L29/06 NA NA PCT/EP2011/074000 23/12/2011 WO 2013/091731 NA NA NA	<ul> <li>(71)Name of Applicant :</li> <li>1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant :S 164 83 Stockholm Sweden</li> <li>(72)Name of Inventor :</li> <li>1)BAER Anders</li> <li>2)DAHL Jan</li> <li>3)HARNESK Magnus</li> <li>4)KHAN David</li> </ul>
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# (57) Abstract :

Apparatus for use within an IP Multimedia Subsystem network and comprising a receiver for receiving for a given user a charging type defining whether the user is a pre paid user and or a post paid user. The apparatus further comprises a Charging Triggering Function CTF entity for sending accounting information messages relating to said user to an Online Charging Function over an Ro interface or to a Charging Data Function over an Rf interface and for including with the accounting information messages said charging type.



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

(22) Date of filing of Application :26/05/2014

(21) Application No.3950/CHENP/2014 A

(43) Publication Date : 16/10/2015

### (54) Title of the invention : OPHTHALMOLOGICAL AQUEOUS COMPOSITION

(51) International classification	:A61K9/08A61K31/045A61K31/122	(71)Name of Applicant :
(31) Priority Document No	:2011240167	1)ROHTO PHARMACEUTICAL CO. LTD.
(32) Priority Date	:01/11/2011	Address of Applicant :8 1 Tatsuminishi 1 chome Ikuno ku Osaka shi
(33) Name of priority country	:Japan	Osaka 5448666 Japan
(86) International Application No	:PCT/JP2012/078128	(72)Name of Inventor :
Filing Date	:31/10/2012	1)MATSUMURA Yasuko
(87) International Publication No	:WO 2013/065720	2)FURUMIYA Chinatsu
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)ITOH Masashi
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention provides an ophthalmological aqueous composition containing (A) a terpenoid (B) zinc chloride and (C) at least one type selected from a group consisting of a cellulose polymer compound a vinyl polymer compound polyethylene glycol and a dextran. This ophthalmological aqueous composition: is capable of suppressing a decrease over the long term in the amount of the terpenoid contained by suppressing adsorption of the terpenoid by a container; and furthermore has excellent histamine release inhibitory activity rheum inhibitory activity and the like.

No. of Pages : 56 No. of Claims : 7

(22) Date of filing of Application :23/05/2014

(21) Application No.3909/CHENP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : APPARATUS OF DECODING VIDEO DATA

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:07/11/2012 :WO 2013/067922 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)GENIP PTE. LTD.</li> <li>Address of Applicant :10 Anson Road # 23 14G International Plaza</li> <li>Singapore 079903 Singapore</li> <li>(72)Name of Inventor :</li> <li>1)OH Soo Mi</li> <li>2)YANG Moonock</li> </ul>
	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Provided is an apparatus that includes an inverse scanning unit configured to an inverse scan pattern to the quantized coefficient components to generate a quantized block having a size of a transform unit an inverse quantization unit configured to generate a quantization parameter and to inverse quantize the quantized block to generate a transformed block an inter prediction unit configured to derive motion information and to generate a prediction block and an adder configured to generate a reconstructed block using the residual block and the prediction block. The transform unit is larger than a 4x4 block each of the quantized coefficient components are inversely scanned in the unit of subset to generate multiple subsets and the multiple subsets are inversely scanned to generate the quantized block. Accordingly the coding efficiency of the motion information is improved by including various motion vector candidates. Also the amount of coding bits of the residual block is reduced by applying diagonal scan pattern to each subset.

No. of Pages : 33 No. of Claims : 7

(22) Date of filing of Application :16/05/2014

(21) Application No.3733/CHENP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : WORKING SURFACE AND SYSTEM AND METHOD FOR PRODUCTION THEREOF

(51) International classification	:B23B 15/00	(71)Name of Applicant :
(31) Priority Document No	:PCT/IL04/00800	1)Friction Control Solutions Ltd
(32) Priority Date	:05/09/2004	Address of Applicant : of 99 Hahistadrut Avenue Haifa 31250 Israel
(33) Name of priority country	:Israel	Israel
(86) International Application No	:PCT/IL2005/00284	(72)Name of Inventor :
Filing Date	:10/03/2005	1)SHAMSHIDOV Boris
(87) International Publication No	:WO/2006/027768	2)IGNATOVSKY Alexander
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:935/CHENP/2007	
Filed on	:05/03/2007	

(57) Abstract :

This invention relates to a mechanical device comprising a metal workpiece (131) having a working surface (132); a contact surface (135) disposed generally opposite said working surface (132) said contact surface (135) for moving in a relative motion to said working surface (132); a plurality of abrasive particles (136). said particles (136) disposed between said contact surface (135) and said working surface (132) and a mechanism associated with at least one of said working surface (132) and said contact surface (135) for applying said relative motion and for exerting a load in a substantially normal direction to said contact surface (135) and said working surface (135) for providing an at least partially elastic interaction with said plurality of abrasive particles (136) said contact surface (135) having a Shore D hardness within a range of 40-90 said contact surface (135) having an impact resistance within a range of 4-12 J/m and characterized in that upon activation of said mechanism said relative motion under said load causes a portion of said abrasive particles(136) to penetrate said working surface (132) so as to modify at least one surface property of said working surface (132).

No. of Pages : 64 No. of Claims : 29

(22) Date of filing of Application :27/05/2014

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : SPRING BRAKE CYLINDER WITH EMERGENCY RELEASE DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:Bo011//08F16D65/14 :10 2011 119 998.9 :02/12/2011 :Germany	<ul> <li>(71)Name of Applicant :</li> <li>(71)Name of Applicant :</li> <li>(71)KNORR BREMSE SYSTEME FÜR SCHIENENFAHRZEUGE GMBH <ul> <li>Address of Applicant :Moosacher Str. 80 80809 München Germany</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>(72)Name of Inventor :</li> </ul></li></ul>
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(57) Abstract :

The invention relates to a spring brake cylinder having a housing (4) in which a spring store piston (6) which is loaded by at least one spring store spring (1416) and which has a piston rod (24) is axially movable and having an emergency release device (26) comprising an emergency release actuation device an emergency release mechanism with a toothed wheel (38) for interrupting the force flow between the spring store piston (6) and piston rod (24) and a holding device (30) which is designed for holding the emergency release device (26) in various holding positions wherein the holding device has a pawl (30) which can be pivoted relative to the toothed wheel (38) into an engaged and a disengaged position and the emergency release actuation device has at least one actuation element (4244) which is movable relative to the housing (4) and which is loaded into its initial position by restoring spring means (46) and a driver (40) which can be actuated together with the actuation element (424) for driving the pawl (30) in such a way that upon an actuation of the actuation element (4244) the actuation force is transmitted to the driver (40) and from the latter to the pawl (30) in order to transfer the pawl (30) from a position in which it is engaged in relation to the toothed wheel (38) into a disengaged position. The invention provides that spring means (56; 62) are provided between the actuation element (4244) and the driver (40) or between the driver (40) and the pawl (30) which spring means are connected in parallel with the restoring spring means (46) and when the pawl (30) is driven by the driver (40) are compressed in order to generate a spring force which loads the pawl (30) into the position in which it is disengaged from the toothed wheel (48).

No. of Pages : 31 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :27/05/2014

#### (43) Publication Date : 16/10/2015

#### (54) Title of the invention : STEEL SHEET WITH EXCELLENT AGING RESISTANCE AND METHOD FOR PRODUCING SAME

(51) International classification	:C22C38/00C21D9/46C22C38/14	(71)Name of Applicant :
(31) Priority Document No	:2011270937	1)JFE STEEL CORPORATION
(32) Priority Date	:12/12/2011	Address of Applicant :2 3 Uchisaiwai cho 2 chome Chiyoda ku Tokyo
(33) Name of priority country	:Japan	1000011 Japan
(86) International Application No	:PCT/JP2012/007870	(72)Name of Inventor :
Filing Date	:10/12/2012	1)KIZU Taro
(87) International Publication No	:WO 2013/088692	2)FUJITA Koichiro
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

LtLtA steel sheet with excellent aging resistance and a method for producing the steel sheet are provided. The steel sheet: contains in percentage by mass 0.015 to 0.05% carbon (C) less than 0.10% silicon (Si) 0.1 to 2.0% manganese (Mn) 0.20% or less phosphorus (P) 0.1% or less sulfur (S) 0.01 to 0.10% aluminum (Al) 0.005% or less nitrogen (N) and 0.06 to 0.5% titanium (Ti); has a composition of C and Ti that satisfies Ti/C =4 (where Ti (mass%) = Ti 3.4N; and Ti C and N represent the content of each element (mass%)); and has a main constituent of ferrite with an average particle size of at least 7  $\mu$ m. Further the steel sheet has a structure in which the ratio (d/d) of the average particle size in the rolling direction d to the average particle size in the sheet thickness direction d of the ferrite is at least 1.1. The steel sheet thus has excellent aging resistance.

No. of Pages : 46 No. of Claims : 13

#### (19) INDIA

(22) Date of filing of Application :27/05/2014

(21) Application No.1134/KOLNP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : DEHYDRATOR

(51) International classification	:C02F11/12B01D33/06B04B1/20	(71)Name of Applicant :
(31) Priority Document No	:1020110110529	1)SIM Kwan Heum
(32) Priority Date	:27/10/2011	Address of Applicant :202 Ga dong Dongbyun Yeollip 438 4
(33) Name of priority country	:Republic of Korea	Bukbyeon dong Gimpo si Gyeonggi do 415 030 Republic of Korea
(86) International Application No	:PCT/KR2012/008931	(72)Name of Inventor :
Filing Date	:29/10/2012	1)SIM Kwan Heum
(87) International Publication No	:WO 2013/062387	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11A	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a dehydrator and more particularly to a technology for achieving improved dehydration efficiency as compared to conventional technologies while maintaining a volume dehydration time and rotational speed that are nearly the same as those of conventional technologies. To this end the dehydrator of the present invention comprises: a main body having an installation space therein; a pipe for supplying items to be dehydrated which is located within the installation space of the main body one side of which has an inlet hole for items to be dehydrated that is connected to the outside inside which a supply space connected to the inlet hole for items to be dehydrated is disposed and the other side of which has an outlet hole connected to the supply space; a dehydration tub which is rotatably arranged which surrounds the pipe for supplying items to be dehydrated in the installation space inside which a dehydration space connected to the outlet hole is arranged the circumferential surface of which has a dehydration hole for interconnecting the dehydration space and the installation space and one side of which has a discharge port for connecting the dehydration space to the outside; a first driving unit connected to the dehydration tub so as to rotate the dehydration tub; and a discharge guide unit located within the dehydration space so as to move the item to be dehydrated placed in the dehydration space toward the discharge port.

No. of Pages : 27 No. of Claims : 7

### (19) INDIA

(22) Date of filing of Application :02/06/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : METHOD FOR GENERATING A SIGNAL INDICATING AN OSCILLATION IN AN ELECTRICAL ENERGY SUPPLY NETWORK

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:H02J3/24 :NA	(71)Name of Applicant : 1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date	:NA	Address of Applicant :Wittelsbacherplatz 2 80333 München Germany
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:PCT/EP2011/073071	1)LITZINGER Andreas
Filing Date	:16/12/2011	2)PIEL Stefan
(87) International Publication No	:WO 2013/087122	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The aim of the invention is to provide the operating personnel of a control centre of an electrical energy supply in a suitable manner with information about any oscillations that have occurred in the energy supply network. Said aim is achieved by a method for generating a signal indicating an oscillation of an electrical variable in an electrical energy supply network. In said method a state variable characterising an oscillation state of the electrical variable is calculated from measured values of current indicators and/or voltage indicators. If an oscillation exists an amplitude characteristic value (A) indicating the amplitude of the course of the state variable and a damping characteristic value (xi) indicating a damping of an oscillation of the course of the state variable are additionally determined. The position of a particular value pair consisting of an amplitude characteristic value and an associated damping characteristic value is compared with hazard ranges which are present in a value range (44a c) and indicate a particular hazard level of the oscillation in the energy supply network to determine a hazard parameter and the signal indicating the oscillation is output on the basis of the particular hazard parameter.

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

(19) INDIA

(22) Date of filing of Application :02/06/2014

(43) Publication Date : 16/10/2015

### (54) Title of the invention : MULTIPLE COATED STEEL PIPE AND METHOD FOR PRODUCING SAME

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:F16L58/10B32B1/08B32B15/085 :2011282696 :26/12/2011 :Japan	<ul> <li>(71)Name of Applicant :</li> <li>1)JFE STEEL CORPORATION         Address of Applicant :2 3 Uchisaiwai cho 2 chome Chiyoda ku Tokyo 1000011 Japan     </li> </ul>
(86) International Application No Filing Date	:PCT/JP2012/064245 :25/05/2012	(72)Name of Inventor : 1)SUGAWARA Keiji
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li><li>Number</li></ul>	:WO 2013/099320 :NA :NA	2)HOSHINO Toshiyuki 3)HARADA Yasuhiro 4)KANEKO Masahito
Filing Date (62) Divisional to Application Number Filing Date		

(57) Abstract :

3322Provided is a multiple coated steel pipe that is obtained by covering the outer surface of an anti corrosion layer which covers the outer surface of a steel pipe with a protective layer that has adequate adhesiveness and releasability. Specifically provided are: a multiple coated steel pipe which is obtained by covering the outer surface of a steel pipe that serves as a base with an anti corrosion layer that is composed of a polyethylene resin layer and with a protective layer that is composed of a polypropylene resin layer and serves as an upper layer of the anti corrosion layer; and a method for producing the multiple coated steel pipe. The polypropylene resin that forms the protective layer is a copolymerized resin which contains 19 23% by mole of an ethylene component and has a melt flow rate of 0.53 0.60 g/10 min. The shear viscosity of the polypropylene resin at 280°C is from 1.7 x 10 Pa·s to 2.0 x 10 Pa·s as measured at a shear rate of 10/sec.

No. of Pages : 69 No. of Claims : 4

(19) INDIA

(22) Date of filing of Application :02/06/2014

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : HIGH STRENGTH HOT ROLLED STEEL SHEET AND MANUFACTURING METHOD THEREFOR

(51) International classification	:C22C38/00B21B3/00C21D9/46	(71)Name of Applicant :
(31) Priority Document No	:2011284685	1)JFE STEEL CORPORATION
(32) Priority Date	:27/12/2011	Address of Applicant :2 3 Uchisaiwai cho 2 chome Chiyoda ku Tokyo
(33) Name of priority country	:Japan	1000011 Japan
(86) International Application No	:PCT/JP2012/008003	(72)Name of Inventor :
Filing Date	:14/12/2012	1)FUNAKAWA Yoshimasa
(87) International Publication No	:WO 2013/099136	2)YAMAMOTO Tetsuo
(61) Patent of Addition to Application	:NA	3)UCHOMAE Hiroshi
Number	:NA	4)NAKANO Hiroshi
Filing Date	.NA	5)KIZU Taro
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is a high strength hot rolled steel sheet that exhibits little inter coil variability in mechanical properties and excellent stretch flangeability. By mass said steel sheet contains more than 0.010% and no more than 0.06% carbon up to 0.3% silicon up to 0.8% manganese up to 0.03% phosphorus up to 0.02% sulfur up to 0.1% aluminum up to 0.01% nitrogen and 0.05 0.10% titanium with the remainder comprising iron and unavoidable impurities. The amounts of silicon and manganese are minimized the amount of segregation and the like is reduced and strength variation due to inter coil position differences is decreased. The structure of the steel sheet is such that the area fraction of a ferrite phase is at least 95% the mean diameter of ferrite crystal grains is at least 1  $\mu$ m and TiC with a mean grain diameter of at most 7 nm is dispersed inside the ferrite crystal grains. This results in a high strength hot rolled steel sheet that maintains a yield strength of at least 530 MPa.

No. of Pages : 50 No. of Claims : 9

#### (19) INDIA

(22) Date of filing of Application :24/05/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : FIBER BUNDLE WRAPPING METHOD AND WRAPPING DEVICE AND HOLLOW FIBER BUNDLE MANUFACTURING METHOD AND MANUFACTURING DEVICE

(51) International classification	:A61M1/18B01D63/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)NIPRO CORPORATION
(32) Priority Date	:NA	Address of Applicant :9 3 Honjo nishi 3 chome Kita ku Osaka shi
(33) Name of priority country	:NA	Osaka 5318510 Japan
(86) International Application No	:PCT/JP2011/075505	(72)Name of Inventor :
Filing Date	:04/11/2011	1)YONEDA Atsushi
(87) International Publication No	:WO 2013/065193	2)KOTERA Hideyuki
(61) Patent of Addition to Application Number	:NA	3)DOI Kouichi
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided are: a fiber bundle wrapping method and wrapping device whereby a wrapping sheet is wrapped around a fiber bundle into which a plurality of fibers are bundled wherein the part of the wrapping sheet beyond one full circumference where the wrapping sheet overlaps itself when wrapped around the fiber bundle can be made longer; and a method and device for manufacturing hollow fiber bundles. In this fiber bundle (Bd) wrapping method and wrapping device (200) with a wrapping sheet (S) surrounding a fiber bundle (Bd) into which a plurality of fibers (Ba) are bundled the fiber bundle (Bd) together with the wrapping sheet (S) is rotated in a predetermined rotation direction (A2) thereby wrapping the wrapping sheet (S) around the fiber bundle (Bd).

No. of Pages : 126 No. of Claims : 19

#### (19) INDIA

(22) Date of filing of Application :24/05/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : FIBER BUNDLE BODY BUNDLING METHOD AND BUNDLING DEVICE AND HOLLOW FIBER BUNDLE MANUFACTURING METHOD AND MANUFACTURING DEVICE

(51) International classification	:A61M1/18B01D63/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)NIPRO CORPORATION
(32) Priority Date	:NA	Address of Applicant :9 3 Honjo nishi 3 chome Kita ku Osaka shi
(33) Name of priority country	:NA	Osaka 5318510 Japan
(86) International Application No	:PCT/JP2011/075503	(72)Name of Inventor :
Filing Date	:04/11/2011	1)YONEDA Atsushi
(87) International Publication No	:WO 2013/065191	2)KOTERA Hideyuki
(61) Patent of Addition to Application Number	:NA	3)DOI Kouichi
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided are: a fiber bundle body bundling method and bundling device whereby the amount of lengthwise space needed to cut an aggregated fiber bundle is reduced while still reliably cutting the aggregated fiber bundle into cut fiber bundles; and a hollow fiber bundle manufacturing method and manufacturing device. In this fiber bundle body (Bd) bundling method and bundling device (100) in which an aggregated fiber bundle (Bb) consisting of an aggregated plurality of continuous fibers (Ba) is sequentially cut into cut fiber bundles (Bc) while being conveyed in the lengthwise direction (W) thereof and said cut fiber bundles (Bc) are sequentially collected and bundled into a fiber bundle body (Bd) the aggregated fiber bundle (Bb) which is held at a first holding position (P1) and moves in a first direction (X1): is held at a second holding position (P2) after the first holding position (P3) upstream of the second holding position (P2); and is then cut between the second holding position (P2) and the third holding position (P3). This series of actions is then repeated with the third holding position (P3) becoming the first holding position (P1).

No. of Pages : 129 No. of Claims : 15

(22) Date of filing of Application :24/05/2014

(21) Application No.1116/KOLNP/2014 A

# (43) Publication Date : 16/10/2015

(54) Title of th	ne invention : A MOBILI	E INFUSION DEVICE	
<ul> <li>(31) Priority I</li> <li>(32) Priority I</li> <li>(33) Name of</li> <li>(36) Internation</li> <li>(37) Internation</li> <li>(38) Internation</li> <li>(38) Internation</li> <li>(38) Internation</li> <li>(38) Internation</li> <li>(31) Priority I</li> <li>(32) Priority I</li> <li>(32) Priority I</li> <li>(32) Priority I</li> <li>(33) Name of</li> <li>(31) Priority I</li> <li>(32) Priority I</li> <li>(33) Name of</li> <li>(31) Priority I</li> <li>(33) Name of</li> <li>(33) Name of</li> <li>(31) Priority I</li> <li>(33) Name of</li> <li>(31) Priority I</li> <li>(32) Priority I</li> <li>(33) Name of</li> <li>(31) Priority I</li> <li>(31) Priority I</li> <li>(32) Priority I</li> <li>(33) Name of</li> <li>(31) Priority I</li> <li>(32) Priority I</li> <li>(31) Priority I</li> <li>(32) Priority I</li> <li>(33) Name of</li> <li>(31) Priority I</li> <li>(32) Priority I</li> <li>(33) Name of</li> <li>(31) Priority I</li> <li>(32) Priority I</li> <li>(33) Name of</li> <li>(31) Priority I</li> <li>(31) Priority I</li> <li>(32) Priority I</li> <li>(31) Priority I</li> <li>(32) Priority I</li> <li>(33) Name of</li> <li>(31) Priority I</li> <li>(32) Priority I</li> <li>(32) Priority I</li> <li>(32) Priority I</li> <li>(33) Priority I</li> <li>(31) Priority I</li> <li>(32) Priority I</li> <li>(33) Priority I</li> <li>(34) Priority I</li> <li>(35) Priority I</li> <li>(34) Priority I</li> <li>(35) Priori</li></ul>	Date priority country onal Application No tte onal Publication No Addition to Application ate al to Application Number ate	:A61M5/152A61G12/00A61J1/16 :61/566397 :02/12/2011 :U.S.A. :PCT/CA2012/001103 :30/11/2012 :WO 2013/078545 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)TRENDYMED INC. Address of Applicant :1 Zahavy Drive Thornhill Ontario L4J 7R6 Canada</li> <li>(72)Name of Inventor :</li> <li>1)BARRELLI Aharon Ronny</li> <li>2)BAILEY Kevin</li> <li>3)BAILEY Matthew</li> <li>4)SAYAL Gautam</li> <li>5)DICKIE Robert G.</li> </ul>
(57) 41 4			

(57) Abstract :

Various embodiments are described herein for a mobile infusion device that does not use gravity to expel fluid from a bag. The device has a housing with a central chamber connected with an opening to receive a portion of the bag during use. A rotation assembly is coupled to the housing and includes at least one roller located within the central chamber and a spring mechanism operatively coupled to the at least one roller to rotate it to move the bag and apply a force to a portion of the bag to expel fluid therefrom during use. A control mechanism is operatively coupled to the rotation assembly and has a control assembly to control rotation of the rotation assembly and a user interface coupled to the control assembly to allow a user to select a mode of operation for the device. The spring mechanism is recharged in standby mode. Various mechanisms can be used in various embodiments to improve functionality such as a gearing mechanism.

No. of Pages : 86 No. of Claims : 29

(22) Date of filing of Application :03/06/2014

(21) Application No.1195/KOLNP/2014 A

(43) Publication Date : 16/10/2015

### (54) Title of the invention : ADJUSTABLE PRESSURE CONTROLLED VALVE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:F16K17/06F16K17/04F16K7/12 :NA :NA :NA :PCT/US2011/064813 :14/12/2011 :WO 2013/089694 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)NUMATICS INCORPORATED Address of Applicant :46280 Dylan Drive Novi MI 48377 U.S.A. </li> <li>(72)Name of Inventor : 1)HESSLING Terry John 2)MENKO Scott Andrew</li></ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A pressure controlled valve having a housing with a first pressure chamber for communication to a pneumatically pressurized control source. The housing has an inlet for communication with a pneumatic supply source and outlet selectively in fluid flow with the inlet. A movable valve selectively opens and closes with respect to a valve seat for selectively opening a pathway from the inlet to the outlet and closing the pathway between the inlet and outlet. The pressure chamber may be sealingly and fluidly separated from the pathway between the inlet and the outlet. The pressure chamber provides a closing biasing force on the movable valve and a resilient spring mounted in the housing provides an opening biasing force on the movable valve.

No. of Pages : 27 No. of Claims : 17

#### (19) INDIA

(22) Date of filing of Application :26/05/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : DISPENSING ARRANGEMENT FOR A HOUSEHOLD APPLIANCE FOR THE CARE OF LAUNDRY ITEMS AND HOUSEHOLD APPLIANCE FOR THE CARE OF LAUNDRY ITEMS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:D06F39/02 :10 2011 089 395.4 :21/12/2011 :Germany :PCT/EP2012/075870 :18/12/2012 :WO 2013/092537 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BSH BOSCH UND SIEMENS HAUSGERTE GMBH Address of Applicant :Carl Wery Str. 34 81739 München Germany</li> <li>(72)Name of Inventor :</li> <li>1)BOLDUAN Edwin</li> <li>2)SABALAT Andre</li> <li>3)WERNER Marcel</li> </ul>
Filing Date	:NA	

(57) Abstract :

The invention relates to a dispensing arrangement (8) for a household appliance (1) for the care of laundry items with a dispensing tray (8a) having an upper part (8b) and a lower part (8c) that can be connected thereto wherein a water inlet flow device with a water receiving depression is formed in the lower part (8c) and an outlet flow connection (8e 8f) opening into the water receiving depression is formed on the lower part (8c) wherein the lower part (8c) has a partial channel (8k) of a ventilation channel (8g) the partial channel opening into the outlet flow connection (8e 8f). The invention also relates to a household appliance (1) with such a dispensing arrangement (8).

No. of Pages : 22 No. of Claims : 10

(22) Date of filing of Application :26/05/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : METHOD TERMINAL SERVER SYSTEM AND STORAGE MEDIUM FOR MICROBLOG TOPIC PRESENTATION

(57) Abstract :

Disclosed are a method terminal server system and storage medium for microblog topic presentation. The present invention relates to the technical field of communications. Said method comprises the following steps: obtaining the receiving location information of a receiver when the receiver wants to receive the microblog topic; according to a preset distance and said receiving location information obtaining the microblog topic and the microblog topic issuing location information from a microblog server and the distance between said issuing location and said receiving location is less than or equal to said preset distance; presenting the microblog topic on the terminal on a map of the zone in which the receiver is located according to the issuing location information. Said system comprises: a terminal and a microblog server. The present invention can further promote the activity of microblog topics.

No. of Pages : 34 No. of Claims : 25

(19) INDIA

(22) Date of filing of Application :03/06/2014

(43) Publication Date : 16/10/2015

### (54) Title of the invention : EXTRUSION MACHINE WITH IMPROVED TEMPERATURE CONTROL SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:B29C47/82B29C47/92B29C47/66 :MI2011A002128 :23/11/2011 :Italy :PCT/EP2012/072998	<ul> <li>(71)Name of Applicant :</li> <li>1)SEMPLICE S.P.A.</li> <li>Address of Applicant :Via del Carroccio 8 I 20123 Milano Italy</li> <li>(72)Name of Inventor :</li> <li>1)PAOLETTI Stefano</li> </ul>
Filing Date	:19/11/2012	-,
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(2) Distributed to the Activity of Activi</li></ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	r:NA :NA	

(57) Abstract :

An extrusion machine (1) with improved structure comprising an internally hollow extrusion cylinder (2) at least one heating element associated with the extrusion cylinder (2) at least one cooling fan (30 39) which engages the outer surface of the extrusion cylinder (2) and at least one temperature probe (3) which is inserted in the extrusion cylinder (2) the temperature probe (3) facing the cavity (4) of the extrusion cylinder (2) and the temperature probe (3) being adapted to be in direct contact with the extrusion material contained in the cavity (4) of the extrusion cylinder (2).

No. of Pages : 16 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :03/06/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : DEVICE AND METHOD FOR CONNECTING IN A SWITCHABLE MANNER

(51) International classification	:F16K11/074F16K37/00F16K31/54	(71)Name of Applicant :
(31) Priority Document No	:10 2011 119 021.3	1)SAIER Beatrice
(32) Priority Date	:22/11/2011	Address of Applicant :Hagenmattenstraße 18 79117 Freiburg / Kappel
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/DE2012/001101	2)SAIERMICHAEL
Filing Date	:20/11/2012	(72)Name of Inventor :
(87) International Publication No	:WO 2013/075692	1)SAIER Michael
(61) Patent of Addition to	:NA	2)WEBERLOTHAR
Application Number		
Filing Date	:NA	
(62) Divisional to Application	.NT A	
Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates among other items to a device (10) with a plurality of inlets (27a 27b 27c 27d 27e 27f) and one outlet (19) wherein each of the inlets (27a 27b 27c 27d 27e 27f) can be connected to a material supply container (13a 13b 13c 13d 13e 13f). An actuator (12) that can be displaced relative to the inlets and has a through channel (42) is furnished in order to provide a switchable connection between one of the plurality of inlets and the outlet. A communicative connection can be created between the through channel and one of the various inlets in order to allow various materials to be successively supplied to the outlet. One of the characteristic features is that at least one of the inlets (28) is designed as a flushing medium inlet of a flushing device (47) and that as a result of the actuator (12) being displaced a communicative connection can be created between the through channel (42) and the flushing medium inlet for the purposes of flushing the through channel.

No. of Pages : 71 No. of Claims : 13

#### (19) INDIA

(22) Date of filing of Application :26/05/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : RINSING ARRANGEMENT FOR A DOMESTIC APPLIANCE FOR THE CARE OF LAUNDRY ITEMS AND DOMESTIC APPLIANCE FOR THE CARE OF LAUNDRY ITEMS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:D06F39/02 :10 2011 089 390.3 :21/12/2011 :Germany :PCT/EP2012/075794	<ul> <li>(71)Name of Applicant :</li> <li>1)BSH BOSCH UND SIEMENS HAUSGERTE GMBH Address of Applicant :Carl Wery Str. 34 81739 München Germany</li> <li>(72)Name of Inventor :</li> <li>1)BOLDUAN Edwin</li> </ul>
Filing Date (87) International Publication No (61) Patent of Addition to Application Number	:17/12/2012 :WO 2013/092491 :NA	2)SABALAT Andre 3)SCHLITZER Alexander
<ul><li>(61) Fatent of Addition to Application Number</li><li>(62) Divisional to Application Number</li><li>Filing Date</li></ul>	:NA :NA :NA :NA	

(57) Abstract :

The invention relates to a rinsing arrangement (8) for a domestic appliance (1) for the care of laundry items comprising a rinsing dish (8a) that has an upper portion (8b) and a lower portion (8c) connectable to thereto wherein a water supply device (8d) having a water receiving tray is formed in the lower portion (8c) and an outlet connector (8e8f) is formed on the lower portion (8c) which opens into the water receiving tray wherein a dividing wall (31) that is separate from the lower portion (8c) and can be attached to the lower portion (8c) is formed and in the arranged state of the dividing wall (31) a siphon (8n) is formed between the outlet connector (8e8f) and a water receiving space (8j) formed in the lower portion (8c). The invention further relates to a domestic appliance (1) having a rinsing arrangement (8).

No. of Pages : 26 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :26/05/2014

(43) Publication Date : 16/10/2015

## (54) Title of the invention : SELECTIVE ETCHING OF A MATRIX COMPRISING SILVER NANO WIRES

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:H01L51/10H01L51/52H01L51/00 :11008621.2 :27/10/2011	1)MERCK PATENT GMBH Address of Applicant :Frankfurter Strasse 250 64293 Darmstadt
(33) Name of priority country	:EPO	Germany
(86) International Application No	:PCT/EP2012/004095	(72)Name of Inventor :
Filing Date	:28/09/2012	1)STOCKUM Werner
(87) International Publication No	:WO 2013/060409	2)DOLL Oliver
(61) Patent of Addition to Application	-NI A	3)KOEHLER Ingo
Number	:NA	4)MATUSCHEK Christian
Filing Date	:NA	
(62) Divisional to Application Number	r:NA	
Filing Date	:NA	

(57) Abstract :

The present invention refers to a method for selectively structuring of a polymer matrix comprising AgNW (silver nano wires) or CNTs (carbon tubes) or comprising mixtures of AgNW and CNTs on a flexible plastic substructure or solid glass sheet. The method also includes a suitable etching composition which allows to proceed the method in a mass production.

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

(22) Date of filing of Application :26/05/2014

### (43) Publication Date : 16/10/2015

# (54) Title of the invention : CUTTING INSERT HAVING CURVED RAMPS FOR INSERTION INTO A TOOL HOLDER CUTTING TOOL AND METHOD OF ASSEMBLY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:B23B27/04B23B29/04 :61/582756 :03/01/2012 :U.S.A. :PCT/IL2012/050507 :05/12/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)ISCAR LTD.</li> <li>Address of Applicant :P.O. Box 11 24959 Tefen Israel</li> <li>(72)Name of Inventor :</li> <li>1)HECHT Gil</li> </ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:WO 2013/105080 :NA :NA :NA :NA	

(57) Abstract :

A cutting tool (20 120) used for grooving and turning operations where a cutting insert (22122) is resiliently securable in a holder blade (24). The cutting insert (22122) includes an insert central lower surface (42) located between and recessed with respect to two insert lower component surfaces (38) each having an insert lower abutment surface (40). At least one of the two insert lower component surfaces (38) includes an insert inner curved ramp (46) extending from its insert lower abutment surface (40) to the adjacent insert lower intermediate surface (44) and at least the other of the two insert lower component surfaces (38) includes an insert outer curved ramp (48) extending from its insert lower abutment surface (40) to an adjacent end surface (32).

No. of Pages : 30 No. of Claims : 25

(19) INDIA

(22) Date of filing of Application :04/06/2014

(43) Publication Date : 16/10/2015

(54) Title of the invention : METHOD FOR REMOVING RADIOACTIVE CESIUM HYDROPHILIC RESIN COMPOSITION FOR REMOVING RADIOACTIVE IODINE AND RADIOACTIVE CESIUM AND HYDROPHILIC RESIN COMPOSITION FOR REMOVING RADIOACTIVE IODINE AND RADIOACTIVE CESIUM AND HYDROPHILIC RESIN COMPOSITION FOR REMOVING RADIOACTIVE IODINE AND RADIOACTIVE CESIUM

(57) Abstract :

The purpose of the present invention is to provide a simple and inexpensive method for removing radioactive cesium or radioactive iodine and radioactive cesium obviating the need for electrical power or other energy sources allowing removed radioactive material to be incorporated into a solid and stably secured and as necessary enabling radioactive waste volume to be reduced; as well as to provide a hydrophilic resin compound used for the method. The purpose is achieved by using a hydrophilic resin composition containing at least one hydrophilic resin at least having a hydrophilic segment selected from the group consisting of a hydrophilic polyurethane resin a hydrophilic polyure resin and a hydrophilic polyurethane polyure resin. At a minimum zeolite is dispersed in the composition in a ratio of 1 to 200 wt parts per 100 wt parts of the hydrophilic resin.

No. of Pages : 120 No. of Claims : 23

(22) Date of filing of Application :26/05/2014

# (43) Publication Date : 16/10/2015

# (54) Title of the invention : CUTTING INSERT HAVING HOLE ORIENTATION INDICIA AND METHOD FOR MAKING THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:61/584428 :09/01/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)ISCAR LTD.</li> <li>Address of Applicant :P.O. Box 11 24959 Tefen Israel</li> <li>(72)Name of Inventor :</li> <li>1)HECHT Gil</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A cutting insert includes a first surface a second surface and a peripheral surface extending therebetween and an insert hole extending between the first and second surfaces and having a hole axis. A cross section of at least a portion of the insert hole taken perpendicular to the hole axis has an oval shape. The cutting insert also includes a mark provided on at least one of the first and second surfaces indicating the orientation of the cross sectional oval shape of the at least a portion of the insert hole.

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

(22) Date of filing of Application :27/05/2014

(21) Application No.1125/KOLNP/2014 A

(43) Publication Date : 16/10/2015

### (54) Title of the invention : DEVICE FOR SIFTING GRANULAR MATERIAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:PCT/EP2012/073513 :23/11/2012 :WO 2013/079416	<ul> <li>(71)Name of Applicant :</li> <li>1)MASCHINENFABRIK KÖPPERN GMBH &amp; CO. KG Address of Applicant :Königsteiner Straße 2 45529 Hattingen Germany</li> <li>(72)Name of Inventor :</li> <li>1)GÜNTER Harald</li> <li>2)HANSTEIN Thomas</li> <li>3)NEUMANN Eberhard</li> </ul>
<ul> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA	3)NEUMANN Eberhard 4)DE WELDIGE Eggert

(57) Abstract :

The invention relates to a device (1) for sifting granular material into at least three fractions comprising at least one static sifter (2) forming a first sifting stage and at least one dynamic sifter (3) forming a second sifting stage wherein the static sifter (2) has several impact installations and conducting installations (8 9) arranged one below the other in the manner of stairs in a sifter housing (4) having a first material inlet (5) a sifting gas inlet (6) and a coarse material outlet (7) wherein the dynamic sifter (3) is designed as a rod basket sifter having a rotary rod basket (12) and has a sifter housing (11) having at least one medium material outlet (17) and one fine material outlet (18). The static sifter (2) is directly connected laterally to the second sifter housing (11) of the dynamic sifter (3) by means of the sifter housing (4) of the static sifter which sifter housing is arranged for example in the manner of a shaft and at an angle to the vertical and the static shifter transitions into the second shifter housing. The rod basket (12) of the dynamic sifter (3) rotates about a vertical axis (14).

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

(22) Date of filing of Application :04/06/2014

(21) Application No.1207/KOLNP/2014 A

# (43) Publication Date : 16/10/2015

(54) Title of the invention : SUPPORT TYPE DISPLAY DEVICE		
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G09F9/00 :1020110116810 :10/11/2011 :Republic of Korea :PCT/KR2012/009367 :08/11/2012 :WO 2013/069970 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)EOM Ho Seob Address of Applicant :A 2002 212 Olympic ro Songpa gu Seoul 138</li> <li>791 Republic of Korea</li> <li>(72)Name of Inventor :</li> <li>1)EOM Ho Seob</li> </ul>

(57) Abstract :

A support type display device (100) of the present invention comprises: a fixing member (110) which is fixed to a support (200); a display panel (120) which is fixed to one side of the fixing member (110) and has a flexible form that can be rolled and unrolled; and shape maintenance means (130) which are respectively installed along upper and lower parts of the display panel (120) and roll the display panel (120) or unroll in the shape of a flat board to maintain the rolled or unrolled state if an external force is applied. The present invention is installed on an outdoor support and is used for advertising and/or prevention wherein a flexible display panel which can be rolled and unrolled is used such that the display panel is unrolled only when necessary whereby the invention can be used for advertising and/or prevention.

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

(22) Date of filing of Application :04/06/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : PROCESS OF PURIFICATION OF TEICOPLANIN

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:C07K9/00C07K1/18A61K38/14 :11188776.6 :11/11/2011 :EPO :PCT/EP2012/072226	<ul> <li>1)LEK PHARMACEUTICALS D.D. Address of Applicant :Verovskova 57 1526 Ljubljana Slovenia (72)Name of Inventor :</li> <li>1)ANDRENSEK Samo</li> </ul>
Filing Date (87) International Publication No	:09/11/2012 :WO 2013/068517	2)GRAHEK Rok 3)MARKO Tomaz
<ul> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA	

(57) Abstract :

The invention provides an inexpensive process for isolation of teicoplanin from a fermentation culture of Actinoplanes teichomyceticus in a grade for pharmaceutical application with substantial removal of colours. Applying optimal combination of cation and anion exchange techniques together with further improved purification affords a unique decoloured teicoplanin material. According to some embodiments the glycopeptide antibiotic is eluted from the ion exchange column at a pH from 5 to below 9.

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

(22) Date of filing of Application :04/06/2014

(43) Publication Date : 16/10/2015

(54) Title of the invention : METHOD AND DEVICE FOR CONTROLLING SERVING GRANT OF USER TERMINAL IN NEIGHBORING CELL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(80) Name of Application Name</li> </ul>	:H04W28/08 :201110456345.4 :30/12/2011 :China	<ul> <li>(71)Name of Applicant :</li> <li>1)HUAWEI TECHNOLOGIES CO. LTD. Address of Applicant :Huawei Administration Building Bantian Longgang Shenzhen Guangdong 518129 China</li> <li>(72)Name of Lyngedong</li> </ul>
(86) International Application No Filing Date	:PC1/CN2012/086903 :19/12/2012	(72)Name of Inventor : 1)HE Chuanfeng
(87) International Publication No	:WO 2013/097635	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method and device for controlling serving grant of user terminal in neighboring cell are provided in the present invention embodiments and a user terminal base station radio network controller and communication system with the device are also provided. The method for controlling user equipment(UE) in Cell Forward access channel(CELL FACH) or idle state in its neighboring cell via common Enhanced Dedicated Channel Relative Grant Channel(E RGCH) of each cell in which the UEs in CELL FACH or idle state acquire control command by monitoring the common E RGCH of the neighboring cell of the resided cell and thus adjust its serving grant. The method includes: further setting at least one controlled condition; determining whether the UE satisfies at least one controlled condition; and if the UE satisfies at least one controlled condition adjusting the serving grant of the UE based on the acquired control command. According to the method and device for controlling serving grant UE in neighboring cell in the present invention embodiments the throughput of the UE is prevent to decrease overly while the interference is controlled to the UE in CELL FACH or idle state in the neighboring cell and thus the communication performance is improved.

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

(22) Date of filing of Application :05/06/2014

(21) Application No.1211/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : PROCESS FOR RECOVERY OF NALMEFENE HYDROCHLORIDE

(51) International classification	:C07D489/08A61K31/485A61P25/30	
(31) Priority Document No	:PA 2011 00948	1)H. LUNDBECK A/S
(32) Priority Date	:06/12/2011	Address of Applicant : Ottiliavej 9 DK 2500 Valby Denmark
(33) Name of priority country	:Denmark	(72)Name of Inventor :
(86) International Application No	:PCT/EP2012/074623	1)DE FAVERI Carla
Filing Date	:06/12/2012	2)STIVANELLO Mariano
(87) International Publication No	:WO 2013/083685	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

Τ

(57) Abstract :

The present invention relates to an improved process for recovery of nalmefene hydrochloride [17 (cyclopropylmethyl) 4 5 alpha epoxy 6 methylenemorphinan 3 14 diol hydrochloride] from an aqueous composition containing nalmefene and certain impurities.

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

(22) Date of filing of Application :05/06/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR PROVIDING TOOLS ON A MACHINE TOOL AND MACHINE TOOL HAVING A TOOL CHANGING SYSTEM

(51) International classification	:B23Q3/155B23Q3/157	(71)Name of Applicant :
(31) Priority Document No	:102011088055.0	1)DECKEL MAHO PFRONTEN GMBH
(32) Priority Date	:08/12/2011	Address of Applicant :Deckel Maho Str. 1 87459 Pfronten Germany
(33) Name of priority country	:Germany	(72)Name of Inventor :
(86) International Application No	:PCT/EP2012/074746	1)KRAFT Oliver
Filing Date	:07/12/2012	2)RIEDEL Sebastian
(87) International Publication No	:WO 2013/083756	3)TRENKLE Michael
(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 relates to a system an apparatus and a method for providing tools on a machine tool. The system comprises a first tool magazine (10) for holding a plurality of tools (2); a first feeding device (30) which is designed to remove tools (2) from the first tool magazine (10) and to feed them to the spindle (41); at least one second tool magazine (20) for holding a plurality of tools (2); a second feeding device (23) which is designed to remove tools (2) from the second tool magazine (20) and to provide them at a predetermined transfer position; and a transfer apparatus which is designed to feed tools (2) removed from the second tool magazine (20) to the first tool magazine (10) so that the second tool magazine (20) acts as a supply magazine for the first tool magazine (10).

No. of Pages : 53 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :05/06/2014

(43) Publication Date : 16/10/2015

(54) Title of the invention : DEVICE FOR ASSESSING A HYGIENIC STATE OF A WATER CONDUCTING DOMESTIC APPLIANCE AND A DOMESTIC APPLIANCE OF THIS TYPE AND A METHOD FOR ASSESSING A HYGIENIC STATE OF A CORRESPONDING DOMESTIC APPLIANCE

(51) International classification	:D06F35/00	(71)Name of Applicant :
(31) Priority Document No	:10 2011 089 364.4	1)BSH BOSCH UND SIEMENS HAUSGERTE GMBH
(32) Priority Date	:21/12/2011	Address of Applicant : Carl Wery Str. 34 81739 München Germany
(33) Name of priority country	:Germany	(72)Name of Inventor :
(86) International Application No	:PCT/EP2012/075872	1)EGLMEIER Hans
Filing Date	:18/12/2012	2)SCHAUB Hartmut
(87) International Publication No	:WO 2013/092538	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a device (7) for assessing a hygienic state of a water conducting domestic appliance (1) in particular of a domestic appliance for the care and/or cleaning of laundry items or crockery having a water circuit and/or a vessel (4) and an electric detection device (10) which is coupled to the water circuit and/or the vessel (4) and is configured for assessing the hygienic state of the water circuit and/or the vessel (4) depending on a capacity measurement. The invention also relates to a water conducting domestic appliance (1) and to a method for assessing a hygienic state of a water conducting domestic appliance (1).

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

(22) Date of filing of Application :27/05/2014

(21) Application No.1140/KOLNP/2014 A

(43) Publication Date : 16/10/2015

### (54) Title of the invention : METHOD FOR IDENTIFYING MICROORGANISMS BY MASS SPECTROMETRY

(51) International classification	:H01J49/00	(71)Name of Applicant :
(31) Priority Document No	:11306610.4	1)BIOMÉRIEUX INC.
(32) Priority Date	:02/12/2011	Address of Applicant :100 Rodolphe Street Durham North Carolina
(33) Name of priority country	:EPO	27712 U.S.A.
(86) International Application No	:PCT/IB2012/056860	(72)Name of Inventor :
Filing Date	:30/11/2012	1)STRUBEL Grégory
(87) International Publication No	:WO 2013/080170	2)ARSAC Maud
(61) Patent of Addition to Application Number	:NA	3)DESSEREE Denis
Filing Date	:NA	4)COTTE PATTAT Pierre Jean
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method for identifying a microorganism by mass spectrometry including: acquiring at least one mass spectrum of said microorganism; for each mass spectrum acquired: detecting peaks of the spectrum in a predetermined range of masses and generating a list of peaks containing no more than one peak in each interval of a predetermined subdivision of the range of mass to charge ratios the width of the intervals of the subdivision logarithmically increasing with the mass to charge ratio; and analysing the obtained list(s) of peaks in accordance with a knowledge base of previously identified microorganisms and/or types of microorganisms.

No. of Pages : 17 No. of Claims : 7

(22) Date of filing of Application :27/05/2014

#### (21) Application No.1141/KOLNP/2014 A

#### (43) Publication Date : 16/10/2015

#### (54) Title of the invention : FLEXIBLE COUPLING

(51) International classification	:F16D3/52F16D3/60F16D3/62	(71)Name of Applicant :
(31) Priority Document No	:2012/07167	1)TOSIO Christopher Thomas
(32) Priority Date	:25/09/2012	Address of Applicant :29 Shepherd Avenue Bryanston Ext 5 2191
(33) Name of priority country	:South Africa	Randburg South Africa
(86) International Application No	:PCT/IB2013/053313	(72)Name of Inventor :
Filing Date	:26/04/2013	1)TOSIO Christopher Thomas
(87) International Publication No	:WO 2014/049454	
(61) Patent of Addition to Application	:NA	
Number	:NA :NA	
Filing Date	.1174	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a flexible coupling typically for use in a sugar mill. The coupling (10110) has a drive side yoke (12112) connected to a drive shaft at a transverse orientation relative to the drive shaft and a driven side yoke (14114) connectable to a driven shaft at a transverse orientation relative to the drive shaft. There is also a compression strut (16116) located between the drive and driven shafts also at an orientation transverse to the drive and driven shafts. Drive connection means acts between the ends of the yokes and the ends of the compression strut so that drive can be transmitted from the drive shaft to the driven shaft via the drive connection means and the compression strut. In accordance with the invention the drive and driven yokes each have a hub (1811824124) mountable to the respective drive or driven shaft and a pair of tubes (2012026126) radiating in opposite directions from the hub.

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

(22) Date of filing of Application :06/06/2014

(21) Application No.1222/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : APPARATUS METHOD AND COMPUTER PROGRAMM FOR AVOIDING CLIPPING ARTEFACTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:61/576099 :15/12/2011 :U.S.A. :PCT/EP2012/075591 :14/12/2012 :WO 2013/087861	<ul> <li>(71)Name of Applicant :</li> <li>1)FRAUNHOFER GESELLSCHAFT ZUR FÖRDERUNG DER</li> <li>ANGEWANDTEN FORSCHUNG E.V. Address of Applicant :Hansastrasse 27c 80686 München Germany</li> <li>(72)Name of Inventor :</li> <li>1)HEUBERGER Albert</li> <li>2)EDLER Bernd</li> <li>3)RETTELBACH Nikolaus</li> <li>4)GEYERSBERGER Stefan</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA :NA	4)GEYERSBERGER Stefan 5)HILPERT Johannes
		1

(57) Abstract :

An audio encoding apparatus comprises an encoder for encoding a time segment of an input audio signal to be encoded to obtain a corresponding encoded signal segment. The audio encoding apparatus further comprises a decoder for decoding the encoded signal segment to obtain a re decoded signal segment. A clipping detector is provided for analyzing the re decoded signal segment with respect to at least one of an actual signal clipping or an perceptible signal clipping and for generating a corresponding clipping alert. The encoder is further configured to again encode the time segment of the audio signal with at least one modified encoding parameter resulting in a reduced clipping probability in response to the clipping alert.

No. of Pages : 22 No. of Claims : 28

(22) Date of filing of Application :06/06/2014

(21) Application No.1223/KOLNP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : HEAT EXCHANGER

(51) International classification	:F28F9/22F25B39/02F28F9/02	(71)Name of Applicant :
(31) Priority Document No	:2011255345	1)DAIKIN INDUSTRIES LTD.
(32) Priority Date	:22/11/2011	Address of Applicant :Umeda Center Building 4 12 Nakazaki nishi 2
(33) Name of priority country	:Japan	chome Kita ku Osaka shi Osaka 5308323 Japan
(86) International Application No	:PCT/JP2012/007533	(72)Name of Inventor :
Filing Date	:22/11/2012	1)joseph lei
(87) International Publication No	:WO 2013/076993	2)ORITANI Yoshio
(61) Patent of Addition to Application	:NA	3)KAZUSA Takuya
Number	:NA	4)OHTANI Yasutaka
Filing Date	.NA	5)HAMADATE Junichi
(62) Divisional to Application Number	:NA	6)KIKUCHI Yoshimasa
Filing Date	:NA	

(57) Abstract :

The first header collecting pipe (60) of a heat exchanger (23) has a lower space (62) which is partitioned by partition plates (808590) into three communication chambers (62a62c) and a mixing chamber (63). The mixing chamber (63) is connected to the first communication chamber (62a) through a connecting through hole (86) in the lower lateral partition plate (85) is connected to the second communication chamber (62b) through a connecting through hole (95) in the vertical partition plate (90) and is connected to the third communication chamber (62c) through a connecting through hole (81) in the upper lateral partition plate (80). A refrigerant in a gas liquid two phase state flows into the mixing chamber (63) and is mixed and after that the refrigerant is distributed to the communication chambers (62a62b62c). As a result the wetness of the refrigerant flowing into flat pipes (32) is made uniform and the performance of the heat exchanger (23) is sufficiently exhibited.

No. of Pages : 103 No. of Claims : 15

(22) Date of filing of Application :28/05/2014

(21) Application No.1145/KOLNP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : CONVERTER IN DELTA CONFIGURATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:H02M1/12H02M1/42H02J3/18 :NA :NA :NA :PCT/EP2011/072903 :15/12/2011 :WO 2013/087110	<ul> <li>(71)Name of Applicant :</li> <li>1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant :Wittelsbacherplatz 2 80333 München Germany </li> <li>(72)Name of Inventor : 1)SCHUSTER Dominik 2)GAMBACH Herbert </li> </ul>
<ul> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA	

(57) Abstract :

The invention relates among other things to a converter (10) for a three phase voltage with three electrically delta connected series circuits (R1 R2 R3) each comprising at least two switching modules (SM) connected in series and with a control device (30) connected to the switching modules (SM) that can drive the switching modules (SM) in such a way that branch currents with the fundamental frequency of the three phase voltage and with at least one additional current harmonic flow in the series circuits (R1 R2 R3) the additional current harmonic being dimensioned such that it flows in the series circuits (R1 R2 R3) of the converter (10) and remains inside the converter.

No. of Pages : 36 No. of Claims : 10

(22) Date of filing of Application :28/05/2014

#### (21) Application No.1146/KOLNP/2014 A

#### (43) Publication Date : 16/10/2015

# (54) Title of the invention : TRANSVINYLATION AS A FIRST STAGE OF COUPLING PRODUCTION OF VINYL ESTERS AND ACETIC ACID OR PROPIONIC ACID REACTION PRODUCTS

(51) International classification	:C07C67/10C07C69/01C07C69/24	(71)Name of Applicant :
(31) Priority Document No	:10 2012 002 274.3	1)OXEA GMBH
(32) Priority Date	:06/02/2012	Address of Applicant : Otto Roelen Strasse 3 46147 Oberhausen
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2013/000142	(72)Name of Inventor :
Filing Date	:18/01/2013	1)JOHNEN Leif
(87) International Publication No	:WO 2013/117295	2)STRUTZ Heinz
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	r:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method for the coupling production of acetic acid or propionic acid reaction products and a vinyl ester of formula R C(O)O CH = CH2by a transvinylation reaction of a carboxylic acid of formula R C(O)OH with a transvinylation reagent of formula R C(O)O CH = CH wherein R represents an aliphatic cycloaliphatic or aromatic radical and R is methyl or ethyl and the transvinylation reaction is continuously carried out without removing a reaction partner in the presence of a transition metal catalyst containing at least one transition metal selected from the group comprising ruthenium osmium rhodium iridium palladium and platinum the obtained reaction mixture being separated from its components the vinyl ester of formula R C(O)O CH = CH2 and the carboxylic acid of formula R C(O) OH being separated and the thus obtained carboxylic acid R C(O) OH being converted into a derivative of formula R C(O) X R CH OH or R C(O) OH.

No. of Pages : 39 No. of Claims : 25

(19) INDIA

(22) Date of filing of Application :06/06/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : MAGNETIC FIELD SHIELD FOR ELECTROMAGNETIC FIELDS AND VEHICLE HAVING AN INTEGRATED MAGNETIC FIELD SHIELD

(51) International classification	:H05K9/00B32B15/00B60L11/18	(71)Name of Applicant :
(31) Priority Document No	:10 2011 056 807.7	1)THYSSENKRUPP STEEL EUROPE AG
(32) Priority Date	:21/12/2011	Address of Applicant : Kaiser Wilhelm Straße 100 47166 Duisburg
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2012/074505	2)THYSSENKRUPP ELECTRICAL STEEL GMBH
Filing Date	:05/12/2012	(72)Name of Inventor :
(87) International Publication No	:WO 2013/092215	1)KEUTZ Andreas
(61) Patent of Addition to Application	:NA	2)DORNER Dorothée
Number		3)JANSEN Andreas
Filing Date	:NA	4)HERGET Florian
(62) Divisional to Application Number	:NA	5)BREIDENBACH Andreas
Filing Date	:NA	6)PATBERG Lothar

(57) Abstract :

The invention relates to a magnetic field shield for electromagnetic fields preferably in the frequency range of 50 Hz to 200 kHz essentially comprising a composite plate (1) formed by at least three layers (1.1 1.2 1.3; 1.1 1.21 1.22 1.31 1.32) arranged one over the other wherein at least one of the layers is made of electrical sheet or electrical strip. According to the invention in order to economically create such a magnetic field shield having low weight and good shielding effect at least one of the layers is made of steel sheet and at least one of the layers is made of plastic and/or elastomer wherein the at least one layer (1.3; 1.31 1.32) made of plastic and/or elastomer connects the at least one layer (1.1) made of electrical sheet/electrical strip and the at least one layer (1.2; 1.21 1.22) made of steel sheet to each other in a bonded manner.

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

(22) Date of filing of Application :06/06/2014

(21) Application No.1226/KOLNP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : WATER LIFTING SYSTEM AND METHOD HAVING SUCH A SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:F04D1/06F04D9/04F04D13/04 :10 2011 088 246.4 :12/12/2011 :Germany :PCT/EP2012/073301 :22/11/2012 :WO 2013/087387	<ul> <li>(71)Name of Applicant :</li> <li>1)KSB AKTIENGESELLSCHAFT Address of Applicant :Johann Klein Straße 9 67227 Frankenthal </li> <li>Germany  (72)Name of Inventor : 1)HENG Thomas 2)FREIENSTEIN Benedikt</li></ul>
<ul> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA	

(57) Abstract :

The invention relates to a water lifting system in particular a fire extinguishing system for offshore installations such as oil and/or gas production platforms or ships or the like comprising a pump (3) having a suction opening and an output opening a pump turbine assembly (6) having a pump unit (4) and a turbine unit (5) wherein the pump unit (4) and the turbine unit (5) each have a suction or input opening and an output opening and a line (7) connecting the output opening of the pump unit (4) of the pump turbine assembly and the suction opening of the pump (3) and conducting a volume flow (Q). According to the invention the volume flow (Q) comprises a first partial volume flow (Q) and a second partial volume flow (Q) wherein a line (10) conducting the first partial volume flow (Q) is connected to at least one water extraction point and a line (11) conducting the second partial volume flow (Q) is connected to the input opening of the turbine unit (5) of the pump turbine assembly (6). The invention further relates to a method having such a system.

No. of Pages : 30 No. of Claims : 12

(22) Date of filing of Application :28/05/2014

(21) Application No.1152/KOLNP/2014 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : WORK VEHICLE

(51) International classification	:E02F9/22E02F3/43	(71)Name of Applicant :
(31) Priority Document No	:2011277310	1)HITACHI CONSTRUCTION MACHINERY CO. LTD.
(32) Priority Date	:19/12/2011	Address of Applicant :5 1 Koraku 2 chome Bunkyo ku Tokyo
(33) Name of priority country	:Japan	1128563 Japan
(86) International Application No	:PCT/JP2012/075986	(72)Name of Inventor :
Filing Date	:05/10/2012	1)AOKI Isamu
(87) International Publication No	:WO 2013/094283	2)HYODO Koji
(61) Patent of Addition to Application Number	:NA	3)TANAKA Tetsuji
Filing Date	:NA	4)KIKUCHI Keigo
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is a work vehicle such that the height of a work tool as a control threshold value for a ride control device or an automatic transmission control device can be appropriately set and high operability travel stability and work efficiency can be obtained. A value detected by an angle sensor (39) upon operation of a signal input switch (46) by an operator is stored in a height position storage unit (35b) of a main controller (35) as height position information about a bucket (13) for excavation work. In the height position storage unit (35b) the height position of the bucket (13) for hauling work and the height position of the bucket (13) for loading work are stored in advance as offset values from the height position information about the bucket (13) for excavation work. In this way the ride control device or the automatic transmission control device can be appropriately controlled regardless of operator preferences or habits.

No. of Pages : 53 No. of Claims : 4

CATION

(21) Application No.1153/KOLNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :28/05/2014

(43) Publication Date : 16/10/2015

### (54) Title of the invention : FUNCTIONAL UNIT FOR ADJUSTING A BRAKE PAD OF A DISC BRAKE

(57) Abstract :

The invention relates to a functional unit for adjusting a brake pad of a disc brake having the following functional parts: a bridge (1) two adjusting spindles (2) arranged parallel and spaced apart from each other in the bridge and held in an axially movable manner and a synchronization device (3) for synchronously adjusting the adjusting spindles (2) wherein the functional parts are pre mounted into one assembly.

No. of Pages : 13 No. of Claims : 6

(22) Date of filing of Application :28/05/2014

(43) Publication Date : 16/10/2015

#### (51) International classification :H04W16/14 (71)Name of Applicant : (31) Priority Document No :201110370961.8 1)HUAWEI TECHNOLOGIES CO. LTD. (32) Priority Date :21/11/2011 Address of Applicant :Huawei Administration Building Bantian (33) Name of priority country Longgang Shenzhen Guangdong 518129 China :China (86) International Application No :PCT/CN2012/084926 (72)Name of Inventor : Filing Date :21/11/2012 1)CHEN Lei (87) International Publication No :WO 2013/075617 (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA

#### (54) Title of the invention : METHOD DEVICE AND DATA FRAME FOR SENSING SPECTRUM

(57) Abstract :

Provided are a method device and data frame for sensing a spectrum. The method for sensing a spectrum comprises: determining configuration information about a spectrum sensing protection interval in a guard period GP for preventing interference wherein the spectrum sensing protection interval is used to prevent the interference to spectrum sensing caused by signal transmission and the configuration information is used to indicate the position of the spectrum sensing protection interval; and period; setting a mute period in the guard period. The present invention ensures the compatibility with an existing protocol by reusing the guard period in a transmission frame to set a mute period in the guard period; and effectively avoids the interference to spectrum sensing caused by signal transmission by setting a spectrum sensing protection interval which includes a previous guard interval and/or a post guard interval and performs spectrum sensing without affecting signal transmission.

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

(22) Date of filing of Application :09/06/2014

(21) Application No.1235/KOLNP/2014 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : COMBINATIONS OF ANTIFUNGAL COMPOUNDS AND TEA TREE OIL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:A01N65/28A01P3/00 :61/557827 :09/11/2011 :U.S.A. :PCT/IB2012/056263 :08/11/2012 :WO 2013/068961	<ul> <li>(71)Name of Applicant :</li> <li>1)STOCKTON (ISRAEL) LTD. Address of Applicant :17 HaMefalsim St. P.O. Box 3517 4951447</li> <li>Petach Tikva Israel</li> <li>(72)Name of Inventor :</li> <li>1)REUVENI Moshe</li> </ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>		
Filing Date	:NA	

(57) Abstract :

There is disclosed a method for treating a plant infection caused by a fungus of the phylum basidiomycota comprising applying to the plant a combination of tea tree oil (TTO) and a synthetic fungicidal compound. Other embodiments are also disclosed.

No. of Pages : 53 No. of Claims : 20

(22) Date of filing of Application :09/06/2014

(21) Application No.1236/KOLNP/2014 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : OVERHEAD CABLE TERMINATION ARRANGEMENT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:61/579396 :22/12/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)TYCO ELECTRONICS RAYCHEM BVBA Address of Applicant :Diestsesteenweg 692 B 3010 Kessel Lo</li> </ul>
<ul><li>(33) Name of priority country</li><li>(86) International Application No Filing Date</li></ul>	:U.S.A. :PCT/EP2012/074612 :06/12/2012	Belgium 2)TYCO ELECTRONICS UK LTD (72)Name of Inventor :
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	:WO 2013/092232 :NA :NA	1)WAITE Alastair J. 2)THIJS Danny Ghislain
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A telecommunications apparatus (10210) includes a frame (20220) for mounting to a fiber optic cable trough (104106206). The frame (20220) includes a main body (22222) defining at least one opening (2426). The opening (2426) receives a connector module (60260). The frame (20220) includes a plurality of extensions (40240) extending transversely to the main body (22) wherein one or more extensions (40240) includes two parallel prongs (42) separated by a slot (44). Fasteners (34) mount the frame (20220) to slots (138) on a trough system element.

No. of Pages : 32 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :30/05/2014

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : HIGH STRENGTH STEEL SHEET AND PROCESS FOR PRODUCING SAME

(51) International classification	:C22C38/00C21D9/46C22C38/06	(71)Name of Applicant :
(31) Priority Document No	:2011276997	1)JFE STEEL CORPORATION
(32) Priority Date	:19/12/2011	Address of Applicant :2 3 Uchisaiwai cho 2 chome Chiyoda ku Tokyo
(33) Name of priority country	:Japan	1000011 Japan
(86) International Application No	:PCT/JP2012/007663	(72)Name of Inventor :
Filing Date	:29/11/2012	1)NAKAGAWA Kouichi
(87) International Publication No	:WO 2013/094130	2)KAWAMURA Kenji
(61) Patent of Addition to Application	NTA .	3)YOKOTA Takeshi
Number	:NA	4)SETO Kazuhiro
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided are a high strength steel sheet which has a tensile strength (TS) of 600 700 MPa an elongation (El) of 25% or higher and a hole expansion ratio () of 80% or higher and has excellent formability and a process for producing the steel sheet. The high strength steel sheet has a composition which contains in terms of mass% 0.10 0.18% C 0.5 1.5% excluding 0.5% Si 0.5 1.5% Mn up to 0.05% P up to 0.005% S and up to 0.05% Al with the remainder comprising Fe and unavoidable impurities. The sheet has a microstructure which comprises ferrite and pearlite the volume proportion of the ferrite being 70 97% and the volume proportion of the pearlite being 3% or higher and in which cementite is present at the ferrite grain boundaries in an amount of 2% by volume or less the volume proportion of the phases other than the ferrite pearlite and cementite is less than 3% in total and the ferrite has an average grain diameter of 7  $\mu$ m or less.

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

(19) INDIA

(22) Date of filing of Application :30/05/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : POWER TRAIN SYSTEM AND METHOD FOR OPERATING A POWER TRAIN SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B60K25/02F16D48/06B60W30/188 :10 2011 119 769.2 :30/11/2011 :Germany :PCT/EP2012/074011 :29/11/2012 :WO 2013/079625 :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ul> <li>(71)Name of Applicant :</li> <li>(71)KNORR BREMSE SYSTEME FÜR NUTZFAHRZEUGE</li> </ul> </li> <li>GMBH <ul> <li>Address of Applicant :Moosacher Str. 80 80809 München Germany</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>(72)MELLAR Jörg</li> </ul> </li> </ul>
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(57) Abstract :

The invention relates to a method for operating a power train system (10) of a commercial vehicle (12) comprising a power train (16) mechanically driven by a drive motor (14) of the commercial vehicle (12) a connecting element for transmitting mechanical drive force from the drive motor (14) to the power train (16) and a coupling (20) for interrupting the drive force transmitted to the power train (16) via the connecting element wherein the power train system (10) further has at least one bearing (22 24 26 28 30) which is lubricated with oil by means of an oil circuit (32) in the drive motor (14). Provided according to the invention is that the coupling (20) is closed by a control signal when a period of time At lapses after the drive motor (14) is started up and/or a minimum oil pressure is present in the oil circuit (32). The invention further relates to a power train system (10).

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

(22) Date of filing of Application :10/06/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : HIGH CARBON HOT ROLLED STEEL SHEET WITH EXCELLENT HARDENABILITY AND MINIMAL IN PLANE ANISOTROPY AND METHOD FOR PRODUCING SAME

(51) International classification	:C22C38/00B21B3/00C21D9/46	(71)Nome of Applicant -
(31) Priority Document No	:2012000406	1)JFE STEEL CORPORATION
(32) Priority Date	:05/01/2012	Address of Applicant :2 3 Uchisaiwai cho 2 chome Chiyoda ku Tokyo
(33) Name of priority country	:Japan	1000011 Japan
(86) International Application No	:PCT/JP2012/008226	(72)Name of Inventor :
Filing Date	:25/12/2012	1)MIYAMOTO Yuka
(87) International Publication No	:WO 2013/102982	2)KOBAYASHI Takashi
(61) Patent of Addition to Application	:NA	3)NAKAMURA Nobuyuki
Number		4)FUNAKAWA Yoshimasa
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is a high carbon hot rolled steel sheet with excellent hardenability and minimal in plane anisotropy characterized by: containing by mass  $0.20\ 0.48\%$  C at most 0.1% Si at most 0.5% Mn at most 0.03% P at most 0.01% S at most 0.10% sol.Al at most 0.005% N and  $0.0005\ 0.0050\%$  B the remainder having a composition comprising Fe and unavoidable impurities; having a microstructure comprising ferrite and cementite the average particle size of the cementite being no greater than  $1.0\mu$ m; and the absolute value of the in plane anisotropy (r) for a value (r) being no greater than 0.1; also provided is a method for producing the steel sheet.

No. of Pages : 26 No. of Claims : 11

(22) Date of filing of Application :10/06/2014

(21) Application No.1255/KOLNP/2014 A

(43) Publication Date : 16/10/2015

## (54) Title of the invention : METHODS AND COMPOSITIONS FOR THE TREATMENT OF DIVERTICULOSIS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K31/195 :61/630831 :19/12/2011 :U.S.A. :PCT/US2012/000576 :14/12/2012 :WO 2013/095681 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)EMMAUS MEDICAL INC. Address of Applicant :20725 South Western Avenue #136 Torrance CA 90501 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)NIIHARA Yutaka</li> </ul>
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(57) Abstract :

The present invention is directed to methods and compositions for the treatment of diverticulosis. It is more specifically directed to compositions including L glutamine its salts or its derivatives and uses of such compositions in the treatment of diverticulosis. In a method aspect the present invention provides a method of treating diverticulosis. The method includes ingestion of 0.05 g/kg body weight to 10.0 g/kg body weight of L glutamine an L glutamine salt or an L glutamine derivative per day by a person who has diverticulosis.

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

(22) Date of filing of Application :30/05/2014

(21) Application No.1172/KOLNP/2014 A

(43) Publication Date : 16/10/2015

### (54) Title of the invention : DOUBLE PIPE HEAT EXCHANGER AND AIR CONDITIONER USING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:F28D7/06F25B1/00F25B40/00 :2011262525 :30/11/2011 :Japan :PCT/JP2012/078678	<ul> <li>(71)Name of Applicant :</li> <li>1)DAIKIN INDUSTRIES LTD.</li> <li>Address of Applicant :Umeda Center Building. 4 12 Nakazaki Nishi 2</li> <li>chome Kita ku Osaka shi Osaka 5308323 Japan</li> <li>(72)Name of Inventor :</li> </ul>
Filing Date	:06/11/2012	1)KAGAWA Mikio
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li></ul>	:WO 2013/080754 :NA	2)SAO Tadashi 3)NAKAGAWA Yuusuke
Number Filing Date	:NA	4)SAKURAI Katsutoshi
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Provided is a double pipe heat exchanger that can be compactly configured but is capable of restraining the outflow of a liquid refrigerant contained in a gas liquid two phase refrigerant from an inner pipe and is capable of preventing the occurrence of refrigerant flood back. The double pipe heat exchanger (31) is provided with: an outer pipe (32) that allows a high pressure liquid refrigerant to flow therethrough; and an inner pipe (33) having an inlet side end (33A) which allows a low pressure gas liquid two phase refrigerant which is obtained by reducing the pressure of the high pressure liquid refrigerant to flow in and an outlet side end (33B) connected to the suction side of a compressor. The double pipe heat exchanger (31) comprises a plurality of vertical pipes (34A 34B) arranged in a vertical direction and a curved pipe (35) that connects the ends of the plurality of vertical pipes (34A 34B). The outlet side end (33B) of the inner pipe (33) is provided to the upper end of one vertical pipe (34B) and the inlet side end (33A) of the inner pipe (33) is provided to the upper end of the other vertical pipe (34A).

No. of Pages : 23 No. of Claims : 4

(22) Date of filing of Application :30/05/2014

(21) Application No.1173/KOLNP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : RESOURCE MAPPING METHOD AND APPARATUS FOR DOWNLINK CONTROL CHANNEL

(51) International classification	:H04W28/06	(71)Name of Applicant :
(31) Priority Document No	:NA	1)FUJITSU LIMITED
(32) Priority Date	:NA	Address of Applicant :1 1 Kamikodanaka 4 chome Nakahara ku
(33) Name of priority country	:NA	Kawasaki shi Kanagawa 211 8588 Japan
(86) International Application No	:PCT/CN2011/084522	(72)Name of Inventor :
Filing Date	:23/12/2011	1)WANG Yi
(87) International Publication No	:WO 2013/091234	2)ZHOU Hua
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

Embodiments of the present invention provide a resource mapping method and apparatus for a downlink control channel. The method comprises: according to the size of a resource sub block in a resource block (RB) determining the number of resource sub blocks required to correspond to a predetermined number of enhanced control channel elements (eCCEs); according to the number of the resource sub blocks required to correspond to the predetermined number of eCCEs determining the number of RBs to which the predetermined number of eCCEs require to be mapped; and according to the number of the RBs to which the predetermined number of eCCEs of a downlink control channel (PDCCH) to RBs locations on each RB of the resource sub blocks corresponding to the eCCEs in the PDCCH or the predetermined number of eCCEs being different. In the method and the apparatus of the embodiments of the present invention a mapping sequence in each RB of a PDCCH of each user is alternately changed so that the number of PDCCH resources of each user is homogenized thereby ensuring that the PDCCH performance is not influenced by a pilot signal.

No. of Pages : 29 No. of Claims : 12

#### (19) INDIA

(22) Date of filing of Application :30/05/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : MUTUAL DETACHABLE CONNECTION OF TWO SUPPORT SECTIONS OF A VARIABLE LENGTH CONSTRUCTION SUPPORT

(51) International classification	:E04G25/06	(71)Name of Applicant :
(31) Priority Document No	:10 2011 122 065.1	1)PERI GMBH
(32) Priority Date	:22/12/2011	Address of Applicant :Rudolf Diesel Straße 89264 Weißenhorn
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2012/074387	(72)Name of Inventor :
Filing Date	:04/12/2012	1)HBERLE Wilfried
(87) International Publication No	:WO 2013/092204	2)SPECHT Rudolf
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a G hook for the mutual detachable connection of two support sections of a telescopic construction support comprising a pin and a bow. The pin and the bow are different separate parts that are connected to each other in a rotationally rigid manner. The pin comprises a force application section having a surface that is curved in some regions and a force removal section that is diametrically opposite to the force application section the surface of the force removal section being substantially flat. The invention further relates to a telescopic construction support the support sections of which are detachably connected to each other by means of a G hook according to the invention.

No. of Pages : 36 No. of Claims : 11

(22) Date of filing of Application :10/06/2014

(21) Application No.1258/KOLNP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : CONVERTER STEELMAKING METHOD

(51) International classification	:C21C5/30C21C1/02C21C5/46	(71)Name of Applicant :
(31) Priority Document No	:2011278224	1)JFE STEEL CORPORATION
(32) Priority Date	:20/12/2011	Address of Applicant :2 3 Uchisaiwai cho 2 chome Chiyoda ku Tokyo
(33) Name of priority country	:Japan	1000011 Japan
(86) International Application No	:PCT/JP2012/082905	(72)Name of Inventor :
Filing Date	:19/12/2012	1)UCHIDA Yuichi
(87) International Publication No	:WO 2013/094634	2)IGARASHI Yuma
(61) Patent of Addition to Application	:NA	3)NEGISHI Hidemitsu
Number	:NA	4)SASAKI Naotaka
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

To provide a converter steelmaking method that is advantageous over the conventional method and that enables efficient dephosphorization refining during the manufacture of molten steel by simultaneous decarburization refining and dephosphorization refining of molten iron in a converter furnace. [Solution] A converter steelmaking method comprising manufacturing molten steel from molten iron by simultaneously decarburizing and dephosphorization refining CaO is added while oxygen gas is supplied to a converter furnace and decarburization refining of molten iron is performed and the dephosphorization refining agent is deposited as slag wherein the dephosphorization refining agent is supplied to the molten iron bath surface together with at least one gas jet from a top lance and the dynamic pressure with which the gas jet from the top lance impinges on the molten iron bath surface is controlled to or below the appropriate value thereof obtained by quantitative evaluation of the increase in dynamic pressure due to the kinetic energy of the accompanying dephosphorization refining agent.

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

(19) INDIA

(22) Date of filing of Application :29/05/2014

#### (43) Publication Date : 16/10/2015

### (54) Title of the invention : A METHOD OF DETECTING AND/OR QUANTIFYING AN ANALYTE IN A BIOLOGICAL SAMPLE

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:02/11/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)UNIVERSITY OF CAPE TOWN <ul> <li>Address of Applicant :Lovers Walk Rondebosch 7700 Cape Town</li> </ul> </li> <li>South Africa <ul> <li>(72)Name of Inventor :</li> <li>1)BLACKBURN Jonathan Michael</li> <li>2)EVANS Michael</li> <li>3)KRISHNAN Sriram</li> <li>4)BROSSEAU Christa Lynn</li> </ul> </li> </ul>
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(57) Abstract :

An aptamer based SERS detection technique that directly monitors an aptamer analyte capture event by generating spectroscopic information regarding the identity of the analyte that has been bound to the aptamer from a complex biological sample. A reproducible SERS spectrum is measured for an aptamer analyte complex formed on a metal surface and this spectral information is used directly to identify the specific aptamer analyte complex and optionally also to quantify the analyte in the sample thus enabling discrimination between true and false positives in quantitative analyte assays on complex biological samples. In one embodiment the aptamer is attached directly to the metal surface and surrounded by a self assembled monolayer (SAM) of amphiphilic molecules. In an alternative embodiment the metal surface is coated with a SAM and the aptamer is attached to the amphiphilic molecules of the SAM.

No. of Pages : 40 No. of Claims : 30

(19) INDIA

(22) Date of filing of Application :29/05/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : METHODS AND ARRANGEMENTS FOR TRANSMITTING AND RECEIVING DOWNLINK CONTROL INFORMATION FOR MOBILE WIRELESS COMMUNICATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:H04L5/00H04W72/00 :61/556557 :07/11/2011 :U.S.A. :PCT/SE2012/051145 :24/10/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant :SE 164 83 Stockholm Sweden</li> <li>(72)Name of Inventor :</li> <li>1)FRENNE Mattias</li> <li>2)HOYMANN Christian</li> </ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:WO 2013/070145 :NA :NA :NA :NA	3)FURUSKOG Johan 4)LARSSON Daniel 5)CHENG Jung Fu 6)KOORAPATY Havish

(57) Abstract :

Some embodiments provide a method for transmitting a downlink control channel in at least one block of resources. The downlink control channel comprises a set of resource element groups. The method may be executed by a transmitting node e.g. an eNB. The transmitting node first determines whether to transmit the downlink control channel using localized or distributed transmission. Responsive to determining to use localized transmission the transmitting node performs the transmission such that all resource element groups in the set that are comprised in the same block of resources are mapped to the same antenna port and the antenna port depends on which subset of resource element groups in the block of resources are used for the downlink control channel.

No. of Pages : 78 No. of Claims : 38

(22) Date of filing of Application :10/06/2014

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : HOT ROLLED HIGH TENSILE STRENGTH STEEL SHEET AND METHOD FOR MANUFACTURING SAME

(51) International classification	:C22C38/00B21B3/00C21D8/02	(71)Name of Applicant :
(31) Priority Document No	:2011285906	1)JFE STEEL CORPORATION
(32) Priority Date	:27/12/2011	Address of Applicant :2 3 Uchisaiwai cho 2 chome Chiyoda ku Tokyo
(33) Name of priority country	:Japan	1000011 Japan
(86) International Application No	:PCT/JP2012/008211	(72)Name of Inventor :
Filing Date	:21/12/2012	1)NAKATA Hiroshi
(87) International Publication No	:WO 2013/099192	2)SHIBATA Tomoaki
(61) Patent of Addition to Application	:NA	3)KAMI Chikara
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The purpose of the present invention is to provide a hot rolled high tensile strength steel sheet which does not undergo local buckling when formed into a steel pipe or tube and deformed by bending shows excellent deformation characteristics after being formed into a pipe or tube and is appropriately usable as line pipes and oil well pipes or tubes. The constitution of the present invention is a composition comprising in mass% 0.04 0.08% of C not more than 0.50% of Si 0.8 2.2% of Mn not more than 0.02% of P not more than 0.006% of S not more than 0.1% of Al not more than 0.008% of N 0.05 0.8% of Cr 0.01 0.08% of Nb 0.001 0.12% of V and 0.005 0.04% of Ti wherein the contents of Nb V and Ti are controlled so as to satisfy a definite requirement with the balance made up of Fe and incidental impurities characterized in that a surface layer has a structure comprising bainite as a primary phase 0.5 4% by volume of martensite as a secondary phase and not more than 10% by volume in total of one or more members selected from among a ferrite phase pearlite and cementite as a tertiary phase.

No. of Pages : 32 No. of Claims : 9

(22) Date of filing of Application :10/06/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : WATERPROOF AND VAPOR PERMEABLE SHOE PARTICULARLY BUT NOT EXCLUSIVELY OF THE SAFETY TYPE OR THE LIKE

(51) International classification	:A43B7/08A43B9/12A43B7/12	(71)Name of Applicant :
(31) Priority Document No	:PD2011A000395	1)GEOX S.P.A.
(32) Priority Date	:16/12/2011	Address of Applicant : Via Feltrina Centro 16 I 31044
(33) Name of priority country	:Italy	MONTEBELLUNA LocalitIà Biadene (Treviso) Italy
(86) International Application No	:PCT/EP2012/072494	(72)Name of Inventor :
Filing Date	:13/11/2012	1)POLEGATO MORETTI Mario
(87) International Publication No	:WO 2013/087324	
(61) Patent of Addition to Application	-NI A	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A waterproof and vapor permeable shoe (10100200300400) particularly but not exclusively of the safety type or the like comprising an upper assembly (11211) which is composed of at least one upper (12112212312412) and a waterproof and vapor permeable functional layer (13113213313413) which is internal thereto a tread portion (15115215315415) made of waterproof material which is joined to the upper assembly (11211) below it at least one vapor permeation layer (16 116 216 316 416) provided below the foot insertion space (A) formed inside the shoe (10100200300400) to accommodate the foot of the user. At least one opening (17117217317417) is provided which is lateral with respect to the shoe (10100200300400) proximate to the region of connection of the upper assembly (11211) to the tread portion (1515215315415) the at least one opening (17117217317417) being open toward the perimetric edge (16a116a216a316a416a) of said at least one vapor permeation layer (16116216316416). The shoe (10100200300400) has interposed between said perimetric edge (16a116a216a316a416a) and the at least one opening (17117217317417) so as to prevent the access to the at least one vapor permeation layer (16116216316416) of water that arrives from the at least one opening (17117217317417) selectively at least one waterproof and vapor permeable functional element (1818418) at least one functional portion (213a313a) of the functional layer (213313). Moreover the at least one vapor permeation layer (16116216316416) is made of a vapor permeable material selected among fibrous porous or microporous materials.

No. of Pages : 42 No. of Claims : 28

(22) Date of filing of Application :31/05/2014

(21) Application No.1181/KOLNP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : SECURE PRINTABLE OFFER TEMPLATE

(51) International classification	:G06F21/00G06F3/12G06Q30/02	(71)Name of Applicant :
(31) Priority Document No	:61/565788	1)VALASSIS COMMUNICATIONS INC.
(32) Priority Date	:01/12/2011	Address of Applicant :19975 Victor Parkway Livonia Michigan
(33) Name of priority country	:U.S.A.	48152 U.S.A.
(86) International Application No	:PCT/US2012/067259	(72)Name of Inventor :
Filing Date	:30/11/2012	1)RUTT Richard
(87) International Publication No	:WO 2013/082402	2)DIGIORGIO Rinaldo
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An offer template for use in generating print at home offer documents includes a number of content layers including a canvas layer an offer layer and a reference layer. The canvas layer includes content common to several different offers. The offer layer includes offer specific content. The reference layer includes print specific content uniquely identifying each printed offer document. The offer template further includes a number of security attributes designed to reduce fraudulent activity involving distributed offers such as unauthorized copying manipulating or reproducing of print at home offers.

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

(22) Date of filing of Application :31/05/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : WIRELESS NETWORK NODE USER EQUIPMENT AND METHOD FOR TRANSMITTING AN ENHANCED CONTROL CHANNEL

(51) International classification	:H04L5/00	(71)Name of Applicant :
(31) Priority Document No	:61/555555	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
(32) Priority Date	:04/11/2011	Address of Applicant :SE 164 83 Stockholm Sweden
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/SE2012/050081	1)FRENNE Mattias
Filing Date	:27/01/2012	2)HOYMANN Christian
(87) International Publication No	:WO 2013/066231	3)FURUSKOG Johan
(61) Patent of Addition to Application Number	:NA	4)LARSSON Daniel
Filing Date	:NA	5)CHENG Jung Fu
(62) Divisional to Application Number	:NA	6)KOORAPATY Havish
Filing Date	:NA	

(57) Abstract :

A method in a network node for transmitting an enhanced Control CHannel eCCH to a user equipment in a telecommunications system. The eCCH comprises control information to the user equipment in at least one Control Channel Element CCE. The at least one CCE maps to a number of resource elements comprised in at least one enhanced resource element group. The at least one enhanced resource element group is comprised in at least one resource block in a time frequency Orthogonal Frequency Division Multiplexing OFDM grid. The network node decides to use a CCE aggregation level that is smaller than the smallest CCE aggregation level of a physical downlink control channel PDCCH for a first eCCH. The network node then modulates the first eCCH by using a higher order modulation than Quadrature Phase Shift Keying QPSK modulation when the smaller CCE aggregation level is used for the first eCCH. Then the network node maps the modulated first eCCH to the at least one enhanced resource element group of resource elements in the at least one resource block and transmits the mapped first eCCH to the user equipment. A network node a method in user equipment and a user equipment are also provided.

No. of Pages : 48 No. of Claims : 26

(22) Date of filing of Application :31/05/2014

(21) Application No.1183/KOLNP/2014 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : UNDERGROUND COAL GASIFICATION WELL LINER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:E21B43/295E21B43/243E21B43/25 :2011905369 :21/12/2011 :Australia :PCT/AU2012/001185 :28/09/2012 :WO 2013/090975 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LINC ENERGY LTD <ul> <li>Address of Applicant :GPO Box 1315 Brisbane Queensland 4001</li> </ul> </li> <li>Australia <ul> <li>(72)Name of Inventor :</li> <li>1)PERKINS Greg Martin Parry</li> <li>2)BURGER Casper Jan Hendrik</li> <li>3)CHANDRA Aman Prukash</li> </ul> </li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to compositions and methods for construction of an underground coal gasification (UCG) well liner assembly. In particular a well liner segment for use in the construction of a UCG well liner assembly for conveying product gas to a production well is disclosed. Also disclosed are a system and method for UCG product gas production.

No. of Pages : 23 No. of Claims : 20

(22) Date of filing of Application :11/06/2014

(21) Application No.1266/KOLNP/2014 A

(43) Publication Date : 16/10/2015

## (54) Title of the invention : APPARATUS AND METHOD FOR OPTICAL SWEPT SOURCE COHERENCE TOMOGRAPHY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:13/332727 :21/12/2011 :U.S.A. :PCT/EP2012/076130 :19/12/2012	2)WISWEH Henning
(87) International Publication No	:WO 2013/092697	3)JEGLORZ Tobias
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

An apparatus for optical swept source coherence tomography comprises a spectrally tuneable source for emitting coherent light and a detector for acquiring the intensity of remitted light backscattered from an object irradiated with the coherent light of the source. Further the apparatus comprises a control device which is set up to control the light source and the detector in such a way that the detector performs intensity acquisitions in accordance with a defined number of measurements while the light source is tuned the control device further being set up for the purpose of altering the measurement depth or/and the axial resolution of the tomography to alter the defined number of measurements or/and a spectral measurement bandwidth within which the detector performs the intensity acquisitions.

No. of Pages : 39 No. of Claims : 22

(22) Date of filing of Application :31/05/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : SYSTEM PUMP AND METHOD OF VACUUM GENERATION FOR APPLICATIONS TO MOTOR VEHICLES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:TO2011A001112 :05/12/2011 :Italy :PCT/IB2012/056628 :22/11/2012 :WO 2013/084100 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)VHIT S.P.A.</li> <li>Address of Applicant :Strada Vicinale Delle Sabbione 5 I 26010</li> <li>Offanengo (CR) Italy</li> <li>(72)Name of Inventor :</li> <li>1)LEIFERT Volker</li> <li>2)CADEDDU Leonardo</li> <li>3)ZARDO Guido</li> </ul>
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract :

A vacuum generation system in particular for applications to hybrid drive motor vehicles comprises a vacuum pump (10) arranged to be independently driven by either an internal combustion engine (1 1) or an electric motor (12) depending on the vacuum conditions in utilising devices (15) and the operating conditions of the internal combustion engine. A pump for use in such a system and a method of vacuum generation by using the system are also provided.

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

(22) Date of filing of Application :02/06/2014

(21) Application No.1185/KOLNP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : HOLLOW CYLINDRICAL SCREW PART AND METHOD FOR THE PRODUCTION THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:10 2011 056 601.5 :19/12/2011 :Germany :PCT/EP2012/074655 :06/12/2012 :WO 2013/092234	<ul> <li>(71)Name of Applicant :</li> <li>1)VOSS AUTOMOTIVE GMBH Address of Applicant :Leiersmühle 2 6 51688 Wipperfürth Germany</li> <li>(72)Name of Inventor :</li> <li>1)DE BEER Daniel</li> <li>2)SIEPER Günter</li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a method for producing a moulded part (1) with an annular cross section such as a screw a nut a socket part a pipe plug a pipe connector or the like wherein the moulded part (1) has a hollow cylindrical main body (2) in the inner channel (3) of which intended for receiving a plug part (4) in a sealing manner there are in series with one another in the axial direction (X X) portions (A1 A2 A3 A4 A5 A6 A7 A8 A9 AZ) with different functions to be specific for bearing a circumferential seal (5 6) for directly or indirectly securing and/or arresting the plug part (4) and/or for supporting and/or guiding the plug part (4) and wherein the main body (2) bears at least one internal thread and/or external thread (10) wherein a plasticized polymeric compound containing fibres (F) is injected through at least one injection opening of a moulding tool into a cavity of the moulding tool and after the polymeric compound has solidified the moulded part (1) is removed from the tool. In order to increase in particular the torsional strength or the tensile strength in a way that ensures a reliable process and that the production of the moulded part can be carried out in a technologically simple manner it is proposed that the injection into the cavity is performed radially from the inner channel (3) outwards in a portion (A1 A2 A3 A5 A7 A8) or in a region (14 15) of a portion (A1 A2 A3 A4 A5 A6 A7 A8 A9 AZ) that does not serve for bearing a circumferential seal (5 6) or securing and/or arresting the plug part (4).

No. of Pages : 32 No. of Claims : 21

(22) Date of filing of Application :02/06/2014

(21) Application No.1186/KOLNP/2014 A

(43) Publication Date : 16/10/2015

## (54) Title of the invention : BRASSIERE HAVING SUPERIOR VIBRATION DAMPING

<ul> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(36) International Application No</li> <li>(86) International Application No</li> <li>(87) International Publication No</li> <li>(87) International Publication No</li> <li>(87) International Publication No</li> <li>(87) International Publication Number</li> <li>(87) Internation</li></ul>	№ chome Kita ku Osaka shi
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(57) Abstract :

Provided is a brassiere that is superior in an effect of reducing swaying of the chest during exercise or in other words vibration damping. Preferably provided is a brassiere also having superior aesthetics and comfortableness. The brassiere has a specific vibration damping section and is provided with: a pair of cup sections; a connecting section that connects the front center sides of the cup sections to each other; wing sections; and shoulder strap sections of which the ends are connected to the pair of cup sections and the wing sections.

No. of Pages : 64 No. of Claims : 19

(22) Date of filing of Application :12/06/2014

(21) Application No.1268/KOLNP/2014 A

(43) Publication Date : 16/10/2015

### (54) Title of the invention : POROUS POLYMER MEMBRANE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:C08J9/28B01D69/08B01D71/34 :2011289315 :28/12/2011 :Japan :PCT/JP2012/083690	<ul> <li>(71)Name of Applicant :</li> <li>1)DAIKIN INDUSTRIES LTD.</li> <li>Address of Applicant :Umeda Center Building 4 12 Nakazaki Nishi 2</li> <li>Chome Kita Ku Osaka Shi Osaka 5308323 Japan</li> <li>(72)Name of Inventor :</li> </ul>
(87) International Publication No	:26/12/2012 :WO 2013/099966	1)SHIOTANI Yuko 2)TANAKA Yoshito
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)ITO Kengo 4)MIKI Jun
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The purpose of the present invention is to provide a porous polymer membrane which has excellent water permeability and hydrophilicity. The present invention relates to a porous polymer membrane which is characterized by being formed from a copolymer (A) that has a vinyl alcohol unit and a tetrafluoroethylene unit with the alternation rate of the vinyl alcohol unit and the tetrafluoroethylene unit being 30% or more.

No. of Pages : 46 No. of Claims : 6

(22) Date of filing of Application :02/06/2014

(43) Publication Date : 16/10/2015

## (54) Title of the invention : METHOD AND APPARATUS FOR SECURING TOUCH INPUT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:G06F21/00G06F3/041G06F3/14 :61/566113 :02/12/2011 :U.S.A. :PCT/KR2012/010285 :30/11/2012 :WO 2013/081406 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SAMSUNG ELECTRONICS CO. LTD. Address of Applicant :129 Samsung ro Yeongtong gu Suwon si Gyeonggi do 443 742 Republic of Korea</li> <li>(72)Name of Inventor :</li> <li>1)RYU Jae Min</li> <li>2)KWAG Kyung Soo</li> <li>3)LEE Jung Kyuen</li> <li>4)JUNG Kyun Gim</li> <li>5)CHOI Hyun Jin</li> </ul>
(62) Divisional to Application Number		
Filing Date	:NA	

(57) Abstract :

A method and apparatus for securing touch input are provided. The method includes rendering a first screen in a secure world; rendering a secured input screen by displaying the first screen as an overlay above the second screen.

No. of Pages : 29 No. of Claims : 27

(19) INDIA

(22) Date of filing of Application :02/06/2014

#### (43) Publication Date : 16/10/2015

## (54) Title of the invention : C.I. PIGMENT YELLOW 74 (INSOLUBLE AZO PIGMENT) AND COLORING COMPOSITION USING SAME

(31) Priority Document No:2011288(32) Priority Date:28/12/20(33) Name of priority country:Japan(86) International Application No:PCT/JP2Filing Date:19/12/20	011Address of Applicant :7 6 Nihonbashi Bakuro cho 1 chome Chuo ku Tokyo 1038383 Japan2012/082899(72)Name of Inventor :
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(57) Abstract :

Provided is a C.I. Pigment Yellow 74 which is an insoluble azo pigment and is characterized in that: the ratio  $(26.6^{\circ}/11.7^{\circ})$  of a 26.6° peak diffraction intensity to an 11.7° peak diffraction intensity in a Bragg angle  $(2\pm0.2^{\circ})$  measured by x ray powder diffraction using a CuK a ray is 0.85 1.12; and the average primary particle diameter of crystalline particles thereof is 20 130nm. As a result it is possible to provide a coloring composition that exhibits excellent dispersibility when used as a coloring agent and favorable particle diameter stability and storage stability in comparison to conventional pigments. Furthermore by using the coloring composition it is also possible to achieve image formation (recording) that exhibits excellent clarity and transparency at a high level not attainable using the prior art.

No. of Pages : 47 No. of Claims : 5

(22) Date of filing of Application :12/06/2014

(21) Application No.1272/KOLNP/2014 A

(43) Publication Date : 16/10/2015

### (54) Title of the invention : BELT HAVING A TEXTILE OVERLAY

(51) International classification	:F16G1/08F16G1/10F16G1/28	(71)Name of Applicant :
(31) Priority Document No	:10 2011 121 643.3	1)ARNTZ BETEILIGUNGS GMBH & CO. KG
(32) Priority Date	:20/12/2011	Address of Applicant :Corveyer Allee 15 37671 Höxter Germany
(33) Name of priority country	:Germany	(72)Name of Inventor :
(86) International Application No	:PCT/EP2012/005192	1)GIBSON Daniel Pattie
Filing Date	:17/12/2012	
(87) International Publication No	:WO 2013/091809	
(61) Patent of Addition to Application	.NI A	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a power transmission belt having a base of cast polyurethane (30) and a power transmission zone (3) formed thereon and comprising at least in contact with the power transmission zone (3) an abrasion proof textile overlay (1) having an inner impregnation that acts to reduce abrasion by fixing the textile fibres and constitutes a barrier coat for the polyurethane in order to prevent same from passing through the textile with the associated increase in abrasion. For the impregnation a thermoplastic material (22) having a melting point not below 80 °C is located in the interior of the textile overlay (1) in addition to the textile material and substantially completely fills the interstices between the textile threads (16) or fibres in a central plane (15) of the textile viewed across the area wherein the polyurethane (30) does not completely penetrate the base of the textile overlay (1) limited by the thermoplastic material (22). For the impregnation a copolyamide film (2) can be fused into the textile in a pre treatment step.

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

(22) Date of filing of Application :13/06/2014

(21) Application No.1273/KOLNP/2014 A

(43) Publication Date : 16/10/2015

## (54) Title of the invention : AN EXCAVATOR WEAR ASSEMBLY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:E02F9/28 :2011905123 :08/12/2011 :Australia :PCT/AU2012/001511 :10/12/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)CQMS PTY LTD Address of Applicant :36 Enterprise Street Mackay Queensland 4740 </li> <li>Australia (72)Name of Inventor : 1)WALLIS Douglas </li> </ul>
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	:WO 2013/082678 :NA :NA	2)GUIMARAES Miguel 3)LILLEY Bruce 4)KIRSCH Josua
(62) Divisional to Application Number Filing Date	:NA :NA	5)SCHUETZ Edwin

(57) Abstract :

A lock assembly to lock two members together typically an excavator wear member such as a tooth on to an adaptor. The lock assembly has a locking pin with a flange portion and a retaining assembly that receives the locking pin. The retaining assembly includes a locking member in the form of a locking ring which deforms radially when a tapered portion of the locking pin is inserted into the retaining assembly. In the locked position the locking ring engages with the flange portion of the locking pin to prevent withdrawal of the locking pin from the retaining assembly.

No. of Pages : 80 No. of Claims : 58

(19) INDIA

(22) Date of filing of Application :13/06/2014

#### (21) Application No.1274/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : METHOD OF CONTROLLING FLUID PRESSURE ACTUATED SWITCHING COMPONENT AND CONTROL SYSTEM FOR SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:F15B13/044F15B21/02F15B13/02 :61/585396 :11/01/2012 :U.S.A. :PCT/US2012/065512 :16/11/2012 :WO 2013/106131 <sup>1</sup> :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)EATON CORPORATION <ul> <li>Address of Applicant :1111 Superior Avenue Cleveland OH 44114</li> </ul> </li> <li>2584 U.S.A. <ul> <li>(72)Name of Inventor :</li> <li>1)KELLER Robert D.</li> <li>2)TURNER David</li> <li>3)DELLEVA Mark L.</li> </ul> </li> </ul>
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#### (57) Abstract :

A method includes energizing a solenoid valve of a hydraulic control system according to a predetermined timing schedule to move a valve member of the solenoid valve. The solenoid valve is operatively connected to the switching component by a fluid control passage such as a passage in an engine block to deliver pressurized fluid from a supply passage when the valve member moves to switch the switching component from a first mode to a second mode. An operating parameter of the control system is measured. The operating parameter may be a period of time over which the valve member moves or a sensed operating parameter of the fluid such as pressure or temperature. The measured parameter is then compared with a predetermined parameter. Energizing of the solenoid valve is then adjusted based on the difference.

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

(22) Date of filing of Application :26/05/2014

(21) Application No.1119/KOLNP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : DEVICE FOR INSERTING IN A MACHINE TOOL AND MACHINE TOOL

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:B66C13/12F16G13/16F16L3/00 :20 2011 108 153.6 :21/11/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)DECKEL MAHO PFRONTEN GMBH</li> <li>Address of Applicant :Deckel Maho Straße 1 87459 Pfronten</li> </ul>
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2012/073134	(72)Name of Inventor :
Filing Date	:20/11/2012	1)JUNG Robert
(87) International Publication No	:WO 2013/076097	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	
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(57) Abstract :

The invention relates to a device (5) for inserting in a machine tool (1) having: a first unit (9); a second unit (10) which is connected to the first unit (9) said first unit (9) being rotatable relative to the second unit (10) about a rotational axis (D); a motor spindle (6) which is connected to the second unit (10); a line feedthrough (15) which extends from the first unit (9) into the second unit (10) along the rotational axis (D); lines (16) which run out of the interior of the first unit (9) through the line feedthrough (15) and through the second unit (10) into the motor spindle (6); and a line guiding device (17) which is formed in the first unit (9) and which is used to guide a line (16) section that is arranged in the first unit (9) directly in front of the line feedthrough (15). The line guiding device (15) is formed on a plane which is oriented perpendicular to the rotational axis (D) and the line guiding device (17) adjusts the lines (16) when the second unit (10) is rotated relative to the first unit (9) such that a twisting of the lines (16) in the region of the line feedthrough (15) is prevented or reduced said twisting being caused by the rotation.

No. of Pages : 24 No. of Claims : 11

(22) Date of filing of Application :26/05/2014

(21) Application No.1120/KOLNP/2014 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : ENERGY GENERATING UNIT

(51) International classification	:E02B8/08E02B9/00	(71)Name of Applicant :
(31) Priority Document No	:10 2011 088 014.3	1)KSB AKTIENGESELLSCHAFT
(32) Priority Date	:08/12/2011	Address of Applicant : Johann Klein Straße 9 67227 Frankenthal
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2012/073062	(72)Name of Inventor :
Filing Date	:20/11/2012	1)KELLER Christoph
(87) International Publication No	:WO 2013/083396	2)ULRICH Traugott
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to an energy generating unit for generating electric energy from water power. At least one turbine system is installed in a conventional standard container said turbine system being arranged in a channel which runs in the standard container. The channel is arranged in the flow direction of a surrounding body of water. A fishway is provided on or in the standard container.

No. of Pages : 15 No. of Claims : 10

(22) Date of filing of Application :03/06/2014

(43) Publication Date : 16/10/2015

## (54) Title of the invention : METHODS AND ARRANGEMENT FOR HANDLING A DATA TRANSFERRAL IN A CELLULAR NETWORK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:H04W36/18H04W36/30 :NA :NA :NA :PCT/SE2011/051344 :10/11/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) Address of Applicant :S 164 83 Stockholm Sweden</li> <li>(72)Name of Inventor :</li> <li>1)MÜLLER Walter</li> <li>2)XUAN Zhiyi</li> </ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:WO 2013/070127 :NA :NA :NA	
Filing Date	:NA	

(57) Abstract :

A method in a first base station (105) for handling a data transferral in a cellular network (100) is provided. The first base station (105) serves a user equipment (125) via a first cell (115). When the first base station (105) obtains an indication that a second cell (120) provides a coverage for the user equipment (125) the first base station (105) sends a message to a second base station (110) serving the second cell (120). The message commands the second base station (110) to prepare for receiving the uplink data from the user equipment (125) via the second cell (120). The first base station (105) also sends a request to the user equipment (125). The request commands the user equipment (125) to prepare for sending the uplink data both via the first cell (115) and via the second cell (120) in respective separate intra frequency transmissions.

No. of Pages : 52 No. of Claims : 42

(19) INDIA

(22) Date of filing of Application :13/06/2014

#### (43) Publication Date : 16/10/2015

### (54) Title of the invention : METHOD DEVICE AND NESTING SYSTEM FOR ALLOCATING UPLINK AND DOWNLINK BANDWIDTH

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:H04B10/25H04B10/272H04Q11/00 :201210050112.9 :29/02/2012 :China :PCT/CN2012/083370 :23/10/2012 :WO 2013/127184	<ul> <li>(71)Name of Applicant :</li> <li>1)HUAWEI TECHNOLOGIES CO. LTD. Address of Applicant :Huawei Administration Building Bantian Longgang Shenzhen Guangdong 518129 China</li> <li>(72)Name of Inventor :</li> <li>1)ZHENG Ruobin</li> <li>2)CHEN Xue</li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)HU Xintian
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Disclosed are a method device and nesting system for allocating uplink and downlink bandwidth which belongs to the technical field of optical network. The method comprises: a primary ONU receives the primary PON downlink frame which carries the primary ONU uplink bandwidth grant and the secondary ONU uplink bandwidth grant from nesting OLT; the primary ONU parses the primary PON downlink frame to obtain the primary ONU uplink bandwidth grant and the secondary ONU uplink bandwidth grant; the primary ONU sends to the secondary ONU the secondary PON downlink frame which carries the obtained secondary ONU uplink bandwidth grant. The present invention makes overall plans for two level PON situation to achieve the best for two level PON overall performance and while making the bandwidth grant taking into account the maximum available bandwidth of two level PON.

No. of Pages : 89 No. of Claims : 18

(22) Date of filing of Application :04/06/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : METHOD FOR REMOVING AND/OR INSTALLING A TURBINE BEARING AND A DEVICE FOR CARRYING OUT THE METHOD

(51) International classification	:F01D25/28B25B27/06	(71)Name of Applicant :
(31) Priority Document No	:11010310.8	1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date	:30/12/2011	Address of Applicant :Wittelsbacherplatz 2 80333 München Germany
(33) Name of priority country	:EPO	(72)Name of Inventor :
(86) International Application No	:PCT/EP2012/073905	1)MÜLLER Dirk
Filing Date	:29/11/2012	
(87) International Publication No	:WO 2013/098028	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method and a device (30) for carrying out the method for removing a turbine bearing (26) or a bearing segment of a preferably stationary turbo engine having a housing that may preferably be split in half while the housing is closed comprising the following steps: supporting the rotor (12) to relieve the turbine bearing (26) of the weight of the rotor (12) fastening a support plate (34) to a turbine bearing housing (10) attaching two parallel rail like supports (36) to the support plate (34) and fastening a cross beam (40) to ends (38) of supports (36) fastening a counter bearing plate (43) having at least two push/pull rods (46) to the turbine bearing housing (10) and fastening the push/pull rods (46) to the turbine bearing (26) from the turbine bearing housing (10) and pulling the turbine bearing (26) located in the operating position thereof out of the turbine bearing housing (10) with the aid of the push/pull rods (46). The suggested solution can help to reduce downtimes of stationary turbo engines.

No. of Pages : 29 No. of Claims : 11

(22) Date of filing of Application :04/06/2014

(21) Application No.1205/KOLNP/2014 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : DEVICE FOR MEASURING ELECTRICAL CURRENT AND METHOD OF MANUFACTURING THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:H01F27/28 :61/591402 :27/01/2012 :U.S.A. :PCT/US2012/041002 :06/06/2012 :WO 2013/112190 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SCHWEITZER ENGINEERING LABORATORIES INC. Address of Applicant :2350 NE Hopkins Court Pullman WA 99163 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)KESLER James R.</li> <li>2)SKENDZIC Veselin</li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)SKENDZIC Veseiin
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Disclosed herein are embodiments of devices for measuring electrical current and related systems and methods for forming and using such devices. According to certain embodiments devices according to the present disclosure may comprise Rogowski coils. Also disclosed are systems and methods for forming a current measuring device using a bobbin that may allow for the use of a continuous length of wire for all windings associated with the current measuring device. Automated manufacturing techniques may be utilized to facilitate the manufacture of devices for measuring electrical current and/or may reduce the cost of such devices. Various embodiments disclosed herein include the use of a bobbin that may be selectively configured between a linear configuration and a closed configuration. One or more current sensors disclosed herein may be utilized in connection with a motor management relay or other type of intelligent electronic device.

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

(19) INDIA

(22) Date of filing of Application :04/06/2014

#### (21) Application No.1206/KOLNP/2014 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : IMPROVEMENTS IN OR RELATING TO MULTI CURRENCY PRICING AND NETWORK TRANSACTION SERVICES

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:G06Q40/04G06Q30/00G06Q20/00 :596346 :10/11/2011 :New Zealand	1)PURE COMMERCE PTY LIMITED Address of Applicant :Level 13 309 Pitt Street Sydney New South Wales 2000 Australia
(86) International Application No	:PCT/IB2012/002292	(72)Name of Inventor :
Filing Date	:12/11/2012	1)SHARMA Sunil
(87) International Publication No	:WO 2013/068827	
(61) Patent of Addition to Application	<sup>n</sup> :NA	
Number	:NA	
Filing Date		
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date		

(57) Abstract :

A method of multi currency pricing over a network comprising or including the steps of providing information to a first computer device in a first geographic location connected to said network obtaining identifying data of said first computer device detecting said first geographic location of said first computer device from said identifying data choosing a first currency based on said first geographic location calculating an equivalent in said first currency to at least one price in said information wherein said information provided to said first computer device is in said first currency which is the local currency of said first geographic location.

No. of Pages : 31 No. of Claims : 42

(19) INDIA

OBTAINED

(22) Date of filing of Application :16/06/2014

#### (21) Application No.1291/KOLNP/2014 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : PROCESS FOR MANUFACTURING A THIN STRIP MADE OF SOFT MAGNETIC ALLOY AND STRIP

(51) International classification	:C22C19/07C22C30/00C22F1/16	(71)Name of Applicant :
(31) Priority Document No	:PCT/FR2011/053037	1)APERAM
(32) Priority Date	:16/12/2011	Address of Applicant :12C rue Guillaume Kroll L 1882 Luxembourg
(33) Name of priority country	:France	Luxembourg
(86) International Application No	:PCT/EP2012/075851	(72)Name of Inventor :
Filing Date	:17/12/2012	1)WAECKERLE Thierry
(87) International Publication No	:WO 2013/087939	2)BATONNET Rémy
(61) Patent of Addition to Application	.N. A	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Process for manufacturing a strip made of soft magnetic alloy capable of being cut mechanically the chemical composition of which comprises by weight: 18% = Co = 55%; 0% = V + W = 3%; 0% = Cr = 3%; 0% = Si = 3%; 0% = Nb = 0.5%; 0% = B = 0.05%; 0% = C = 0.1%; 0% = Zr + Ta = 0.5%; 0% = Ni = 5%; 0% = Mn = 2% the remainder being iron and impurities resulting from this melting according to which a strip obtained by hot rolling is cold rolled in order to obtain a cold rolled strip having a thickness of less than 0.6 mm. After the cold rolling a continuous annealing treatment is carried out by passing through a continuous furnace at a temperature between the order/disorder transition temperature of the alloy and the ferritic/austenitic transformation start temperature of the alloy followed by a rapid cooling to a temperature below 200°C. Strip obtained.

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

(22) Date of filing of Application :27/05/2014

(21) Application No.1135/KOLNP/2014 A

(43) Publication Date : 16/10/2015

### (54) Title of the invention : DEVICE FOR FORMING PACKAGING UNITS

(51) International classification	:B65B21/06B65B17/02B65B35/46	(71)Name of Applicant :
(31) Priority Document No	:10 2011 119 970.9	1)KHS GMBH
(32) Priority Date	:02/12/2011	Address of Applicant :Juchostrasse 20 44143 Dortmund Germany
(33) Name of priority country	:Germany	(72)Name of Inventor :
(86) International Application No	:PCT/EP2012/004966	1)NITSCH Thomas
Filing Date	:30/11/2012	2)STUHLMANN Christopher
(87) International Publication No	:WO 2013/079220	3)VAN WICKEREN Ernst
(61) Patent of Addition to Application	':NA	4)WAGNER Stefan
Number	:NA	5)ZAHN Volker
Filing Date	.NA	
(62) Divisional to Application Numbe	r:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a device (1) for producing bundles (2) wherein containers (3) are converted from a wide container stream into a plurality of single track container streams (4.1 and 4.2) by means of lane division comprising a single or multiple track container feed or a single or multiple track container stream (4.1 and 4.2) at least one primary star (12) rotating around a central axis of a star transporter (5) having at least one application element (8) in the region of the star transporter (5) by means of which at least one adhesive agent and/or at least one adhesive application can be applied to or on the container (3). At least one star transporter (5) is provided for each of the container streams (4.1 and 4.2) wherein the respective main star (12) of the respective star transporter (5) has a plurality of base guides (6) and/or head guides (7) for containers (3) and wherein there is a partitioning and/or compressing section (22) directly after the main star (12) or a diverting device (13) for grouping and compressing and temporarily pressing a predetermined number of containers (3) by means of which the containers (3) are combined into the bundle downstream of the star transporter (5) and transported further.

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

(22) Date of filing of Application :27/05/2014

(21) Application No.1136/KOLNP/2014 A

(43) Publication Date : 16/10/2015

## (54) Title of the invention : FUEL TANK VENT VALVE ASSEMBLY AND METHOD OF ASSEMBLY

(51) International classification	:B60K15/035F16K24/00	(71)Name of Applicant :
(31) Priority Document No	:13/334519	1)EATON CORPORATION
(32) Priority Date	:22/12/2011	Address of Applicant :1111 Superior Avenue Cleveland OH 44114
(33) Name of priority country	:U.S.A.	2584 U.S.A.
(86) International Application No	:PCT/US2012/070078	(72)Name of Inventor :
Filing Date	:17/12/2012	1)PIFER Daniel Lee
(87) International Publication No	:WO 2013/096190	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A vent valve assembly (10 110 210 310) includes a first housing component (20120220320) a second housing component (22122222322) and a third housing component (24124224324) as well as a first valve (12112212312) and a second valve (14114214314). The first second and third housing components are configured to assemble together along one directional axis (E) with the second housing component the first valve and the second valve between the first and third housing components and with the second valve laterally spaced from the first valve. The assembled first second and third housing components define a nonlinear vapor flow path (A B C) that redirects vapor from the first valve to the second valve thereby reducing an overall height of the vent valve assembly.

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

#### (19) INDIA

(22) Date of filing of Application :05/06/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : IMPROVED TIME TO FIRST FIX TTFF SENSITIVITY AND ACCURACY FOR A GLOBAL NAVIGATION SATELLITE SYSTEM POSITIONING DEVICE

Filing Date (87) International Publication No	:G01S19/34G01S19/25 :NA :NA :NA :PCT/EP2011/070042 :14/11/2011 :WO 2013/071944 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)TELEFONAKTIEBOLAGET L M ERICSSON (publ) Address of Applicant :S 164 83 Stockholm Sweden</li> <li>(72)Name of Inventor :</li> <li>1)ELFSTRÖM Torbjörn</li> <li>2)PERSSON Lars</li> </ul>
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(57) Abstract :

The present invention relates to a method for improving Time To First Fix TTFF sensitivity and accuracy wherein a Global Navigation Satellite System GNSS positioning device (15) communicates with a Core Service (11) in a User Equipment (16) U the GNSS positioning device acquires (23) GNSS satellite signals and navigation data and based on said signals/data determines a position within TTFF the Core Service detects (24) user data indicating specific user behaviours and initiates said determination of position based on said user data. The present invention also relates to a Core Service a Global Navigation Satellite System GNSS positioning device a Radio Module and a User Equipment UE adapted for the same purpose.

No. of Pages : 17 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :18/06/2014

(43) Publication Date : 16/10/2015

## (54) Title of the invention : HIGH CARBON HOT ROLLED STEEL SHEET AND METHOD FOR PRODUCING SAME

(51) International classification	:C22C38/00B21B3/00C21D9/46	(71)Name of Applicant :
(31) Priority Document No	:2012000913	1)JFE STEEL CORPORATION
(32) Priority Date	:06/01/2012	Address of Applicant :2 3 Uchisaiwai cho 2 chome Chiyoda ku Tokyo
(33) Name of priority country	:Japan	1000011 Japan
(86) International Application No	:PCT/JP2012/008319	(72)Name of Inventor :
Filing Date	:26/12/2012	1)NAKAMURA Nobuyuki
(87) International Publication No	:WO 2013/102987	2)KOBAYASHI Takashi
(61) Patent of Addition to Application	:NA	3)FUNAKAWA Yoshimasa
Number	:NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A high carbon hot rolled steel sheet containing by mass  $0.20\ 0.48\%$  C at most 0.1% Si at most 0.5% Mn at most 0.03% P at most 0.01% S  $0.1\ 0.6\%$ Al  $0.05\ 0.5\%$  Cr  $0.0005\ 0.0050\%$  B and  $0.0010\ 0.0050\%$  Ca the average amount of N in a surface layer section at a distance of 0.1mm from the surface in the thickness direction of the sheet being at least 0.1% and the average amount of N at the center in the thickness direction being at most 0.01% the remainder having a component composition comprising Fe and unavoidable impurities; and having a microstructure comprising a ferrite phase and a carbide the average particle size of the ferrite phase being  $10\ 20\mu$ m and the spheroidization rate of the carbide being at least 90%.

No. of Pages : 25 No. of Claims : 4

(22) Date of filing of Application :04/06/2014

(21) Application No.1209/KOLNP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : PROCESS OF PURIFICATION OF TEICOPLANIN

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C07K9/00C07K1/36A61K38/14 :11188759.2 :11/11/2011	1)LEK PHARMACEUTICALS D.D. Address of Applicant :Verovskova 57 1526 Ljubljana Slovenia
<ul> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:EPO :PCT/EP2012/072279 :09/11/2012 :WO 2013/068538	(72)Name of Inventor : 1)ANDRENSEK Samo 2)SENICA David
<ul> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA	
Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a process for purification of teicoplanin in particular to a process for an efficient removal of impurities by means of adsorption of particular dissolved components from the filtrate of fermentation broth of Actinoplanes teichomyceticus culture on commercial hydrophobic or slightly polar adsorbent resins with further selective elution of the product from the resin. According to the invention the process involves the use of a mixture of a watermiscible organic solvent in an aqueous solution at various steps of the purification process such as in the above mentioned elution step and/or in an ultrafiltration step on membranes with a cut off of 3 100kDa. The process further involves treating a teicoplanin solution with charcoal e.g. after elution and before ultrafiltration. Preferably the water miscible organic solvent is selected from the group consisting of C C alcohols C C ketones or C C nitrites.

No. of Pages : 45 No. of Claims : 15

(22) Date of filing of Application :17/06/2014

(21) Application No.1295/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : A SUPPORT MEMBER USED IN STRUCTURE MEMBERS

(32) Priority Date:12/12/2011(33) Name of priority country:Turkey(86) International Application No:PCT/EP2012/073058	<ul> <li>(71)Name of Applicant :</li> <li>1)RENCO WORLD CORPORATION Address of Applicant :1001 Nw 163rd Drive Miami Fl 33169 USA</li> <li>Miami U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)CETINDAG Sedat</li> </ul>
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(57) Abstract :

The present invention relates to a support member (2030) which is in connection to a structure member (10) comprising a body (11) made of composite material and space parts (16) defined inside said body (11) characterized by comprising a body (2231) which is placed into said space part (16) and which is made of composite material comprising at least one type of fiber and at least one type of resin; and channels (2432) embodied along the length of the body (2231) according to a determined placement plan so as to change the movement orbit of ballistic pieces in order to dispense and thereby eliminate the pressure applied on the wall brick (10).

No. of Pages : 14 No. of Claims : 16

(22) Date of filing of Application :17/06/2014

(21) Application No.1296/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : STACKABLE OPEN TOPPED BOX WITH INDENTED SIDE EDGES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:B65D5/22B65D5/20B65D5/00 :2011/08463 :18/11/2011 :South Africa :PCT/IB2012/056453 :15/11/2012 :WO 2013/072869	<ul> <li>(71)Name of Applicant :</li> <li>1)DE BEER Stephanus Petrus Address of Applicant :10 Wagner Street Sonstraal Hoogte Durbanville 7551 Cape Town South Africa</li> <li>(72)Name of Inventor :</li> <li>1)DE BEER Stephanus Petrus</li> </ul>
<ul> <li>(67) International Fublication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA	

(57) Abstract :

A stackable open topped box (1) and a blank from which it is folded are provided in which a fluted sheet material is cut and sulcated to form a box. The flutes extend parallel to the side walls (2) of the box and up the height of the end walls (3). Each side wall (2) has an indent (6) whereof the ends terminate in a diagonal fold (7) inclined upwardly and towards the adjacent end of the box at an angle of  $45^{\circ}$ . The fluted sheet m6aterial originally adjacent the edge of the indent (6) is folded inwards and downwards as a composite flap such that the flutes of the fluted material are generally vertical and the material extends to substantially the bottom (4) of the box. A strip (8) that is approximately beneath the diagonal fold (7) is flush with the inside of the side wall (2) of the box (1).

No. of Pages : 29 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :18/06/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : HIGH CARBON HOT ROLLED STEEL SHEET AND METHOD FOR PRODUCING SAME

(51) International classification	:C22C38/00C21D9/46C22C38/06	(71)Name of Applicant :
(31) Priority Document No	:2012000407	1)JFE STEEL CORPORATION
(32) Priority Date	:05/01/2012	Address of Applicant :2 3 Uchisaiwai cho 2 chome Chiyoda ku Tokyo
(33) Name of priority country	:Japan	1000011 Japan
(86) International Application No	:PCT/JP2012/008318	(72)Name of Inventor :
Filing Date	:26/12/2012	1)NAKAMURA Nobuyuki
(87) International Publication No	:WO 2013/102986	2)KOBAYASHI Takashi
(61) Patent of Addition to Application	:NA	3)FUNAKAWA Yoshimasa
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is a high carbon hot rolled steel sheet possessing stable excellent cold workability and hardenability; and a method for producing the same. The high carbon hot rolled steel sheet contains by mass  $0.20 \ 0.48\%$  C at most 0.1% S i at most 0.5% Mn at most 0.03% P at most 0.01% S more than 0.10% to 1.0% sol.Al at most 0.005% N and  $0.0005 \ 0.0050\%$  B the remainder having a composition comprising Fe and unavoidable impurities; and has a microstructure comprising ferrite and cementite the average particle size of the ferrite being 10  $20\mu$ m and the spheroidization rate of the cementite being no less than 90%.

No. of Pages : 24 No. of Claims : 5

(22) Date of filing of Application :05/06/2014

(21) Application No.1217/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : TEST DEVICE FOR CALIBRATING A LASER DEVICE

(57) Abstract :

A test device to calibrate the pulse energy of a laser device (12) which provides pulsed laser radiation includes a measuring head (20) with multiple measuring probes (30). The test device is used in such a way that by means of the laser radiation multiple test ablations are made on a test surface (at 28) in an arrangement corresponding to the relative spatial arrangement of the measuring probes and the depths of the test ablations are then measured with simultaneous use of the multiple measuring probes of the measuring head.

No. of Pages : 25 No. of Claims : 14

(22) Date of filing of Application :05/06/2014

(21) Application No.1218/KOLNP/2014 A

# (43) Publication Date : 16/10/2015

(54) Title of the invention : PISTON AND CONN	NECTING ROD ASSEM	BLY
<ul> <li>(54) Title of the invention : PISTON AND CONF</li> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:F02F3/02 :11510724 :11/11/2011 :Sweden :PCT/SE2012/050945 :07/09/2012 :WO 2013/070142 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)NYBERG Peter</li> <li>Address of Applicant :Viksö 518 SE 781 94 Borlänge Sweden</li> <li>(72)Name of Inventor :</li> </ul>
Filing Date	:NA	

(57) Abstract :

In an assembly (1) for a combustion engine consisting of a piston (2) and a connecting rod (17) the piston includes a piston crown (3) a piston skirt (4) and portions (10 14) for accommodating a piston pin (6) through which the piston is intended to be supported on the connecting rod. The piston skirt has a completely closed bottom part (15) and in its portion for accommodating the piston pin has apertures (16) sealing against the piston pin but otherwise completely encloses a bottom part (12) of the piston crown as well as the piston crown portion (10) for accommodating the piston pin. The connecting rod further has a fork shape in its end (19) facing the piston. A piston and a connecting rod respectively for use in such an assembly are likewise provided.

No. of Pages : 16 No. of Claims : 10

(22) Date of filing of Application :05/06/2014

(21) Application No.1219/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : TUBE END FORMING METHOD

(51) International classification	:B21D19/10B21D41/02	(71)Name of Applicant :
(31) Priority Document No	:2011248871	1)FUTABA INDUSTRIAL CO. LTD.
(32) Priority Date	:14/11/2011	Address of Applicant :1 Aza ochaya Hashime cho Okazaki shi Aichi
(33) Name of priority country	:Japan	4448558 Japan
(86) International Application No	:PCT/JP2012/079540	(72)Name of Inventor :
Filing Date	:14/11/2012	1)TANAKA Yoshiki
(87) International Publication No	:WO 2013/073588	2)ARISAWA Naotaka
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method for forming one end of an element tube so as to have a double structure or an enlarged configuration comprises: shrinking the tube to form a tapered portion and a small diameter tube portion at the one end of the element tube; preparing a maintenance mold which comprises an element tube hole and an enlarged tube hole; and expanding the tube which comprises a first step in which the element tube is mounted on the element tube hole of the maintenance mold a second step in which the small diameter tube portion is folded toward an inner side of the element tube having the tapered portion as a starting point and a third step in which the folded portion is pressed and spread toward an inner wall of the enlarged tube hole. When the tube is shrunk the small diameter tube portion may have a shape other than a tapered shape to facilitate the formation. When the tube is expanded the small diameter tube portion is folded to have the double structure and the double structure may be enlarged in order to reduce the number of processes for the formation.

No. of Pages : 30 No. of Claims : 5

(22) Date of filing of Application :19/06/2014

(21) Application No.1305/KOLNP/2014 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : PROCESS FOR THE MANUFACTURE OF A MESOPOROUS PRODUCT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B28B1/00C04B35/053C04B35/111 :1162378 :23/12/2011 :France :PCT/IB2012/057560 :20/12/2012 :WO 2013/093853 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SAINT GOBAIN CENTRE DE RECHERCHES ET DETUDES EUROPEEN <ul> <li>Address of Applicant :Les Miroirs 18 avenue dAlsace F 92400</li> </ul> </li> <li>Courbevoie France <ul> <li>(72)Name of Inventor :</li> <li>1)KLOTZ Michaela</li> <li>2)AMIROUCHE Idris</li> <li>3)DEVILLE Sylvain</li> <li>4)GUIZARD Christian Gilbert</li> </ul> </li> </ul>
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(57) Abstract :

Process for the manufacture of a mesoporous product comprising the following successive steps: a) preparation of a slip comprising: a solvent an additive more than 4% as percentage by volume based on the slip of a powder formed of ceramic particles b) oriented freezing of the slip so as to form a block comprising ice crystals separated by walls c) removal of the ice crystals from said frozen slip block optionally removed from the mold so as to obtain a porous preform d) removal of the additive so as to obtain a preformed mesoporous product the additive and the amount of additive being chosen so that the additive is present in a mesopore forming micellar phase in said walls more than 25% by volume of said ceramic particles exhibiting a size less than twice the size of the micelles of said mesopore forming micellar phase.

No. of Pages : 63 No. of Claims : 30

(22) Date of filing of Application :27/05/2014

(21) Application No.1139/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : METHOD FOR IDENTIFYING MICROORGANISMS VIA MASS SPECTROMETRY AND SCORE NORMALISATION

(51) International classification	:G06K9/00G06K9/62	(71)Name of Applicant :
(31) Priority Document No	:11306609.6	1)BIOMÉRIEUX INC.
(32) Priority Date	:02/12/2011	Address of Applicant :100 Rodolphe Street Durham North Carolina
(33) Name of priority country	:EPO	27712 U.S.A.
(86) International Application No	:PCT/IB2012/056859	(72)Name of Inventor :
Filing Date	:30/11/2012	1)STRUBEL Grégory
(87) International Publication No	:WO 2013/080169	2)ARSAC Maud
(61) Patent of Addition to Application Number	:NA	3)DESSEREE Denis
Filing Date	:NA	4)COTTE PATTAT Pierre Jean
(62) Divisional to Application Number	:NA	5)MAHE Pierre
Filing Date	:NA	

(57) Abstract :

 $f(m)m|\mu$  spThe invention relates to an identification via mass spectrometry of a microorganism amongst reference microorganisms represented by reference data sets said identification comprising: | the determination of a data set for the microorganism according to a spectrum; | for each reference microorganism the calculation of a distance between the determined and reference data sets; and | the calculation of a probability according to the relationship: (I) where: | m is the distance calculated for the reference microorganism; | () is the value for m of a random variable modelling the distance between a reference microorganism when the microorganism is the reference microorganism; | (II) is the value for m of a random variable modelling the distance between a microorganism to be identified and the reference between a microorganism to be identified and the reference microorganism.

No. of Pages : 38 No. of Claims : 16

(22) Date of filing of Application :05/06/2014

(21) Application No.1220/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : WELDING CONNECTION STRUCTURE FOR PIPE

(51) International classification	:F16L13/02F01N13/08	(71)Name of Applicant :
(31) Priority Document No	:2011248872	1)FUTABA INDUSTRIAL CO. LTD.
(32) Priority Date	:14/11/2011	Address of Applicant :1 Aza ochaya Hashime cho Okazaki shi Aichi
(33) Name of priority country	:Japan	4448558 Japan
(86) International Application No	:PCT/JP2012/079541	(72)Name of Inventor :
Filing Date	:14/11/2012	1)TANAKA Yoshiki
(87) International Publication No	:WO 2013/073589	2)ARISAWA Naotaka
(61) Patent of Addition to Application Number	:NA	3)TAKEMOTO Naohiro
Filing Date	:NA	4)MORII Hideyuki
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is a welding connection structure for a pipe characterized in that the pipe includes a double pipe section on at least one end. Said double pipe section is formed by folding the pipe wall at the aforementioned one end of the pipe back and inwards and the folded back portion is in close contact with wall of the outer pipe. At the double pipe section the pipe is connected by welding to the mating member to which the pipe is to be connected.

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

(19) INDIA

(22) Date of filing of Application :06/06/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR COLOR PREPARATION AND MANAGEMENT

(51) International classification	:A45D44/00A45D19/00G01N33/00	(71)Name of Applicant :
(31) Priority Document No	:61/557611	1)SURETINT TECHNOLOGIES LLC
(32) Priority Date	:09/11/2011	Address of Applicant :411 Business Center Drive Suite 104 Mount
(33) Name of priority country	:U.S.A.	Prospect Illinois 60056 U.S.A.
(86) International Application No	:PCT/US2012/064420	(72)Name of Inventor :
Filing Date	:09/11/2012	1)SARANOW Mitchell H.
(87) International Publication No	:WO 2013/071084	2)BARAN Mark
(61) Patent of Addition to Application	Dn.NA	3)WRIGHT Michael
Number	:NA	4)RYGIEL Joe
Filing Date	.NA	5)CREED Danny S.
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	.NA	

(57) Abstract :

In one embodiment there is provided a method for preparing a hair dye mixture. The method includes a scale and control system in communication with each other. The control system provides for a memory and a display wherein the memory contains a formula that defines instructions for blending a hair dye mixture. The method displays the instructions on the display. The stylist may then view the display of instructions and add colorant(s) and dye blending material(s) to a receptacle on the scale in accordance with the instructions using current product packaging such that specialized packaging requirements are not required.

No. of Pages : 159 No. of Claims : 36

#### (19) INDIA

(22) Date of filing of Application :18/06/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : METHODS AND APPARATUSES FOR DETERMINING A USER IDENTITY TOKEN FOR IDENTIFYING USER OF A COMMUNICATION NETWORK

(51) International classification	:H04W12/02H04L29/12	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
(32) Priority Date	:NA	Address of Applicant :S 164 83 Stockholm Sweden
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:PCT/EP2011/074022	1)LUDWIG Reiner
Filing Date	:23/12/2011	2)FERNANDEZ ALONSO Susana
(87) International Publication No	:WO 2013/091735	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

User identify token for identifying a user of a communication network A first node (13) e.g. a policy controller of a communication network receives a request (101) from a second node (15) e.g. an application server for providing a service in the communication network. The request (101) includes a transport address assigned to a user of the communication network. Further the first node (13) accesses mapping data (31) relating the transport address to a subscription identity of the user and determines a user identity token which is mapped to the subscription identity of the user and masks the subscription identity. The first node (13) then sends a response to the second node (15). The response (102) includes the user identity token.

No. of Pages : 34 No. of Claims : 22

(22) Date of filing of Application :18/06/2014

(21) Application No.1303/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : VALVE DEVICE

(51) International classification	:F16K15/03	(71)Name of Applicant :
(31) Priority Document No	:2011270027	1)NIFCO INC.
(32) Priority Date	:09/12/2011	Address of Applicant :184 1 Maioka cho Totsuka ku Yokohama shi
(33) Name of priority country	:Japan	Kanagawa 2448522 Japan
(86) International Application No	:PCT/JP2012/081826	(72)Name of Inventor :
Filing Date	:07/12/2012	1)HORIKAWA Junpei
(87) International Publication No	:WO 2013/085044	2)ISHIZAKA Taiichi
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		1

(57) Abstract :

The present invention has: a base equipped with a part for attaching to a pipe and a shaft part; and a valve body which has a bearing part for the shaft part and is assembled with the base so as to be capable of rotating and is equipped with a lid part that in a position prior to being rotated blocks one end of the pipe. The base is equipped with a guide part that makes sliding contact with a sliding contact part of the valve body and cooperates with the shaft part to regulate the rotation of the valve body.

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

(22) Date of filing of Application :28/05/2014

(21) Application No.1148/KOLNP/2014 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : ADJUSTABLE HOLDING DEVICE FOR SENSORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G01S13/93G01S7/40B60Q1/068 :102011119392.1 :24/11/2011 :Germany :PCT/EP2012/073119 :20/11/2012 :WO 2013/076084 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)KNORR BREMSE SYSTEME FÜR NUTZFAHRZEUGE</li> <li>GMBH <ul> <li>Address of Applicant :Moosacher Str. 80 80809 München Germany</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)GOLD Matthias</li> <li>2)ROSSI Mark</li> </ul> </li> </ul>
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(57) Abstract :

The invention relates to an adjustable holding device (1) for sensors comprising a main body (4) on and opposite of which a support body (6) is adjustably held supporting at least one sensor (2) by means of at least one spherical joint (8a 8b 8c). The invention provides that the spherical joint (8a 8b 8c) comprises a threaded stud (12) which is fixed to the main body (4) and protrudes through a through hole (10) in the support body (6) with which an opening (14) is screwed together with a body (16) with a spherical outer surface (18) which is pivotable in complementarily spherical inner surfaces (20a 20b) of two combined half shells (22a 22b) on the one hand and is retained on the other hand together with the half shells (22a 22b) co rotatably about an axis of rotation (24) coaxial with the threaded stud (12) about which the half shells (22a 22b) are rotatably received in the through hole (10) of the support body (6) in such a manner that by a rotation of the at least rotationally coupled half shells (22a 22b) under external force relative to the through hole (10) the body (16) with the spherical outer surface (18) can be screwed in relative to the threaded stud (12) by displacing the half shells (22a 22b) and the support body (6) in the direction of the threaded stud (12).

No. of Pages : 19 No. of Claims : 13

(22) Date of filing of Application :20/06/2014

(21) Application No.1316/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : DEVICE AND METHOD FOR REFORMING NATURAL GAS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:C01B3/38B01J8/02B01J8/06 :11194439.3 :20/12/2011 :EPO :PCT/EP2012/075961 :18/12/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)TETZLAFF Karl Heinz</li> <li>Address of Applicant :Mörikestr. 6 65779 Kelkheim Germany</li> <li>(72)Name of Inventor :</li> <li>1)TETZLAFF Karl Heinz</li> </ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(2) Distance of the Application Number</li> </ul>	:WO 2013/092593 :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a device for catalytically converting gaseous hydrocarbons into synthesis gas using oxygen. According to the invention in order to improve the device the catalyst chamber (6 6a 6b 6c) containing gas and catalyst particles is separated from the oxygen chamber (4a) containing oxygen by a gas permeable wall (11).

No. of Pages : 23 No. of Claims : 12

(22) Date of filing of Application :20/06/2014

(21) Application No.1317/KOLNP/2014 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : ULTRASOUND LEVEL TRANSMITTER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:G01F23/296 :10 2012 200 118.2 :05/01/2012 :Germany :PCT/EP2012/076519 :20/12/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)CONTINENTAL AUTOMOTIVE GMBH Address of Applicant :Vahrenwalder Straße 9 30165 Hannover Germany</li> <li>(72)Name of Inventor :</li> <li>1)KUEHNEL Frank</li> </ul>
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	:WO 2013/102581 :NA	2)PFEIFFER Karl Friedrich 3)ROTH Manfred
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract :

The invention relates to a level transmitter (6) consisting of a sound carrying tube (8) and a level sensor with an ultrasound transceiver (5) and sensor electronics (4). The ultrasound transceiver (5) is arranged in a housing (1) consisting of a ceramic substrate (3) and a metal cover (2) soldered to the substrate (3) wherein the ultrasound transceiver (5) is connected to the substrate (3) with at least the sound emitting region.

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

(22) Date of filing of Application :20/06/2014

(21) Application No.1318/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : CUTTING TOOL AND CUTTING INSERT THERFOR

# (57) Abstract :

An indexable cutting insert has opposing rhombus shaped upper and lower surfaces and a peripheral side surface extending therebetween with alternating obtuse and acute corner surfaces. A nose cutting edge is formed at the intersection of the upper surface with each of the two acute corner surfaces. The lower surface includes a base surface from which a central boss and exactly two engagement ridges protrude. Each engagement ridge extends from the central boss to intersect with its respective acute corner surface and the base surface is divided into two base sub surfaces. The insert may be clamped against a seating surface of a tool holder pocket solely by the engagement ridge located closest to the operative nose cutting edge making contact with a corresponding single engagement groove and the two base sub surfaces making contact with two coplanar raised support surfaces.

No. of Pages : 24 No. of Claims : 25

(19) INDIA

(22) Date of filing of Application :30/05/2014

#### (43) Publication Date : 16/10/2015

# (54) Title of the invention : METHOD FOR PRODUCING ELECTRICALLY CONDUCTIVE STRUCTURES ON NON CONDUCTIVE SUBSTRATES AND STRUCTURES MADE IN THIS MANNER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:C25D5/02C25D5/10C25D5/54 :11009542.9 :02/12/2011 :EPO :PCT/EP2012/004965 :30/11/2012 :WO 2013/079219 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BYK CHEMIE GMBH <ul> <li>Address of Applicant :Abelstrasse 45 46483 Wesel Germany</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)BERKEI Michael</li> <li>2)TINTHOFF Tobias</li> </ul> </li> </ul>
Filing Date	:NA	

(57) Abstract :

The method relates to a method for producing electrically conductive structures on electrically non conductive substrates and to a method for the electrochemical deposition of metals on substrates which is suitable in particular for producing metallic structures and/or electroplated plastics. The invention further relates to products obtainable in this way and to the use thereof.

No. of Pages : 44 No. of Claims : 20

(22) Date of filing of Application :30/05/2014

(21) Application No.1180/KOLNP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : MICROCAPSULE CONTAINING FUNGICIDAL ACTIVE INGREDIENT

(31) Priority Document No:2(32) Priority Date:2(33) Name of priority country:J.(86) International Application No:PFiling Date:2(87) International Publication No:W(61) Patent of Addition to:NApplication Number:NFiling Date:N(62) Divisional to Application:NNumber:N		<ul> <li>(71)Name of Applicant :</li> <li>1)SUMITOMO CHEMICAL COMPANY LIMITED Address of Applicant :27 1 Shinkawa 2 chome Chuo ku Tokyo 1048260 Japan</li> <li>(72)Name of Inventor :</li> <li>1)TANAKA Takuya</li> <li>2)UEDA Nobuhito</li> </ul>
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(57) Abstract :

There is provided a microcapsule for plant disease control. The microcapsule of the present invention that is a microcapsule in which a core material containing a fungicidal active ingredient is enclosed within a shell material wherein the microcapsule satisfies the following conditions (1) and (2) is a formulation that withstands physical impacts drying and diluting and suitable for seed treatment using a stirring type machine and the durability of control of diseases of crops and the safety for the crops can be improved more efficiently by the microcapsule of the present invention  $\cdot$  condition (1): D/T = 230  $\cdot$  condition (2): (D D)/D = 2.5 wherein in the formulae of conditions (1) and (2) T represents the shell thickness (µm) of the microcapsule D represents the 10% cumulative volume particle diameter (µm) of the microcapsule D represents the 50% cumulative volume particle diameter (µm) of the microcapsule.

No. of Pages : 51 No. of Claims : 14

(22) Date of filing of Application :11/06/2014

(21) Application No.1262/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : HEATING DEVICE IN A WATER BEARING DOMESTIC APPLIANCE

(51) International classification	:A47L15/42	(71)Nome of Applicant .
	:10 2012 200 113.1	(71)Name of Applicant : 1)BSH BOSCH UND SIEMENS HAUSGERÄTE GMBH
(31) Priority Document No		
(32) Priority Date	:05/01/2012	Address of Applicant :Carl Wery Str. 34 81739 München Germany
(33) Name of priority country	:Germany	(72)Name of Inventor :
(86) International Application No	:PCT/EP2012/075999	1)PSZOLA Peter
Filing Date	:18/12/2012	
(87) International Publication No	:WO 2013/102559	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a heating device for heating a liquid flow (I) in a water bearing domestic appliance. According to the invention the heating device has a heat pipe (1) having a heat absorbing evaporator section (23) and a heat outputting condenser section (25) that is in thermal connection with the liquid flow (I).

No. of Pages : 21 No. of Claims : 14

(22) Date of filing of Application :25/06/2014

(21) Application No.1348/KOLNP/2014 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : SYMBOL DETECTI	ON TECHNIQUE	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:H04L1/18 :NA :NA :NA :PCT/EP2011/006589	<ul> <li>(71)Name of Applicant :</li> <li>1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant :S 164 83 Stockholm Sweden</li> <li>(72)Name of Inventor :</li> <li>1)EDER Franz</li> </ul>
(80) International Application No Filing Date (87) International Publication No	:28/12/2011 :WO 2013/097875	2)MUELLER WEINFURTNER Stefan
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A technique of processing an Automatic Repeat Request (ARQ) transmission is disclosed. As to a method aspect of the technique the method (200) comprises the steps of requesting (210) a retransmission of a transport block; receiving (220) the retransmission of the transport block; and detecting (230) modulation symbols. The retransmission is requested in response to an error detecting code indicating an error in the transport block as received in at least one previous transmission. The modulation symbols are detected based on at least a part of the received retransmission and information from the at least one previous transmission. At least in some embodiments a detection rate is thus improved.

No. of Pages : 36 No. of Claims : 31

(22) Date of filing of Application :25/06/2014

(21) Application No.1349/KOLNP/2014 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : FLOW BASED PACKET MANIPULATION CONGESTION CONTROL

(51) International classification	:H04W28/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
(32) Priority Date	:NA	Address of Applicant :S 164 83 Stockholm Sweden
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:PCT/SE2011/051448	1)SKARVE Martin
Filing Date	:29/11/2011	2)GEIJER LUNDIN Erik
(87) International Publication No	:WO 2013/081511	
(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 :

This disclosure relates to a Radio Network Controller RNC (102 200) a base station (106 300) and to methods therein. By extracting (204 304) information from one or more flows of Protocol Data Units PDUs which information is accessible on a certain protocol layer only congestion control is enabled and performed on another protocol layer based on said information. The present disclosure avoids that inappropriate PDUs are discarded which else would inappropriately affect the user performance.

No. of Pages : 31 No. of Claims : 28

(19) INDIA

(22) Date of filing of Application :10/06/2014

#### (21) Application No.1260/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : COMPOSITION BASED ON RED HENNA POWDER AND OIL(S) AND HAIR DYEING PROCESS USING THIS COMPOSITION

(51) International classification	:A61K8/92A61K8/97A61Q5/06	(71)Name of Applicant :
(31) Priority Document No	:1161385	1)LOREAL
(32) Priority Date	:09/12/2011	Address of Applicant :14 rue Royale F 75008 Paris France
(33) Name of priority country	:France	(72)Name of Inventor :
(86) International Application No	:PCT/EP2012/074657	1)POURILLE Chrystel
Filing Date	:06/12/2012	
(87) International Publication No	:WO 2013/083701	
(61) Patent of Addition to Application	- NT A	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a composition A which is preferably compact and/or anhydrous comprising at least 20% of red henna powder (Lawsonia inermis alba) and at least one oil and also an aqueous composition B preferably in the form of a poultice for dyeing keratin fibres to the process for dyeing keratin fibres by treating the said fibres with the said composition and to the use of the composition and of a poultice for dyeing keratin fibres. Compositions A and B according to the invention make it possible to dye keratin fibres with strong chromatic dyeing results that are resistant to washing perspiration sebum and light and that are moreover long lasting without impairing the said fibres. Furthermore the use of compositions A and B does not give off any raw material dust (dust free). These compositions are easy to use in total safety and with no risk of staining. In addition composition A and the dyeing active agent remain stable on storage. The treated keratin fibres have a very pleasant cosmetic aspect their integrity is respected.

No. of Pages : 27 No. of Claims : 18

(22) Date of filing of Application :11/06/2014

(21) Application No.1261/KOLNP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : BLAST FURNACE OPERATION METHOD

(51) International classification	:C21B5/00C21B7/00	(71)Name of Applicant :
(31) Priority Document No	:2011279954	1)JFE STEEL CORPORATION
(32) Priority Date	:21/12/2011	Address of Applicant :2 3 Uchisaiwai cho 2 chome Chiyoda ku Tokyo
(33) Name of priority country	:Japan	1000011 Japan
(86) International Application No	:PCT/JP2012/055893	(72)Name of Inventor :
Filing Date	:01/03/2012	1)FUJIWARA Daiki
(87) International Publication No	:WO 2013/094230	2)MURAO Akinori
(61) Patent of Addition to Application Number	:NA	3)WATAKABE Shiro
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

2A double walled pipe is used as a lance (4) for blowing in a fuel through a tuyere (3) whereby pulverized coal is blown in from the inner pipe (21) of the double walled lance (4) and oxygen is blown in from the outer pipe (22) of the double walled lance (4). Notches (23) are provided on the blowing side tip section of the inner pipe (21) of the double walled lance (4) and the oxygen concentration of a gas that comprises the pulverized coal carrier gas and the gas which is blown in from the outer pipe is set to 35 vol% or higher. Thus the burning temperature can be increased even during a high pulverized coal ratio operation at a volatile pulverized coal content of 25 mass% or less and a pulverized coal ratio of 150 kg/t or higher. Consequently emission of CO can be reduced and by setting the oxygen concentration to lower than 70 vol% the oxygen consumption can be minimized. In addition because multiple notches (23) are provided at equal intervals in the circumferential direction of the inner pipe (21) of the double walled lance (4) the burning efficiency is further improved.

No. of Pages : 58 No. of Claims : 28

(22) Date of filing of Application :25/06/2014

(21) Application No.1350/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : SPECTROSCOPIC INSTRUMENT AND PROCESS FOR SPECTRAL ANALYSIS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:G01J3/28 :NA :NA :PCT/EP2011/006588 :28/12/2011 :WO 2013/097874 :NA	2)JEGLORZ Tobias 3)MASSOW Ole 4)WISWEH Henning
(61) Patent of Addition to Application Number		
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	5)VOGLER Klaus

(57) Abstract :

A spectroscopic instrument (38) includes a first optical component (48) for spatial spectral splitting of a polychromatic beam of light (46) impinging onto the first optical component (48) an objective (50) which routes various spectral regions (B B B) of the split beam of light (46a 46b 46c) onto differing spatial regions (52a 52b 52c) and a sensor (54) situated downstream of the objective (50) in the beam path of the beam of light (46a 46b 46c) with a plurality of light sensitive sensor elements (54a 54b 54c). The sensor elements (54a 54b 54c) are arranged in the beam path of the split beam of light 46a 46b 46c in such a manner that each sensor element (54a 54b 54c) registers the intensity of a spectral sector (A A A) of the beam of light (46) and the medians (Mk Mk Mk) of the spectral sectors (A A A) are situated equidistant from one another in the k space where (k) denotes the wavenumber.

No. of Pages : 35 No. of Claims : 15

(22) Date of filing of Application :12/06/2014

(21) Application No.1270/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : BELT HAVING A MULTILAYER IMPREGNATED TEXTILE OVERLAY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F16G1/08F16G1/10F16G1/28 :10 2011 121 656.5 :20/12/2011 :Germany :PCT/EP2012/005191 :17/12/2012 :WO 2013/091808 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ARNTZ BETEILIGUNGS GMBH &amp; CO. KG Address of Applicant :Corveyer Allee 15 37671 Höxter Germany (72)Name of Inventor :</li> <li>1)GIBSON Daniel Pattie</li> </ul>
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(57) Abstract :

The invention relates to a power transmission belt having a base made of polyurethane (30) and a textile overlay (1) and comprising a first coating of a first thermoplastic material (22) on the surface (11) of the textile overlay (1) which first coating forms an impregnation has a melting temperature from 80 °C to approximately 145°C and penetrates at least partially into the textile and comprising a second coating (26) of a second thermoplastic material on the first coating which second coating has a higher melting point. The coatings can be applied successively to the textile overlay (1) before the casting of the polyurethane or can be overlaid as individual films or as multi layer film and applied to the textile overlay by heat and pressure. The coating acts to reduce abrasion and prevents the through passage of the belt polyurethane.

No. of Pages : 24 No. of Claims : 18

(22) Date of filing of Application :12/06/2014

(21) Application No.1271/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : METHOD AND DEVICE FOR DETECTING 1588 TIMING ERROR BETWEEN NETWORK ELEMENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04L12/26H04L12/24 :201110390599.0 :30/11/2011 :China :PCT/CN2012/074297 :18/04/2012 :WO 2013/078820 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ZTE CORPORATION Address of Applicant :ZTE Plaza Keji Road South Hi Tech Industrial Park Nanshan Shenzhen Guangdong 518057 China (72)Name of Inventor : 1)XU Jianxin 2)HE Li</li></ul>
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(57) Abstract :

Disclosed are a method and a device for detecting a 1588 timing error between network elements. The method comprises: establishing a 1588 timing network for the entire network; when performing 1588 timing error detection between network elements is required each network element sends a probing packet carrying a local timestamp to a peer network element; a network element that receives the probing packet calculates according to a preset time difference algorithm the time difference between the local timestamp and the timestamp in the probing packet and determines according to the time difference whether a detection path failure has occurred; if such a path failure is detected an alarm is reported. The present invention prevents erroneous time transmission due to timing errors thus ensuring network stability.

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

(22) Date of filing of Application :26/06/2014

(21) Application No.1356/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : IMAGE PROCESSING METHOD FOR DETERMINING FOCUS DEPTH OF A REFRACTIVE LASER

(51) International classification	:A61F9/008	(71)Name of Applicant :
(31) Priority Document No	:NA	1)WAVELIGHT GMBH
(32) Priority Date	:NA	Address of Applicant : Am Wolfsmantel 5 91058 Erlangen Germany
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:PCT/EP2011/006605	1)WARM Berndt
Filing Date	:29/12/2011	
(87) International Publication No	:WO 2013/097881	
(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 relates to a laser apparatus system and method for determining a depth of a focus point of a laser beam. An interface device is coupleable to the laser apparatus and has an applanation element comprising a front surface and a back surface. A laser beam having a predefined shape is focussed through the applanation element at a focus point. A superimposed image of a spurious reflection which is reflected from the front surface of the applanation element with a standard reflection which is reflected from the back surface of the applanation element is detected. The spurious reflection is then filtered out of the superimposed image. Based on the remaining standard reflection the depth of the focus point of the laser beam can be determined.

No. of Pages : 23 No. of Claims : 14

(22) Date of filing of Application :26/06/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : METHOD OF DRESSING A FORGE DIE IN THE IMPLEMENTATION OF PARTS OBTAINED BY TWO SUCCESSIVE OPERATIONS OF FOUNDRY CASTING FOLLOWED BY FORGING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:B21J3/00B21J5/00 :1162512 :29/12/2011 :France :PCT/FR2012/052804 :05/12/2012 :WO 2013/098501 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SAINT JEAN INDUSTRIES <ul> <li>Address of Applicant :180 rue des Frères Lumière F 69220 Saint Jean</li> </ul> </li> <li>Dardieres France <ul> <li>(72)Name of Inventor :</li> <li>1)DI SERIO Emile</li> <li>2)SOUBRAS Fabien</li> </ul> </li> </ul>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The method consists of foundry casting a preform according to shapes having desired dimensions transferring said foundry preform into a tunnel furnace then an operation of preheating at a temperature ranging from 400 to 500° transferring the preheated foundry preform into a forge die of substantially smaller dimensions and shape and carrying out the coining operation at a pressure ranging from 600 to 700 MPa the method being characterised in that before transferring the preheated foundry preform into the forge die said forge die and the preform positioning means consisting of pins are subjected to a powder spraying operation over the entire inner surface of the forge die likely to receive the preheated foundry preform and over the pins.

No. of Pages : 8 No. of Claims : 5

(22) Date of filing of Application :13/06/2014

(21) Application No.1285/KOLNP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : METHOD OF MAKING A CEMENTED CARBIDE

(51) International classification	:C22C29/02B22F8/00	(71)Name of Applicant :
(31) Priority Document No	:11194820.4	1)SANDVIK INTELLECTUAL PROPERTY AB
(32) Priority Date	:21/12/2011	Address of Applicant :S 811 81 Sandviken Sweden
(33) Name of priority country	:EPO	(72)Name of Inventor :
(86) International Application No	:PCT/EP2012/076184	1)HEDIN Andreas
Filing Date	:19/12/2012	2)NORGREN Susanne
(87) International Publication No	:WO 2013/092733	3)SJÖDAHL Nina
(61) Patent of Addition to Application Number	:NA	4)GARCIA Jose
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 of making a cemented carbide comprising mixing in a slurry a first powder fraction and a second powder fraction subjecting the slurry to milling drying pressing and sintering. The first powder fraction is made from cemented carbide scrap recycled using the Zn recovery process comprising the elements W C Co and at least one or more of Ta Ti Nb Cr Zr Hf and Mo and the second powder fraction comprising virgin raw materials of WC and possibly carbides and/or carbonitrides of one or more of Cr Zr W Ta Ti Hf and Nb. The first powder fraction is subjected to a pre milling step prior to the step of forming the slurry to obtain an average grain size of between 0.2 1.5 µm.

No. of Pages : 15 No. of Claims : 12

(22) Date of filing of Application :13/06/2014

(21) Application No.1286/KOLNP/2014 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : REFRACTORY PRODUCT HAVING A HIGH CONTENT OF ZIRCONIA

(51) International classification	:C04B35/484	(71)Name of Applicant :
(31) Priority Document No	:1162149	1)SAINT GOBAIN CENTRE DE RECHERCHES ET DETUDES
(32) Priority Date	:21/12/2011	EUROPEEN
(33) Name of priority country	:France	Address of Applicant :Les Miroirs 18 avenue dAlsace F 92400
(86) International Application No	:PCT/IB2012/057485	Courbevoie France
Filing Date	:19/12/2012	(72)Name of Inventor :
(87) International Publication No	:WO 2013/093804	1)GAUBIL Michel
(61) Patent of Addition to Application Number	:NA	2)MASSARD Ludovic
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Fused cast refractory product comprising in percentages by weight on the basis of the oxides and for a total of 100%: ZrO: balance to 100%; HfO: < 5%; SiO: 2% to 10%; YO: 0.9% to 2.0%; CaO: 4.0% to 8.0%; BO + NaO + KO: 0.4% to 3.0%; AlO: 0.3% to 2.0%; PO: < 0.05%; FeO + TiO: < 0.55%; other species: < 1.5%. Application in glass melting furnaces.

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

(22) Date of filing of Application :27/06/2014

(21) Application No.1371/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : AN INTEGRATED DEVICE FOR OPHTHALMOLOGY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61B3/10A61B3/14A61B3/00 :NA :NA :NA :PCT/EP2011/006614 :30/12/2011 :WO 2013/097885 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)WAVELIGHT GMBH Address of Applicant : Am Wolfsmantel 5 91058 Erlangen Germany</li> <li>(72)Name of Inventor :</li> <li>1)DONITZKY Christof</li> <li>2)WUELLNER Christian</li> </ul>
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(57) Abstract :

A device (100) for ophthalmic radiation is provided. The device comprises a radiation interface (102) an optical branch coupler (104) and a plurality of ophthalmic units (106 108 110 112). The radiation interface is adapted to at least one of output and capture radiation on an optical path (124). The optical path is directable towards a patient s eye. The optical branch coupler is adapted to couple output radiation from a plurality of optical branches (118 119 120 122 123) into the optical path and to couple captured radiation from the optical path into the optical branches. The captured radiation is spectrally split by the optical branch coupler into the optical branches. Each of the optical branches has a different spectral range. Each of the plurality of ophthalmic units is arranged to couple to one of the optical branches.

No. of Pages : 31 No. of Claims : 18

(22) Date of filing of Application :27/06/2014

(21) Application No.1372/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : A MOBILE AD HOC NETWORK WITH REDUCED GUARD TIME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:217506 :12/01/2012 :Israel :PCT/IL2013/050008 :03/01/2013 :WO 2013/105085 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)RAFAEL ADVANCED DEFENSE SYSTEMS LTD. Address of Applicant :P.O.B. 2250 31021 Haifa Israel</li> <li>(72)Name of Inventor :</li> <li>1)WERMUTH Michal</li> <li>2)WERMUTH Yoav</li> </ul>
Filing Date	:NA	

#### (57) Abstract :

The present invention is directed to a method for reducing the guard time of a Mobile ad hoc networking (MANET) system during reception according to which a transceiver architecture that is provided at each node includes a combination of a hopping transmitter and a plurality of hopping narrowband independent receivers that are capable of receiving and processing the entire operational band assigned to the system at once and that include channel frequencies dynamically selected within a wide operating bandwidth. Alternatively the transceiver architecture includes a non hopping wideband receiver capable of receiving and processing the entire operational band assigned to the system at once. Several channels arbitrarily spread over a frequency band assigned to the system are simultaneously received while keeping the architecture of the MANET system. The transmission hopping patterns are determined to use the least possible number of frequencies. For each transmitting node time slots in which a counterpart receiver at each remaining active node is not transmitting and a frequency channel in which no other active node transmits are found. The transmission frequency is then determined and if no other node had chosen the same time slot and if the transceiver is not transmitting in the slot the transmission is received while allowing relay nodes to transmit simultaneously using different channels. Whenever a plurality of narrowband independent receivers is used for reception guard time is allocated to time slots on demand. Otherwise no guard time is allocated to the time slots.

No. of Pages : 24 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :04/06/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : CATALYST FOR THE SYNTHESIS OF ALKYL MERCAPTANS AND PROCESS FOR PRODUCING IT

(51) International classification	:B01J23/30B01J35/00B01J35/02	(71)Name of Applicant :
(31) Priority Document No	:11194327.0	1)EVONIK DEGUSSA GMBH
(32) Priority Date	:19/12/2011	Address of Applicant :Rellinghauser Straße 1 11 45128 Essen
(33) Name of priority country	:EPO	Germany
(86) International Application No	:PCT/EP2012/073724	(72)Name of Inventor :
Filing Date	:27/11/2012	1)FONFE Benjamin
(87) International Publication No	:WO 2013/092129	2)FUSS Sebastian
(61) Patent of Addition to Application	:NA	3)WILZ Frank
Number	:NA :NA	4)JAKOB Harald
Filing Date	INA	5)WECKBECKER Christoph
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a catalyst which comprises a support material and an oxidic composition containing at least one alkali metal and tungsten a process for producing such catalysts and also a process for preparing alkyl mercaptans by reaction of alkanols with hydrogen sulphide in the presence of such a catalyst.

No. of Pages : 56 No. of Claims : 16

(22) Date of filing of Application :04/06/2014

# (21) Application No.1203/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : METHOD FOR RECOVERY OF MOLYBDATE IN A MOLYBDATE CATALYSED DELIGNIFICATION OF PULP WITH HYDROGEN PEROXIDE

(51) International classification	:D21C9/16B01J20/12B01J38/00	(71)Name of Applicant :
(31) Priority Document No	:102012200990.6	1)EVONIK INDUSTRIES AG
(32) Priority Date	:24/01/2012	Address of Applicant :Rellinghauser Straße 1 11 45128 Essen
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2012/076249	(72)Name of Inventor :
Filing Date	:19/12/2012	1)DIETZ Thomas
(87) International Publication No	:WO 2013/110419	2)HOPF Bernd
(61) Patent of Addition to Application	:NA	3)GRIMMER Ralf
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In a delignification of pulp with hydrogen peroxide catalysed with molybdate molybdate can be recovered by bringing the aqueous solution containing molybdate into contact with a carrier material that comprises a layered silicate ion exchanged with a quaternary ammonium salt at a pH value ranging between 2 and 7 and subsequent flotation without the need to add a tenside for the flotation.

No. of Pages : 17 No. of Claims : 16

(22) Date of filing of Application :16/06/2014

(21) Application No.1287/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : MORPHOLINYL BENZOTRIAZINE FOR USE IN CANCER THERAPY

(51) International classification	:C07D253/08C07D401/06C07D401/14	(71)Name of Applicant :
(31) Priority Document No	:10 2011 118 830.8	1)MERCK PATENT GMBH
(32) Priority Date	:18/11/2011	Address of Applicant :Frankfurter Strasse 250 64293 Darmstadt
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2012/004542	(72)Name of Inventor :
Filing Date	:30/10/2012	1)MEDERSKI Werner
(87) International Publication No	:WO 2013/072015	2)FUCHSS Thomas
(61) Patent of Addition to	:NA	3)EMDE Ulrich
Application Number	:NA :NA	4)BUCHSTALLER Hans Peter
Filing Date	.NA	
(62) Divisional to Application	:NA	
Number	:NA :NA	
Filing Date	.NA	

(57) Abstract :

The invention relates to compounds of formula (I) where R L and m have the denotations as defined in the claims and/or to the physiologically harmless salts tautomers and stereoisomers thereof including mixtures thereof in all ratios. The compounds of formula (I) can be used for inhibiting serinethreonine protein kinases and for sensitizing cancer cells to anticancer drugs and/or ionizing radiation. A further object of the invention is the use of the compounds of formula (I) in the prophylaxis therapy or progress monitoring of cancers tumors metastases or angiogenic disorders in combination with radiotherapy and/or an anticancer drug. The invention further relates to a method for producing the compounds of formula (I) by reacting compounds of formulae (II) and if need be converting a chemical base or acid of the compounds of the formula (I) to one of the salts thereof.

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

(19) INDIA

(22) Date of filing of Application :16/06/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : DROUGHT TOLERANT PLANTS PRODUCED BY MODIFICATION OF THE STAY GREEN STGX LOCUS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	·16/11/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)THE STATE OF QUEENSLAND ACTING THROUGH THE DEPARTMENT OF AGRICULTURE FISHERIES AND FORESTRY <ul> <li>Address of Applicant :80 Ann Street Brisbane Queensland 4001</li> </ul> </li> <li>Australia <ul> <li>2)TEXAS A &amp; M UNIVERSITY SYSTEM</li> <li>3)GRAINS RESEARCH &amp; DEVELOPMENT CORPORATION</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)BORRELL Andrew Kenneth</li> <li>2)JORDAN David Robert</li> <li>3)MULLET John</li> <li>4)KLEIN Patricia</li> </ul> </li> </ul>
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(57) Abstract :

StgXStg1 Stg2 Stg3a Stg3b and Stg4The present disclosure teaches the generation of drought tolerant plants. The present disclosure enables manipulation of a phenotypic characteristic referred to as stay green to facilitate drought adaptation in plants by recombinant mutagenic and/or breeding and selection methods of manipulating genes including. Plant management practice systems to increase crop yield and harvest efficiency in water limited environments are also taught herein.

No. of Pages : 188 No. of Claims : 41

(22) Date of filing of Application :27/06/2014

(21) Application No.1373/KOLNP/2014 A

# (43) Publication Date : 16/10/2015

#### (54) Title of the invention : NEAR NET CUTTING TOOL INSERT

(51) International classification	:C04B35/52C04B35/5831C04B35/645	(71)Name of Applicant :
(31) Priority Document No	:61/581664	1)DIAMOND INNOVATIONS INC.
(32) Priority Date	:30/12/2011	Address of Applicant :Frank Gao 6325 Huntley Road Worthington
(33) Name of priority country	:U.S.A.	OH 43085 U.S.A.
(86) International Application No	:PCT/US2012/072257	(72)Name of Inventor :
Filing Date	:31/12/2012	1)WEBB Steven W.
(87) International Publication No	:WO 2013/102184	2)WEINL Gerold
(61) Patent of Addition to	NT A	3)MARTENSSON Malin
Application Number	:NA	4)EASLEY Thomas C.
Filing Date	:NA	
(62) Divisional to Application	NT A	
Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method of making a near net superhard material body includes preparing granules from a mixture of superhard powder binders and fluids compacting the granules to form a soft green complex shaped body heating the soft green body in a furnace to form a hard green body free from residual binders embedding one or more of the hard green bodies in a containment powder or a containment means and forming a pressure cell sintering the cell at high pressure and high temperature and removing the containment powder from the cell or removing the inserts from the containment means to reveal one or more near net bodies.

No. of Pages : 68 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :28/05/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : RADIO NETWORK NODE NETWORK CONTROL NODE AND METHODS THEREIN

(62) Divisional to Application Number :NA Filing Date :NA	• • • • • • • • • • • • • • • • • • • •	:61/557468 :09/11/2011 :U.S.A. :PCT/SE2012/051221 :09/11/2012 :WO 2013/070165 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant :S 164 83 Stockholm Sweden</li> <li>(72)Name of Inventor :</li> <li>1)RÁCZ Sándor</li> <li>2)NÁDAS Szilveszter</li> </ul>
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(57) Abstract :

Embodiments herein relate to a method in a radio network node (500 12 13 13) for informing a network control node (700 14) about a state of a connection between the radio network node (500 12 13 13) and a user equipment (10) served by the radio network node (500 12 13 13). The radio network node transmits to the network control node (700 14) an indication indicating a congestion or not a congestion of MAC hs or MAC ehs packets towards the user equipment (10).

No. of Pages : 34 No. of Claims : 46

(19) INDIA

(22) Date of filing of Application :28/05/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : METERING DEVICE FOR THE MANUALLY CONTROLLED METERING OF A LIGHT CURING MATERIAL KIT AND METHOD

(51) International classification	:G03F7/16	(71)Name of Applicant :
(31) Priority Document No	:10 2011 117 405.6	1)OFFERMANN THOMAS
(32) Priority Date	:02/11/2011	Address of Applicant :Kalterer Strasse 41 39057 Eppan Italy
(33) Name of priority country	:Germany	(72)Name of Inventor :
(86) International Application No	:PCT/EP2012/004551	1)OFFERMANN THOMAS
Filing Date	:31/10/2012	
(87) International Publication No	:WO 2013/064248	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a metering device (100) for metering in a manually controlled manner a light curing material contained in said metering device (100). This device comprises at least one reservoir (1) which can be deformed at least in some sections thereof and in which said light curing material is contained as well as a metering arrangement (3) for applying the light curing material. The invention also relates to a kit and a method.

No. of Pages : 23 No. of Claims : 21

(22) Date of filing of Application :09/06/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : TEST APPARATUS AND METHOD FOR TESTING A FIRST AND/OR A SECOND ELECTRICAL MACHINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:G01M13/02 :10 2011 120 939.9 :14/12/2011 :Germany :PCT/EP2012/072575 :14/11/2012 :WO 2013/087329 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant :Wittelsbacherplatz 2 80333 München Germany (72)Name of Inventor :</li> <li>1)DEICKE Matthias</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract :

In order to test a first (21) and/or a second (22) electrical machine a test apparatus (10) comprises: a torque transmitter (36) having a torque connection for a first electrical machine (21) and a torque connection for a second electrical machine (22). The test apparatus (10) also comprises an electrical shaft (40) having an electrical connection (41) for the first electrical machine (21) and an electrical connection (42) for the second electrical machine (22). The electrical shaft (40) is prepared to transmit as much electrical power at least by a factor (v) between the first electrical connection (41) and the second electrical connection (42) as supply apparatuses (72 74 76 78) of the test apparatus (10) for supplying electrical energy from an external electrical energy source (72 74 76 78) to the electrical shaft (40) are at most prepared for wherein v is at least 5 and it is assumed that said condition for v is met if the test apparatus (10) does not comprise such a supply apparatus (72 74 76 78). The invention also relates to a corresponding method (100).

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

(19) INDIA

(22) Date of filing of Application :09/06/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : CONTROL CHANNEL ELEMENT ALLOCATION APPARATUS AND METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(22) Distinguistication Application Application</li> </ul>	:H04W72/04H04W72/10H04W72/06 :NA :NA :NA :PCT/CN2011/082192 :15/11/2011 :WO 2013/071482 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)OPTIS CELLULAR TECHNOLOGY LLC Address of Applicant :P.O. Box 250649 Plano Texas 75025 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)WANG Jun</li> </ul>
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract :

According to the disclosure there provides a control channel element (CCE) allocation method comprising steps of: deciding an aggregation level of each of scheduled entities according to channel quality indicator (CQI) fed back from each of the scheduled entities; sorting in a list all the scheduled entities based on priority; obtaining at least two (CCE) allocation patterns each with preoccupation of (CCE) candidates by the scheduled entities by use of retrospective mechanism; selecting a (CCE) allocation patterns; allocating (CCEs) to the scheduled entities based on the selected (CCE) candidates from the obtained at least two (CCE) allocation patterns; allocating (CCEs) to the scheduled entities based on the selected (CCE) allocation pattern.

No. of Pages : 60 No. of Claims : 15

(22) Date of filing of Application :09/04/2014

(21) Application No.447/KOL/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : DUAL RAIL SINGLE-ENDED READ DATA PATHS FOR STATIC RANDOM ACCESS MEMORIES

(33) Name of priority country:NA(72)Name of Inventor :(86) International Application No:NA1)EVANS DONALD ALBERTFiling Date:NA2)RAJIV ROY(87) International Publication No: NA3)RASOJU VEERABADRA CHARY(61) Patent of Addition to Application Number:NA4)RAHUL SAHUFiling Date:NA:NA	<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	11/00 :NA :NA :NA :NA :NA :NA :NA	1)EVANS DONALD ALBERT 2)RAJIV ROY 3)RASOJU VEERABADRA CHARY
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(57) Abstract :

Single-ended read circuits for SRAM devices are disclosed for high performance sub-micron designs. One embodiment is an SRAM device that includes a memory cell array and a bit line traversing the memory cell array for reading data from memory cells of the memory cell array. A read circuit coupled to the bit line translates data stored in a memory cell from a cell voltage of the memory cells to a peripheral voltage of an output of the SRAM device while bypassing a level shifter in the read data path.

No. of Pages : 22 No. of Claims : 11

(22) Date of filing of Application :12/06/2014

(54) Title of the invention : PANEL

(21) Application No.1269/KOLNP/2014 A

(43) Publication Date : 16/10/2015

(51) International classification	:E04F15/02	(71)Name of Applicant :
(31) Priority Document No	:BE2012/0007	1)FLOORING INDUSTRIES LIMITED SARL
(32) Priority Date	:05/01/2012	Address of Applicant :10b Rue des Mérovingiens (ZI Bourmicht) L
(33) Name of priority country	:Belgium	8070 Bertrange Luxembourg
(86) International Application No	:PCT/IB2012/056491	(72)Name of Inventor :
Filing Date	:16/11/2012	1)CAPPELLE Mark
(87) International Publication No	:WO 2013/102803	2)DEVOS Pieter
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		1

(57) Abstract :

Panel with a horizontally and vertically active locking system (6 7) which allow that two of such floor panels (1) can be connected to each other at said sides (2 3) by providing one of these floor panels (1) by means of a downward movement (M) in the other panel (1); wherein the vertically active locking element (7) comprises a locking element (12) in the form of an insert; wherein this locking element (12) comprises at least a pivotable lock up body (14) and an attachment portion; characterized in that said pivotable lock up body (14) and the attachment portion in the non coupled condition horizontally extend at least for a part underneath each other however herein maintain a vertical mutual distance.

No. of Pages : 58 No. of Claims : 34

(22) Date of filing of Application :26/06/2014

(21) Application No.1360/KOLNP/2014 A

(43) Publication Date : 16/10/2015

## (54) Title of the invention : FILLING DEVICE FOR A PACKAGING MACHINE

(51) International classification	:B65B1/18B65B39/00F16K5/06	(71)Name of Applicant :
(31) Priority Document No	:10 2011 119 624.6	1)HAVER & BOECKER OHG
(32) Priority Date	:29/11/2011	Address of Applicant : Carl Haver Platz 3 59302 Oelde Germany
(33) Name of priority country	:Germany	(72)Name of Inventor :
(86) International Application No	:PCT/EP2012/004874	1)HILLING Thomas
Filing Date	:26/11/2012	2)WLTERMANN Frank
(87) International Publication No	:WO 2013/079183	3)VOLLENKEMPER Willi
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a filling device (1) for a packaging machine and to a packaging machine having a filling device that includes a filling channel (2) and a controllable channel closure (3) in order to control the flow through the filling channel of a bulk material (5) to be filled into a valve sack (4). The channel closure comprises a pivotable closure element (6) which is arranged within the filling channel and the pivot axis (7) of which extends transversely with respect to the filling channel in such a way that when closed the channel closure completely closes the filling channel and when fully open completely opens the filling cross section.

No. of Pages : 33 No. of Claims : 18

(22) Date of filing of Application :13/06/2014

(21) Application No.1275/KOLNP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : PANEL COMMUNICATION VIA ILLUMINATED BEZEL

(31) Priority Document No:13/(32) Priority Date:30/(33) Name of priority country:U.S(86) International Application No:PCFiling Date:28/	CT/US2012/072059 //12/2012 O 2013/109402 A A A	<ul> <li>(71)Name of Applicant :</li> <li>1)EATON CORPORATION <ul> <li>Address of Applicant :1111 Superior Avenue Cleveland OH 44114</li> <li>U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)CZAPAR Matthew</li> </ul> </li> </ul>
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(57) Abstract :

The interface panel (102) has a bezel (104) extending around a perimeter of the interface panel (102). The interface panel has a light source (106) for generating a light. The interface panel has a light diffuser (108) coupled to the light source (106) and configured to distribute the light generated by the light source. The light diffuser (108) is disposed in the bezel (104) and extends around the perimeter of the panel. The interface panel (102) has a light source controller (110) coupled to the light source. The light source controller (110) is configured to control the light source (106) to generate the light to communicate a predefined message via the light diffuser (108).

No. of Pages : 19 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :26/06/2014

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : METHODS AND SYSTEMS FOR MANAGING A CLEARANCE GAP IN A PISTON ENGINE

(51) International classification	:F01B23/10F16J1/08F16J10/04	(71)Name of Applicant :
(31) Priority Document No	:13/340534	1)ETAGEN INC.
(32) Priority Date	:29/12/2011	Address of Applicant :186 Constitution Drive Menlo Park California
(33) Name of priority country	:U.S.A.	94025 U.S.A.
(86) International Application No	:PCT/US2012/071524	(72)Name of Inventor :
Filing Date	:21/12/2012	1)SVRCEK Matt
(87) International Publication No	:WO 2013/101785	2)LAWLER John
(61) Patent of Addition to Application Number	:NA :NA	3)MILLER Shannon
Filing Date (62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A piston engine may include a heat pipe capable of transferring heat away from a portion of the piston engine such as a combustion section. The heat pipe may be included as part of a piston assembly a cylinder or both. The heat pipe may be filled with a suitable heat pipe fluid that may undergo a phase change such as for example water ethanol ammonia sodium other fluids or combinations thereof. Boiling and condensing of the fluid within the heat pipe may utilize the latent heat of the fluid during heat transfer. Multiple heat pipes may be used in some instances.

No. of Pages : 78 No. of Claims : 30

(22) Date of filing of Application :26/06/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : METHODS AND SYSTEMS FOR MANAGING A CLEARANCE GAP IN A PISTON ENGINE

(51) International classification	:F01B23/10F16J1/08F16J10/04	(71)Name of Applicant :
(31) Priority Document No	:13/340534	1)ETAGEN INC.
(32) Priority Date	:29/12/2011	Address of Applicant :186 Constitution Drive Menlo Park California
(33) Name of priority country	:U.S.A.	94025 U.S.A.
(86) International Application No	:PCT/US2012/071525	(72)Name of Inventor :
Filing Date	:21/12/2012	1)LAWLER John
(87) International Publication No	:WO 2013/101786	2)SVRCEK Matt
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A piston engine may include a non contact bearing between a piston assembly and a cylinder. The piston may be configured to translate in a bore of the cylinder and a non contact bearing may be included in a clearance gap between the piston assembly and the bore. A bearing fluid may be supplied to the clearance gap via the piston assembly and/or cylinder to create the non contact bearing. A bearing element may be used to direct or otherwise manage the flow of bearing fluid in the clearance gap. The bearing element may include one or more holes porous portions and/or passages to direct the bearing fluid to the clearance gap.

No. of Pages : 78 No. of Claims : 30

(22) Date of filing of Application :03/06/2014

(21) Application No.1196/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : SYSTEM APPARATUS AND METHOD FOR REDUCING INRUSH CURRENT IN A THREE PHASE TRANSFORMER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:13/347563 :10/01/2012 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)SCHWEITZER ENGINEERING LABORATORIES INC. Address of Applicant :2350 NE Hopkins Court Pullman WA 99163</li> <li>U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)TAYLOR Douglas I.</li> </ul>
(87) International Publication No	:WO 2013/106150	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system for reducing inrush current in a three phase utility transformer upon energization of the transformer by an applied three phase voltage utilizes a pre flux circuit for establishing residual flux levels in the core segments of the primary windings of the transformer which are near the prospective flux levels established in the core segments by the applied voltage. The pre flux circuit includes a prefixing capacitor which after being charged to a predetermined voltage level is discharged serially through two of the primary windings to establish the predetermined flux levels in the core segments of the two windings and a reduced flux level in the core segment of the remaining primary winding. The transformer is energized at the instant of positively referenced peak phase voltage to the third primary winding such that prospective and residual flux approach a near equal level in all three core segments and inrush current is reduced.

No. of Pages : 33 No. of Claims : 22

(22) Date of filing of Application :30/06/2014

(21) Application No.714/KOL/2014 A

(43) Publication Date : 16/10/2015

## (54) Title of the invention : METHOD AND APPARATUS FOR PERFORMING DEVICE-TO-DEVICE COMMUNICATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:782/KOL/2013 :28/06/2013	<ul> <li>(71)Name of Applicant :</li> <li>1)SAMSUNG ELECTRONICS CO. LTD. Address of Applicant :129 SAMSUNG-RO YEONGTONG-GU SUWON-SI GYEONGGI-DO 443-742 REPUBLIC OF KOREA</li> <li>(72)Name of Inventor :</li> <li>1)ANIL AGIWAL</li> <li>2)YOUNG-BIN CHANG</li> </ul>
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(57) Abstract :

A method and apparatus for performing Device-to-Device (D2D) communication are provided. The method includes being assigned a transmission and reception indicator and an index during D2D connection setup between a User Equipment (UE) and a Base Station (BS) by the UE the transmission and reception indicator indicating a transmission role or a reception role and the index indicating another UE for D2D communication receiving the transmission and reception indicator the index and resource information for the D2D communication on a control channel by the UE and performing by the UE a transmission operation or a reception operation to or from the other UE indicated by the index in resources indicated by the resource information according to the transmission role or the reception role indicated by the transmission and reception indicator.

No. of Pages : 151 No. of Claims : 96

(22) Date of filing of Application :12/06/2014

(21) Application No.1267/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : MEDICAL VEST FOR HIGH FREQUENCY CHEST WALL OSCILLATION (HFCWO) SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:11306490.1 :15/11/2011 :EPO :PCT/EP2012/072801 :15/11/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)MITCHELL Christine Y.P.A Address of Applicant :27 Rue St Clair F 83440 Fayence France</li> <li>(72)Name of Inventor :</li> <li>1)MITCHELL Barrett Reed</li> </ul>
(87) International Publication No (61) Patent of Addition to Application Number	:WO 2013/072446 :NA	
Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract :

Medical vest for High Frequency Chest Wall Oscillation (HFCWO) system comprising at least a device (1) comprising a deformable chamber (8) and at least a port (5 6) in communication with the chamber (8) configured to let a pressurized fluid flowing alternatively in and out the chamber (8) so that the inflatable device (1) alternatively passes from an inflated configuration to a deflated configuration characterized in that the device (1) is configured to essentially expand along one single direction (200) when passing from the deflated configuration to the inflated configuration.

No. of Pages : 33 No. of Claims : 14

#### (19) INDIA

(22) Date of filing of Application :26/06/2014

#### (43) Publication Date : 16/10/2015

# (54) Title of the invention : APPARATUS AND METHOD FOR DETERMINING THE TOXICITY OF LIQUID MEDIA

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>(81) Patent</li> <li>(82) Priority Country</li> <li>(83) Priority Date</li> <li>(83) Name of priority Country</li> <li>(84) Priority Country</li> <li>(85) International Application No</li> <li>(87) International Publication No</li> <li>(91) Patent of Addition to Application Number</li> <li>(92) Divisional to Application Number</li> </ul>	G01N33/18 2011148958 01/12/2011 Russia PCT/RU2012/000970 20/11/2012 WO 2013/081496 NA NA NA NA	<ul> <li>(71)Name of Applicant :</li> <li>1)KIRSANOV Dmitry Olegovich Address of Applicant :pr. Pyatiletok 2 kv. 162 St.Petersburg 193318</li> <li>Russia</li> <li>2)LEGIN Andrey Vladimirovich</li> <li>3)ZADOROZHNAYA Olesya Anatolievna</li> <li>4)KRASHENINNIKOV Anatoly Aleksandrovich</li> <li>5)POPOV Aleksandr Platonovich</li> <li>6)KOMAROVA Natalia Viktorovna</li> <li>(72)Name of Inventor :</li> <li>1)KIRSANOV Dmitry Olegovich</li> <li>2)LEGIN Andrey Vladimirovich</li> <li>3)ZADOROZHNAYA Olesya Anatolievna</li> <li>(72)Name of Inventor :</li> <li>1)KIRSANOV Dmitry Olegovich</li> <li>2)LEGIN Andrey Vladimirovich</li> <li>3)ZADOROZHNAYA Olesya Anatolievna</li> <li>4)KRASHENINNIKOV Anatoly Aleksandrovich</li> <li>5)POPOV Aleksandr Platonovich</li> <li>6)KOMAROVA Natalia Viktorovna</li> </ul>
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(57) Abstract :

The present invention relates to the determination of toxicity and can be widely used in analytical practice in determining the toxicity of various liquid media without using expensive and laborious analysis methods. More specifically the invention relates to aqueous toxicology and to establishing the toxicity of aqueous media and samples. In particular the present application proposes a kit and a multi sensor a method for calibrating the multi sensor and also a method for the qualitative and quantitative determination of the toxicity of liquid samples.

No. of Pages : 33 No. of Claims : 24

(22) Date of filing of Application :16/06/2014

(21) Application No.1292/KOLNP/2014 A

(43) Publication Date : 16/10/2015

:B65D88/16	(71)Name of Applicant :
:A1728/2011	1)GREIF FLEXIBLES TRADING HOLDING BV
:22/11/2011	Address of Applicant :Jupiterweg 1 NL 4761 Rw Moerdijk
:Austria	Netherlands
:PCT/EP2012/073227	2)PÖRNER INGENIEURGESELLSCHAFT MBH
:21/11/2012	(72)Name of Inventor :
:WO 2013/076138	1)SAMADIJAVAN Amir
:NA	2)PÖRNER Andreas
:NA	
:NA	
:NA	
	:A1728/2011 :22/11/2011 :Austria :PCT/EP2012/073227 :21/11/2012 :WO 2013/076138 :NA :NA :NA

(57) Abstract :

The invention relates to a transport container for flowable materials in particular for bitumen in a heated or cold state the container body (1) of the transport container having a form shaped substantially like a frustum of a pyramid comprising a bottom 2) side walls (3) and optionally a top surface (4) having a filling opening (5) the bottom side walls and top surface being made of flexible material and the side walls (3) being reinforced against deformation by stabilizing means in the lower region near the bottom characterized in that the stabilizing means are designed as stabilizer belts (7) which connect the bottom corner regions (8) to the adjacent side edges (9) in a tension resistant manner and crossed manner the fastening points (10) of the stabilizer belts on the side edges (9) lying within the lower two thirds of the entire height of the container body said lower two thirds being near the bottom.

No. of Pages : 19 No. of Claims : 14

(22) Date of filing of Application :16/06/2014

(21) Application No.1293/KOLNP/2014 A

(43) Publication Date : 16/10/2015

## (54) Title of the invention : REGENERATOR

(51) International classification (31) Priority Document No	:F28D20/00 :1162272	(71)Name of Applicant : 1)SAINT GOBAIN CENTRE DE RECHERCHES ET DETUDES
(32) Priority Date	:22/12/2011	EUROPEEN
(33) Name of priority country	:France	Address of Applicant :Les Miroirs 18 avenue dAlsace F 92400
(86) International Application No	:PCT/IB2012/057507	Courbevoie France
Filing Date	:20/12/2012	(72)Name of Inventor :
(87) International Publication No	:WO 2013/093819	1)FRANCY Olivier
(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 relates to a regenerator comprising a bed (11) of energy storage media (12) placed in a chamber (14) the chamber comprising a shell (34) and a protective layer (22) placed between said shell and said energy storage media in contact with said energy storage media having a minimum thickness higher than 50 mm and consisting at least partially of a protective material having a composition in weight percent based on the oxides such that: FeO+ AlO+ CaO + TiO+ SiO+ NaO + KO > 80% and other oxides: complement to 100%.

No. of Pages : 34 No. of Claims : 43

(22) Date of filing of Application :16/06/2014

(21) Application No.1294/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : REGENERATOR WITH COMPOSITE INSULATING WALL

(51) International classification	:F28D20/00	(71)Name of Applicant :
(31) Priority Document No	:1162273	1)SAINT GOBAIN CENTRE DE RECHERCHES ET DETUDES
(32) Priority Date	:22/12/2011	EUROPEEN
(33) Name of priority country	:France	Address of Applicant :Les Miroirs 18 avenue dAlsace F 92400
(86) International Application No	:PCT/IB2012/057509	Courbevoie France
Filing Date	:20/12/2012	(72)Name of Inventor :
(87) International Publication No	:WO 2013/093820	1)WATREMETZ Benoít
(61) Patent of Addition to Application Number	:NA	2)BOUSSANT ROUX Yves
Filing Date	:NA	3)VINCENT Adrien
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a regenerator comprising a bed of energy storage media placed in a chamber the chamber comprising a shell and an insulating layer placed between said shell and said energy storage media the insulating layer comprising a structure defining a plurality of cavities each cavity having a volume greater than 5 cm at least a portion of said cavities being filled at least partly with an insulating material the minimum thickness of the structural material separating the cavities and the internal volume of the chamber wherein the energy storage media are placed being higher than 2 mm.

No. of Pages : 35 No. of Claims : 34

(22) Date of filing of Application :23/05/2014

#### (21) Application No.1113/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : NOVEL COMPOUND AS KCNQ POTASSIUM CHANNEL AGONIST PREPARATION METHOD THEREFOR AND USE THEREOF

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:C07C271/28C07C269/04C07C233/43 :201110328036.9 :25/10/2011 :China	<ul> <li>(71)Name of Applicant :</li> <li>1)SHANGHAI INSTITUTE OF MATERIA MEDICA CHINESE</li> <li>ACADEMY OF SCIENCES</li> <li>Address of Applicant :555 Zuchongzhi Road Zhangjiang Pudong</li> <li>Shanghai 201203 China</li> </ul>
<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:23/10/2012	<ul> <li>(72)Name of Inventor :</li> <li>1)NAN Fajun</li> <li>2)LI Min</li> <li>3)GAO Zhaobing</li> <li>4)CHEN Fei</li> <li>5)ZHANG Yangming</li> <li>6)ZHOU Pingzheng</li> <li>7)HU Haining</li> <li>8)XU Haiyan</li> <li>9)LIU Sheng</li> </ul>

(57) Abstract :

The present invention provides compounds having the structure represented by general formula I pharmaceutically acceptable salts thereof preparation methods therefor and a use thereof in the preparation of a medicine for the treatment of nervous system diseases. The compounds or pharmaceutical compositions thereof can be used as the KCNQ potassium channel agonist for treating nervous system diseases. Compared to retigabine a compound in the prior art the compounds of the present invention have the same or better therapeutic effect are easier for synthesis and storage and less prone to oxidative deterioration.

No. of Pages : 59 No. of Claims : 9

(22) Date of filing of Application :13/06/2014

(21) Application No.1278/KOLNP/2014 A

(43) Publication Date : 16/10/2015

## (54) Title of the invention : POWER TRANSMISSION DEVICE

(51) International classification	:F16D13/52F16D43/21	(71)Name of Applicant :
(31) Priority Document No	:2011287229	1)KABUSHIKI KAISHA F.C.C.
(32) Priority Date	:28/12/2011	Address of Applicant :7000 36 Nakagawa Hosoe cho Kita ku
(33) Name of priority country	:Japan	Hamamatsu shi Shizuoka 4311394 Japan
(86) International Application No	:PCT/JP2012/084079	(72)Name of Inventor :
Filing Date	:28/12/2012	1)ISOBE Kenichirou
(87) International Publication No	:WO 2013/100130	2)KAWASHIMA Shigeki
(61) Patent of Addition to Application Number	:NA	3)FURUHASHI Shinji
Filing Date	:NA	4)ANDO Go
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

To provide a power transmission device which can inhibit the rotation of a pressure member relative to a clutch member thereby inhibiting vibration in the same direction. [Solution] A power transmission device has: a clutch housing member (2) to which a plurality of drive side clutch plates (6) are attached; a clutch member (4) to which a plurality of driven side clutch plates (7) are attached; and a pressure member (5) which is capable of applying and releasing in accordance with the movement of the clutch member (4) in the axial direction a pressing force which causes the drive side clutch plates (6) and the driven side clutch plates (7) to engage with each other. By applying and releasing a pressing force which causes the drive side clutch plates (6) and the driven side clutch plates (7) to engage with each other the power transmission device can transmit to a shaft (3) and intercept rotary force inputted into the clutch housing member (2). The power transmission device is provided with a resistance member (11) which generates sliding resistance with respect to the pressure member (5) when the pressure member (5) rotates relative to the clutch member (4).

No. of Pages : 32 No. of Claims : 5

(22) Date of filing of Application :06/07/2007

(21) Application No.2527/KOLNP/2007 A

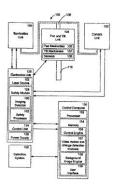
(43) Publication Date : 16/10/2015

(54) Title of the invention : SYSTEMS AND METHODS FOR NIGHT TIME SURVEILLANCE

(51) International classification	:G08B 13/196	(71)Name of Applicant :
(31) Priority Document No	:60/640244	1)VUMII INC.
(32) Priority Date	:03/01/2005	Address of Applicant :1100 ABERNATHY ROAD SUITE 1100
(33) Name of priority country	:U.S.A.	ATLANTA GEORGIA U.S.A.
(86) International Application No	:PCT/US06/000084	(72)Name of Inventor :
Filing Date	:03/01/2006	1)TAMIR MICHAEL
(87) International Publication No	:WO 2006/074161	2)TSUR SHRAGA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Methods and systems for surveillance are described. One described method for use in a surveillance system having a camera comprises generating a background image of the cameras field of regard receiving a live video image of the cameras current field of view wherein the field of view is within the field of regard and correlating a position of the live video image within the background image.



No. of Pages : 41 No. of Claims : 48

(22) Date of filing of Application :27/06/2014

(21) Application No.1374/KOLNP/2014 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : HAPLOID CELLS

(31) Priority Document No:1(32) Priority Date:3(33) Name of priority country:E(86) International Application No:FFiling Date:3(87) International Publication No:N(61) Patent of Addition to Application Number:NFiling Date:1(62) Divisional to Application Number:N	11191408.1 30/11/2011 EPO PCT/EP2012/074112 30/11/2012 WO 2013/079670	<ul> <li>(71)Name of Applicant : <ol> <li>I)IMBA INSTITUT FÜR MOLEKULARE BIOTECHNOLOGIE</li> <li>GMBH <ul> <li>Address of Applicant :Dr. Bohrgasse 3 A 1030 Vienna Austria</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>I)ELLING Ulrich</li> <li>2)PENNINGER Josef</li> <li>3)TAUBENSCHMID Jasmin</li> </ul> </li> </ol></li></ul>
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(57) Abstract :

The present invention relates to the generation of stable haploid cell cultures uses of said cells in forward and reverse genetics especially the identification of target genes associated with a modified phenotype and in particular identifying genetic targets associated with toxin resistance especially ricin toxicity resistance and therapeutic uses of target compounds.

No. of Pages : 124 No. of Claims : 40

(22) Date of filing of Application :30/06/2014

(21) Application No.1375/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : STACKED VOLTAGE SOURCE INVERTER WITH SEPARATE DC SOURCES

(51) International classification	:H02M7/48	(71)Name of Applicant :
(31) Priority Document No	:13/357616	1)EMPOWER MICRO SYSTEMS INC.
(32) Priority Date	:25/01/2012	Address of Applicant :548 Market Street Ste. 8303 San Francisco CA
(33) Name of priority country	:U.S.A.	94104 California 94104 U.S.A.
(86) International Application No	:PCT/US2013/021350	(72)Name of Inventor :
Filing Date	:13/01/2013	1)ILIC Milan
(87) International Publication No	:WO 2013/112304	2)NUOTIO Mika
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A stacked voltage source inverter having separate DC sources is described herein. This inverter is applicable to low or medium voltage low to medium power applications such as photovoltaic utility interface systems battery storage application such as peak shaving with renewables motor drive applications and for electric vehicle drive systems. The stacked inverter consists of at least one phase wherein each phase has a plurality of low voltage full bridge inverters equipped with an independent DC source. This inverter develops a near sinusoidal approximation voltage waveform with fast switching and small low pass AC output filter. A system controller controls operating parameters for each inverter. The inverter may have either single]phase or multi]phase embodiments connected in either wye or delta configurations.

No. of Pages : 43 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :18/06/2014

#### (21) Application No.1299/KOLNP/2014 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : ELECTRODE FOR ELECTROCHEMICAL ABATEMENT OF CHEMICAL OXYGEN DEMAND OF INDUSTRIAL WASTES

(51) International classification	:C02F1/461C25B11/04C02F1/467	(71)Name of Applicant :
(31) Priority Document No	:MI20120A000158	1)INDUSTRIE DE NORA S.P.A.
(32) Priority Date	:07/02/2012	Address of Applicant : Via Bistolfi 35 I 20134 Milano Italy
(33) Name of priority country	:Italy	(72)Name of Inventor :
(86) International Application No	:PCT/EP2013/052403	1)BENEDETTO Mariachiara
Filing Date	:07/02/2013	
(87) International Publication No	:WO 2013/117630	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.INA	
(62) Divisional to Application Number	::NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to an electrode suitable for decreasing the chemical oxygen demand of waste water comprising: a) a permanent component; and b) a sacrificial component arranged face to face and releasably attached to the permanent component and in electrical contact therewith said permanent component consisting of a Substrate of a valve metal equipped with a catalytic coating containing noble metals or oxides thereof said sacrificial component containing elemental iron. Further the invention relates to a method for abatement of the chemical oxygen demand in an aqueous waste containing oily compounds glycols or waxes optionally consisting of a foundry waste by an electrolytic process involving anodic chlorine evolution in the presence of trivalent iron. Chlorine evolution may be carried out on the surface of an anode consisting of a catalytically activated valve metal permanent component coupled to an iron containing sacrificial component.

No. of Pages : 11 No. of Claims : 13

#### (19) INDIA

(22) Date of filing of Application :01/07/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : HOUSING CONSTRUCTION SET FOR ELECTRICAL DEVICES IN PARTICULAR COMPRISING PLUG APPARATUSES AND SAFETY MEANS

(51) International classification	:H02G3/08	(71)Name of Applicant :
(31) Priority Document No	:20 2012 001 075.1	1)BALS ELEKTROTECHNIK GMBH & CO. KG
(32) Priority Date	:03/02/2012	Address of Applicant :Burgweg 22 57399 Kirchhundem-Albaum
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2013/000253	(72)Name of Inventor :
Filing Date	:29/01/2013	1)RAMM Andreas
(87) International Publication No	:WO 2013/113490	2)BANKSTAHL Mareike
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a housing construction set for electrical devices which comprise at least one plug apparatus and/or a safety means. The housing construction set contains a housing main body having a number of installation openings and a number of installation plates. At least one installation plate is designed to be suitable for fitting at least one plug apparatus and/or is at least partially composed of transparent material and/or is fully closed and/or has ventilation passages and/or has a frame on which an operating flap is arranged in a pivotable manner by means of a hinge joint. A first encoding means is formed at each installation opening and a second encoding means is formed on each installation plate. Each first encoding means of an installation opening within the housing construction set has a unique first encoding and each second encoding means of an installation plate is designed to complement a maximum of one first encoding means of an installation opening and each second encoding means of an installation plate which is at least partially composed of transparent material is designed to complement a maximum of one first encoding means of an installation opening and each second encoding means of an installation plate which is at least partially composed of transparent material is designed to complement a first encoding means of an installation opening as each second encoding means of an installation opening as each second encoding means of an installation opening as each second encoding means of an installation opening as each second encoding means of an installation opening as each second encoding means of an installation opening as each second encoding means of an installation opening as each second encoding means of an installation opening as each second encoding means of an installation opening as each second encoding means of an installation opening as each second encoding means of an installation opening as each second encoding means of an installation opening as each second encoding me

No. of Pages : 30 No. of Claims : 11

(22) Date of filing of Application :19/06/2014

(21) Application No.1304/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : IMPROVED SYNERGISTIC ANTI DIABETIC COMPOSITIONS

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:PCT/AU2012/001442 :23/11/2012 :WO 2013/075172 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)OZSTAR THERAPEUTICS PTY LTD Address of Applicant :Lot 1202 Phoenix Avenue Beaumont Hills New South Wales 2155 Australia</li> <li>(72)Name of Inventor :</li> <li>1)GORGANI Nick Naser</li> </ul>
Number	:NA :NA	

(57) Abstract :

The present invention is concerned with improved synergistic compositions effective in the treatment of diabetes and/or hyperglycemia. In particular the present invention is concerned with synergistic compositions comprising inulin preparations having a defined degree of polymerisation (DP) of below about 25 and sulfonylureas and/or a sulfonamide and/or derivatives and/or metabolites thereof used in the treatment of Type 2 Diabetes Meliitus (T2DM). Said compositions are also used for preventing the development of or ameliorating side effects or conditions in a subject treated with sulfonylurea and/or a sulfonamide compounds (and/or derivatives and/or metabolites thereof or combinations thereof) said side effects including hypoglycemia gastrointestinal disturbances fatigue weight gain and satiety.

No. of Pages : 64 No. of Claims : 27

(22) Date of filing of Application :18/06/2014

(21) Application No.1301/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : APPARATUS AND METHOD FOR REFERENCE SYMBOL TRANSMISSION IN AN OFDM SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:61/577533 :19/12/2011 :U.S.A. :PCT/KR2012/011103 :18/12/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)SAMSUNG ELECTRONICS CO. LTD. Address of Applicant :129 Samsung ro Yeongtong gu Suwon si Gyeonggi do 443 742 Republic of Korea</li> <li>(72)Name of Inventor :</li> <li>1)JOSIAM Kaushik</li> <li>2) A DI SUBDA Shadi</li> </ul>
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	:WO 2013/094980 :NA :NA	2)ABU SURRA Shadi 3)LI Ying 4)RAJAGOPAL Sridhar
(62) Divisional to Application Number Filing Date	:NA :NA	5)PI Zhouyue

(57) Abstract :

RFRFRFA base station is capable of communicating with a plurality of subscriber stations using a beamforming scheme that varies beams over different time instances. The base station includes a plurality of antenna arrays configured to transmit N spatial beams and carry a reference symbols corresponding to specific spatial beams. The base station also includes N number of radio frequency (RF) processing chains coupled to respective ones of the plurality of antenna arrays wherein N>>N. The subscriber station includes M processing receive paths configured to receive M number of beams from the base station.

No. of Pages : 60 No. of Claims : 14

(22) Date of filing of Application :01/07/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : METHOD AND SYSTEM FOR TRANSMITTING NETWORK VIDEO

(51) International classification	:H04N21/63	(71)Name of Applicant :
(31) Priority Document No	:201110448651.3	1)HUAWEI TECHNOLOGIES CO. LTD.
(32) Priority Date	:28/12/2011	Address of Applicant :Huawei Administration Building Bantian
(33) Name of priority country	:China	Longgang Shenzhen Guangdong 518129 China
(86) International Application No	:PCT/CN2012/083358	(72)Name of Inventor :
Filing Date	:23/10/2012	1)HU Yinliang
(87) International Publication No	:WO 2013/097525	2)LI Congjuan
(61) Patent of Addition to Application Number	:NA	3)ZHANG Jinhui
Filing Date	:NA	4)CHEN Jian
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed are a method and system for transmitting a network video relating to the technical field of the Internet and being able to reduce the data processing costs of the network router and buffer reduce the waiting time and improve the user experience. The method in the present invention includes: a terminal device sending video server name information in video request information to a local domain name server; the terminal device receiving address information about a buffer sent by the local domain name server and sending the video request information to the buffer according to the address information about the buffer; detecting whether there is a video resource corresponding to video identification information in the video request information in the buffer; and if there is a video resource corresponding to video identification information in the buffer sending the video resource to the terminal device. The present invention is suitable for transmitting network video resources.

No. of Pages : 56 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :01/07/2014

#### (21) Application No.1389/KOLNP/2014 A

#### (43) Publication Date : 16/10/2015

# (54) Title of the invention : CUTTING INSERT WITH ANGLED SUPPORTING SURFACE TOOLHOLDER WITH ANGLED ABUTMENT SURFACE AND CUTTING TOOL

(51) International classification	:B23B27/16B23C5/20B23C5/22	(71)Name of Applicant :
(31) Priority Document No	:12151084.6	1)SECO TOOLS AB
(32) Priority Date	:13/01/2012	Address of Applicant :SE 737 82 Fagersta Sweden
(33) Name of priority country	:EPO	(72)Name of Inventor :
(86) International Application No	:PCT/EP2012/076273	1)JANSSON Mikael
Filing Date	:20/12/2012	
(87) International Publication No	:WO 2013/104506	
(61) Patent of Addition to Application	.NI A	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A cutting insert (25) includes two supporting surfaces (41) four side surfaces (47) between the two supporting surfaces (41) each side surface (47) of the four side surfaces intersecting with two other side surfaces of the four side surfaces to form four corners (67) the four side surfaces (47) intersecting with the two supporting surfaces (41) to form at two of the four corners (67) four cutting corners (49) each cutting corner including a first and a second cutting edge component (51 and 53) and to form at two other ones of the four corners four non cutting corners. Each supporting surface (41) includes a surface portion (43) and an angled supporting surface (45) a plane of the angled supporting surface intersecting with a plane (PSS) of the surface portion(43) along a line of intersection and forming a non zero angle ( $\beta$ ) with the plane (PSS) of the surface portion (43) wherein the line of intersection on a first one of the two supporting surfaces (41) is substantially perpendicular to the line of intersection on a second one of the two supporting surfaces (41). A toolholder and a cutting tool are also disclosed.

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

(22) Date of filing of Application :19/06/2014

(21) Application No.1307/KOLNP/2014 A

(43) Publication Date : 16/10/2015

### (54) Title of the invention : COMPRESSOR DEVICE AND METHOD FOR CONTROLLING SUCH A COMPRESSOR DEVICE

Filing Date :NA	<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:2012/0132 :29/02/2012 :Belgium :PCT/BE2013/000009 :22/02/2013 :WO 2013/126971 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ATLAS COPCO AIRPOWER NAAMLOZE VENNOOTSCHAP Address of Applicant :Boomsesteenweg 957 B 2610 Wilrijk Belgium</li> <li>(72)Name of Inventor :</li> <li>1)MARTENS Kristof Adrien Laura</li> </ul>
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(57) Abstract :

Compressor device that comprises a compressor element (2) that is equipped with a compression chamber with at least one coolant inlet (8) and which furthermore comprises a gas outlet (4) a gas/coolant separation tank (5) connected to it and a cooling circuit with a cooler (10) that extends between the separation tank (5) and the coolant inlet (8) and which is equipped with control means to adjust the temperature of the coolant flow supplied to the compressor element (2) whereby the aforementioned control means comprise a first and a second sub controller (25 26) each with a different target parameter whereby the control means (25 26) also comprise switching means (37 38) to place one of the two sub controllers (25 26) in an activated state and the other sub controller (25 26) in a deactivated state.

No. of Pages : 45 No. of Claims : 27

(19) INDIA

(22) Date of filing of Application :27/05/2014

### (21) Application No.1142/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : THERAPEUTIC COMBINATION OF MEMANTINE AND BACLOFEN AND PHARMACEUTICAL COMPOSITION CONTAINING THEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:A61K31/13A61K31/195A61P3/04 :P1100615 :07/11/2011 :Hungary :PCT/HU2012/000119	<ul> <li>(71)Name of Applicant :</li> <li>1)RICHTER GEDEON NYRT.</li> <li>Address of Applicant :Gyömröi út 19 21. H 1103 Budapest Hungary</li> <li>(72)Name of Inventor :</li> <li>1)KOVÁCS Péter</li> </ul>
Filing Date	:06/11/2012	2)KITKA Tamás
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li></ul>	:WO 2013/068774	3)EGYED MISNYOVSZKI Melinda 4)VARGA Balázs
Number		5)FARKAS Sándor
Filing Date	:NA	6)HORVÁTH Csilla Mária
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract :

The present invention relates to the combination of memantine and baclofen active ingredients and also to the method for achieving body weight loss and thereby treating obesity and related co morbidities by co administration of baclofen and memantine.

No. of Pages : 27 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :28/05/2014

(43) Publication Date : 16/10/2015

# (54) Title of the invention : STEEL FOR MECHANICAL STRUCTURES AND MANUFACTURING METHOD THEREFOR

(51) International classification	:C22C38/00C21D8/06C22C38/06	(71)Name of Applicant :
(31) Priority Document No	:NA	1)JFE STEEL CORPORATION
(32) Priority Date	:NA	Address of Applicant :2 3 Uchisaiwai cho 2 chome Chiyoda ku Tokyo
(33) Name of priority country	:NA	1000011 Japan
(86) International Application No	:PCT/JP2011/006857	(72)Name of Inventor :
Filing Date	:07/12/2011	1)HONJO Minoru
(87) International Publication No	:WO 2013/084265	2)HASE Kazukuni
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

According to the present invention a high strength and high toughness steel for mechanical structures is obtained without tempering and with little alloying said steel comprising a ferrite and pearlite composition and having a component composition that includes 0.35 0.60 mass% C 0.1 1.0 mass% Si 0.1 1.5 mass% Mn not more than 0.025 mass% P not more than 0.025 mass% S 0.01 0.10 mass% Al and not more than 0.0015 mass% O with the remainder comprising unavoidable impurities and Fe and including 10 50% processed ferrite.

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

(22) Date of filing of Application :28/05/2014

(21) Application No.1144/KOLNP/2014 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : APPARATUS AND METHOD FOR MICROPHONE POSITIONING BASED ON A SPATIAL POWER DENSITY

(51) International classification	:H04R3/00	(71)Name of Applicant :
(31) Priority Document No	:11191828.0	1)FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER
(32) Priority Date	:02/12/2011	ANGEWANDTEN FORSCHUNG E.V.
(33) Name of priority country	:EPO	Address of Applicant :Hansastraße 27c 80686 München Germany
(86) International Application No	:PCT/EP2012/073906	(72)Name of Inventor :
Filing Date	:29/11/2012	1)DEL GALDO Giovanni
(87) International Publication No	:WO 2013/079568	2)THIERGART Oliver
(61) Patent of Addition to Application Number	:NA	3)KÜCH Fabian
Filing Date	:NA	4)HABETS Emanuel
(62) Divisional to Application Number	:NA	5)CRACIUN Alexandra
Filing Date	:NA	

(57) Abstract :

An apparatus for microphone positioning is provided. The apparatus comprises a spatial power distribution determiner (10) and a spatial information estimator (20). The spatial power distribution determiner (10) is adapted to determine a spatial power density indicating power values for a plurality of locations of an environment based on sound source information indicating one or more power values and one or more position values of one or more sound sources located in the environment. The spatial information estimator (20) is adapted to estimate acoustic spatial information based on the spatial power density.

No. of Pages : 85 No. of Claims : 16

(22) Date of filing of Application :20/06/2014

(21) Application No.1313/KOLNP/2014 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : SADDLED ELECTRIC VEHICLE			
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:PCT/JP2012/082649 :17/12/2012 :WO 2013/094558 :NA :NA	(71)Name of Applicant : 1)YAMAHA HATSUDOKI KABUSHIKI KAISHA Address of Applicant :2500 Shingai Iwata shi Shizuoka 4388501 Japan (72)Name of Inventor : 1)MIYASHIRO Shidehiko	

(57) Abstract :

A saddled electric vehicle comprising: a seat (29); a footrest section (26a); a leg shield (18); and a receptacle (30) to which a gun type plug (40) can be connected and which is provided at a position facing an opening (A). The opening (A) is provided at a position within the width of the leg shield (18) and between the leg shield (18) and a rear wheel (4); the receptacle (30) is arranged such that a connection port (31) faces upwards; and the receptacle (30) is provided such that a gripping section (43) for the gun type plug (40) is positioned further on the left side of the vehicle than a plug section (42) when the gun type plug (40) is connected to the receptacle (30).

No. of Pages : 50 No. of Claims : 6

(22) Date of filing of Application :20/06/2014

(21) Application No.1314/KOLNP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : SADDLED ELECTRIC VEHICLE

<ul> <li>(86) International Application No FCT/JP2012/082653 (72)Name of Inventor :</li> <li>(87) International Publication No WO 2013/094559</li> <li>(61) Patent of Addition to Application Number Number NA</li> <li>(62) Divisional to Application Number NA</li> <li>Filing Date NA</li> </ul>	<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:PCT/JP2012/082653 :17/12/2012 :WO 2013/094559 :NA :NA :NA	1)YAMAHA HATSUDOKI KABUSHIKI KAISHA Address of Applicant :2500 Shingai Iwata shi Shizuoka 4388501 Japan (72)Name of Inventor :
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(57) Abstract :

A saddled electric vehicle comprising: a seat (29) arranged further forward than a rear wheel (4); a footrest section (26a) that supports from below the leg of a rider seated on the seat (29); stands (51 53) supported between a front wheel (3) and the rear wheel (4) so as to be capable of being swung; a leg shield (18) having a surface that extends in the vertical direction; a receptacle (30) provided so as to face an opening (18d) provided in the leg shield (18); and a vehicle body frame (2) supporting the front wheel (3) the rear wheel (4) the seat (29) the stands (51 53) the leg shield (18) and the receptacle (30). The receptacle (30) is arranged between a grounding point (3a) for the front wheel (3) and the leg shield (18); has a connection port (31) that opens upwards to the left or to the upper left; and is provided so as to transmit to the front wheel (3) force received by the receptacle (30) via the vehicle body frame (2) when a charging plug (40) is inserted.

No. of Pages : 32 No. of Claims : 3

(22) Date of filing of Application :20/06/2014

(21) Application No.1315/KOLNP/2014 A

(43) Publication Date : 16/10/2015

# (54) Title of the invention : REACTOR AND METHOD FOR PRODUCING SYNTHESIS GAS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:B01J8/00C10K1/02C10J3/46 :11194440.1 :20/12/2011 :EPO :PCT/EP2012/075141 :12/12/2012 :WO 2013/092321 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)TETZLAFF Karl Heinz Address of Applicant :Mörikestraße 6 65779 Kelkheim Germany </li> <li>(72)Name of Inventor : 1)TETZLAFF Karl Heinz </li> </ul>
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(57) Abstract :

The invention relates to a reactor (1 15 21 30 40 50) for producing synthesis gas from gaseous hydrocarbons in particular pyrolysis gas and coke particles (3) comprising at least one reaction chamber (2 22 34 43 45 55 60 61 71). In order to be able to significantly increase the dwell time of the coke particles in the reaction chamber while simultaneously achieving low equipment costs inserts (7) providing flow channels (10) angled from the vertical direction are provided at the upper end of the reaction chamber (2 22 34 43 45 55 60 61 71) in order to separate and return coke particles (3) into the reaction chamber (2 22 34 43 45 55 60 61 71) using the force of gravity.

No. of Pages : 25 No. of Claims : 8

(22) Date of filing of Application :29/05/2014

(21) Application No.1160/KOLNP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : MULTI PART INSERT

(51) International classification	:B62D25/04B62D29/00	(71)Name of Applicant :
(31) Priority Document No	:61/564490	1)ZEPHYROS INC.
(32) Priority Date	:29/11/2011	Address of Applicant :160 Mclean Drive Romeo MI 48065 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/US2012/066979	1)RICHARDSON Henry
Filing Date	:29/11/2012	2)SKONIECZNY Dennis
(87) International Publication No	:WO 2013/082238	3)LI Liven
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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(57) Abstract :

An insert comprising; a first carrier portion the first carrier portion including; at least one attachment portion; a non attachment portion; and a portion of a channel the channel being surrounded by the attachment portion and the non attachment portion and extending along all or a portion of the longitudinal axis of the first carrier portion; a second carrier portion the second carrier portion including: at least one attachment portion; a non attachment portion; and a portion of a channel the channel being surrounding by the attachment portion and the non attachment portion and extending along all or a portion of a channel the channel being surrounding by the attachment portion and the non attachment portion and extending along all or a portion of the longitudinal axis of the second carrier portion; wherein the first carrier and the second carrier are attached via the respective at least one attachment portions forming a channel between the first carrier portion and the second carrier portion so that components devices fluids or a combination thereof may pass through ail or a portion of the insert.

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

(19) INDIA

(22) Date of filing of Application :29/05/2014

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : TRIGGERING UNIT FOR ACTUATING A MECHANICAL SWITCHING UNIT OF A DEVICE

(51) International classification	:H01H71/32H01H71/24H01H71/28	(71)Name of Applicant :
(31) Priority Document No	:10 2011 089 251.6	1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date	:20/12/2011	Address of Applicant :Wittelsbacherplatz 2 80333 München Germany
(33) Name of priority country	:Germany	(72)Name of Inventor :
(86) International Application No	:PCT/EP2012/073052	1)FEIL Wolfgang
Filing Date	:20/11/2012	2)MAIER Martin
(87) International Publication No	:WO 2013/092067	3)PFITZNER Klaus
(61) Patent of Addition to Application	n.N.A	
Number	:NA :NA	
Filing Date	.INA	
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	.11/2	

(57) Abstract :

The invention relates to a triggering unit for actuating a mechanical switching unit of a device for the interruption of a supply chain of a consumer. In order to provide an improved triggering unit for a mechanical switching unit it is recommended that the triggering unit comprises a tappet (1) having a moving bearing a power accumulator (2) a holding device (3) and a printed circuit board coil (4) wherein the triggering unit can assume a triggered status and a normal status wherein the tappet (1) is in a first stop position in the triggered state and in a second stop position opposite the first stop position in the normal state wherein in the normal state the first power accumulator (2) acts upon the tappet (1) with a power accumulator force (F1) in the direction of the first stop position and the holding means (3) holds the tappet (1) with a holding force (F2) in the second stop position wherein a printed circuit board coil (4) are formed such that the tappet (1) rests in the second stop position in the inactive state of the printed circuit board coil (4) and through an activation of the printed circuit board coil (4) the tappet (1) assumes the first stop position such that the triggered status is given.

No. of Pages : 31 No. of Claims : 14

(22) Date of filing of Application :09/06/2014

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : METHOD AND DEVICE FOR MEASURING THE LIGHT GAP TIGHTNESS OF PISTON RINGS

(57) Abstract :

The invention relates to a method for measuring the light gap tightness of a piston ring which is provided with a butt joint and has been produced in a non circular manner by tensioning the open piston ring by means of an auxiliary means in the circumferential direction while closing the butt joint to a large extent and by exerting a defined force in the region of at least one of the butt joint ends of the piston ring in the direction of a wall of the auxiliary agent. According to the invention it is determined using optical means whether the force impact region of the piston ring rests against the wall of the auxiliary agent in a light gap tight manner.

No. of Pages : 11 No. of Claims : 9

(22) Date of filing of Application :06/06/2014

(21) Application No.1232/KOLNP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : COATED CUTTING TOOL AND METHOD OF MANUFACTURING THE SAME

(62) Divisional to Application Number :NA Filing Date :NA	11		<ul> <li>(71)Name of Applicant :</li> <li>1)SANDVIK INTELLECTUAL PROPERTY AB Address of Applicant :S 811 81 Sandviken Sweden</li> <li>(72)Name of Inventor :</li> <li>1)BJÖRMANDER Carl</li> </ul>
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(57) Abstract :

The present invention provides a coated cutting tool comprising a substrate and a surface coating wherein said coating comprises a Ti(C N O) layer comprising at least one columnar fine grained MTCVD Ti(C N) layer with an average grain width of 0.05 0.4  $\mu$ m and an atomic ratio of carbon to the sum of carbon and nitrogen (C/(C+N)) contained in said MTCVD Ti(C N) layer is in average 0.50 0.65. A method for manufacturing said coated cutting tool comprising depositing the MTCVD Ti(C N) layer is also provided..

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

(19) INDIA

(22) Date of filing of Application :09/06/2014

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : BIODEGRADABLE IMMOBILIZED ENZYMES AND METHODS OF MAKING THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>Filing Date</li> <li>Filing Date</li> </ul>	:C12N11/02C12N11/00C12N11/08 :61/558758 :11/11/2011 :U.S.A. :PCT/US2012/064797 :13/11/2012 :WO 2013/071284	<ul> <li>(71)Name of Applicant :</li> <li>1)DINOVO Augustine A. Address of Applicant :1003 Clearspring Dr. Charleston SC 29412</li> <li>U.S.A.</li> <li>2)DINOVO Dominis P.</li> <li>3)SCHOFIELD David A.</li> <li>4)SMIECHOWSKI Matthew F.</li> <li>5)VERHOFF Francis H.</li> <li>(72)Name of Inventor :</li> <li>1)DINOVO Augustine A.</li> <li>2)DINOVO Dominis P.</li> <li>3)SCHOFIELD David A.</li> <li>4)SMIECHOWSKI Matthew F.</li> <li>5)VERHOFF Francis H.</li> </ul>
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(57) Abstract :

The present application discloses immobilized enzymes and immobilized enzyme materials comprising a crosslinked enzyme having a support material which includes a biomass material different than the biomass used to initially derive the enzyme. Optionally the immobilized enzyme further includes a polymeric material and/or the biomass which was used to initially derive the enzyme. The resulting immobilized enzyme materials may be biodegradable. The present application also discloses methods of making and using the disclosed immobilized enzyme materials.

No. of Pages : 85 No. of Claims : 30

#### (19) INDIA

(22) Date of filing of Application :09/06/2014

(43) Publication Date : 16/10/2015

### (54) Title of the invention : COMBINATIONS OF ANTIFUNGAL COMPOUNDS AND TEA TREE OIL FOR THE TREATMENT OF OOMYCETES PLANT INFECTION

(51) International classification	:A01N65/28A01P3/00	(71)Name of Applicant :
(31) Priority Document No	:61/557858	1)STOCKTON (ISRAEL) LTD.
(32) Priority Date	:09/11/2011	Address of Applicant :17 HaMefalsim St. P.O.B. 3517 Petach Tikva
(33) Name of priority country	:U.S.A.	4951447 Israel
(86) International Application No	:PCT/IB2012/056260	(72)Name of Inventor :
Filing Date	:08/11/2012	1)REUVENI Moshe
(87) International Publication No	:WO 2013/068958	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

There is disclosed a method for treating a plant infection caused by a fungus of the class oomycetes comprising applying to the plant a combination of tea tree oil (TTO) and a synthetic fungicidal compound. Other embodiments are also disclosed.

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

(22) Date of filing of Application :20/06/2014

(21) Application No.1319/KOLNP/2014 A

(43) Publication Date : 16/10/2015

### (54) Title of the invention : A METHOD OF PRODUCING CINACALCET

		1
(51) International classification	:C07C209/16	(71)Name of Applicant :
(31) Priority Document No	:PV 2011770	1)ZENTIVA K.S.
(32) Priority Date	:25/11/2011	Address of Applicant :U Kabelovny 130 102 37 Praha 10 Czech
(33) Name of priority country	:Czech Republic	Republic
(86) International Application No	:PCT/CZ2012/000119	(72)Name of Inventor :
Filing Date	:21/11/2012	1)VLASAKOVA Ruzena
(87) International Publication No	:WO 2013/075679	2)HAJICEK Josef
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A new efficient method of producing Cinacalcet of formula I and its pharmaceutically acceptable salts which consists in direct alkylation of (R) (1 naphthyl)ethylamine of formula III with 3 [3 (trifluoromethyl)phenyl]propanol of formula II in presence of a catalyst in an inert organic solvent. Use of Cinacalcet of formula I prepared by the claimed method in preparation of pharmaceutically acceptable salts of Cinacalcet.

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

(22) Date of filing of Application :20/06/2014

(54) Title of the invention : UMBILICAL SPLINT AND METHOD OF USE

(21) Application No.1320/KOLNP/2014 A

(43) Publication Date : 16/10/2015

(51) International classification:A61F5/00A6(31) Priority Document No:13/374669(32) Priority Date:06/01/2012(33) Name of priority country:U.S.A.(86) International Application No:PCT/CA2012Filing Date:12/10/2012(87) International Publication No:WO 2013/10(61) Patent of Addition to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NA(63) Date:NA	1)VEKIOS Roula

#### (57) Abstract :

A use of an umbilical splint for shaping an umbilicus after an abdominal operation is described. The umbilical splint may comprise an insertion portion extending in a longitudinal direction and terminating at an insertion end for insertion into the umbilicus. Furthermore the insertion portion may comprise a bulbous section near the insertion end. The bulbous section may be operable to apply pressure to a tissue of the umbilicus after the abdominal operation. The insertion portion may have different cross sectional shapes including circular and oval. Finally the insertion portion may be configured to engage the umbilicus such that the umbilical splint is retained within the umbilicus.

No. of Pages : 41 No. of Claims : 23

(22) Date of filing of Application :06/06/2014

(21) Application No.1224/KOLNP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : TRANSFER ASSEMBLY

(51) International classification	:H01H71/12H01H71/44H01H85/30	(71)Name of Applicant :
(31) Priority Document No	:10 2011 089 062.9	1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date	:19/12/2011	Address of Applicant :Wittelsbacherplatz 2 80333 München Germany
(33) Name of priority country	:Germany	(72)Name of Inventor :
(86) International Application No	:PCT/EP2012/073691	1)ZLYDNIK Rene
Filing Date	:27/11/2012	
(87) International Publication No	:WO 2013/092126	
(61) Patent of Addition to Applicatio	n.NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	.11A	

(57) Abstract :

In order to form a transfer assembly with a simple and cost effective structure for coupling a protection device triggering mechanism to a drive of a switching device with delaying means for delayed triggering of the switching process for the switching device when the protection device has triggered it is proposed that the delaying means has a first lever (2) which is coupled to the protection device triggering mechanism and locks a weight element (4) which can be moved vertically between a first and a second position in the first position via a latch arrangement (5 6) and releases it when the protection device triggers and a second lever (3) which is provided in order to actuate the drive and which can be actuated by the weight element (4); the weight element (4) can be transferred into its second position by means of the weight force thereof and a force exerted onto the weight element (4) by a first spring (8).

No. of Pages : 15 No. of Claims : 6

(22) Date of filing of Application :19/06/2014

#### (43) Publication Date : 16/10/2015

#### (54) Title of the invention : A METHOD FOR THE PREPARATION AND ISOLATION OF SALTS OF VARDENAFIL WITH ACIDS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:C07D487/04A61K31/53A61P15/10 :PV 2011767 :24/11/2011 :Czech Republic :PCT/CZ2012/000120 :26/11/2012 :WO 2013/075680 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ZENTIVA K.S. Address of Applicant :U Kabelovny 130 102 37 Praha 10 Czech Republic</li> <li>(72)Name of Inventor :</li> <li>1)HALAMA Ales</li> <li>2)STRELEC Ivo</li> <li>3)DAMMER Ondrej</li> </ul>
Number Filing Date	:NA :NA	

(57) Abstract :

The subject of this invention provides a method of preparation and isolation of water insoluble or partially soluble salts of vardenafil of formula 1 in particular its salts with acids in the ratio of components 1 : 1 (of formula 2a HA stands for any acid) and of crystalline hydrates of said salts. These solid forms in particular crystalline vardenafil hydrochloride trihydrate of formula 4 can be directly without additional purification used in preparation of a medicine for the therapy of erectile dysfunction. The present solution is based on using water as a suitable medium both for obtaining of extracts of the water soluble forms of vardenafil and for isolation and subsequent crystallization of solid water insoluble or partially soluble salts of vardenafil with acids (1 : 1). Crystallization of the isolated salts takes place after adjustment of pH of the aqueous solutions by means of aqueous solutions of bases or acids wherein no organic solvent or a mixture thereof with water is needed for the crystallization. The method according to this invention reduces costs for organic solvents increases efficiency of isolation of the vardenafil salts with acids and facilitates preparation of poorly stable hydrates of these salts.

No. of Pages : 30 No. of Claims : 13

(22) Date of filing of Application :09/06/2014

(21) Application No.1238/KOLNP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : SOFA BED WITH FACILITATED OPENING PARTICULARLY WITH AUTOMATIC ACTUATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:MI2012A000001 :02/01/2012 :Italy :PCT/EP2012/068259 :17/09/2012 :WO 2013/102502	<ul> <li>(71)Name of Applicant :</li> <li>1)COMODO ITALIA S.R.L. Address of Applicant :Via dellOrzo 53 I 70022 Altamura Italy</li> <li>(72)Name of Inventor :</li> <li>1)BALDASSARRA Dionisio</li> </ul>
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(57) Abstract :

A sofa bed (1a 1b) with facilitated opening particularly with automatic actuation comprising a fixed framework (2) which defines a compartment (7) for accommodating a mattress (8) that can fold into at least four parts and is supported by at least four movable frames (9 10 11 12) one for each one of the parts of the mattress (8) the first movable frame (9) being associated with the fixed framework (2); the four movable frames (9 10 11 12) are mutually articulated sequentially with respect to each other to define a kinematic chain with one degree of freedom which can move between a closed configuration in which the four movable frames (9 10 11 12) are substantially mutually opposite in pairs so as to define a cagelike structure that encloses the mattress (8) folded into at least four parts and an open configuration in which the four movable frames (9 10 11 12) are substantially mutually aligned to define a resting surface on which the unfolded mattress (8) lies.

No. of Pages : 46 No. of Claims : 17

(22) Date of filing of Application :20/06/2014

(21) Application No.1321/KOLNP/2014 A

(43) Publication Date : 16/10/2015

### (54) Title of the invention : TRANSPORT DISTRACTION APPARATUS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:23/11/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)UNIVERSITY OF CAPE TOWN Address of Applicant :Lovers Walk Rondebosch 7700 Cape Town South Africa</li> <li>(72)Name of Inventor :</li> <li>1)VICATOS George</li> </ul>
(87) International Publication No	:WO 2013/076693	2)HENDRICKS Mogamat Rushdie
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)BOONZAIER James Angus
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Transport distraction apparatus for performing transport distraction osteogenesis is provided which includes a track capable of being formed into a curvilinear shape with a carriage movable longitudinally along the track. The carriage has a fixation plate secured or securable to it and at least one gear for moving the carriage along the track in order to adjust its position relative to the length of the track. The track has a series of formations extending along one edge of the track and engaged by the gear which is at least partially accommodated within a space between a plane including the front face of the track and a plane including the rear face of the track. Preferably the apparatus creates a gap between a central region of the track and a patient s bone in use. A fixation plate is also provided.

No. of Pages : 25 No. of Claims : 14

(22) Date of filing of Application :20/06/2014

(21) Application No.1322/KOLNP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : CUTTING TOOL WITH INTERNAL FLUID DELIVERY SYSTEM

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:B23Q11/10B23B27/10 :61/602437 :23/02/2012 :U.S.A. :PCT/IL2013/050221 :10/03/2013 :WO 2013/124859 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ISCAR LTD.</li> <li>Address of Applicant :P.O. Box 11 24959 Tefen Israel</li> <li>(72)Name of Inventor :</li> <li>1)AMSTIBOVITSKY Leonid</li> </ul>
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(57) Abstract :

A cutting tool has an internal cutting tool fluid delivery system. The cutting tool has a tool body and a fluid delivery head coupled thereto by a solid coupling member with a continuous male thread. The tool body includes a body coupling bore and the head includes a head coupling bore which communicates with the body coupling bore. At least one of the body and head coupling bores includes a circumferentially interrupted female thread which has a longitudinal thread axis and a radial outer thread boundary. The or each coupling bore having the female thread includes a thread passage which extends along the thread axis. In an axial cross section of the female thread the thread passage extends both inside and outside the radial outer thread boundary.

No. of Pages : 16 No. of Claims : 12

(22) Date of filing of Application :29/05/2014

(43) Publication Date : 16/10/2015

## (54) Title of the invention : GAS BOTTLE VALVE PROVIDED WITH A FLYWHEEL CONTROLLING A RESIDUAL PRESSURE VALVE AND A STOP VALVE

(51) International classification	:F17C13/04	(71)Name of Applicant :
(31) Priority Document No	:91901	1)LUXEMBOURG PATENT COMPANY S.A.
(32) Priority Date	:15/11/2011	Address of Applicant :24 route de Diekirch L 7440 Lintgen
(33) Name of priority country	:Luxembourg	Luxembourg
(86) International Application No	:PCT/EP2012/072632	(72)Name of Inventor :
Filing Date	:14/11/2012	1)LAMIABLE Morgan
(87) International Publication No	:WO 2013/072372	2)ZODA Adrien
(61) Patent of Addition to Application Number	:NA	3)SCHMITZ Jean Claude
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention concerns a valve 2 for a pressurised gas bottle. Said valve comprises a body 4 with a gas inlet 7 a gas outlet (figures 1 and 2 reference 9) and a gas passage 10 connecting the inlet to the outlet. The valve 2 comprises a device for maintaining residual pressure 38 arranged on the gas passage 10. The valve further comprises a stop valve 14 for closing the gas passage 10 downstream from the device for maintaining residual pressure 38. A flywheel 8 for controlling the valve 2 acts on the stop valve 14 and on the device for maintaining residual pressure 38 via control rods 12 and 36 respectively. The flywheel comprises sliding tracks for the control rods. Said flywheel comprises a first position for filling the bottle wherein the device for maintaining residual pressure 38 is deactivated and the stop valve 14 is open a second position for closing the bottle wherein the device for maintaining residual pressure 38 is activated and the stop valve is closed and a third service position wherein the device for maintaining residual pressure 38 is activated and the stop valve is closed and a third service position wherein the device for maintaining residual pressure 38 is activated and the stop valve is closed and a third service position wherein the device for maintaining residual pressure 38 is activated and the stop valve is closed and a third service position wherein the device for maintaining residual pressure 38 is activated and the stop valve is closed and a third service position wherein the device for maintaining residual pressure 38 is activated and the stop valve is closed and a third service position wherein the device for maintaining residual pressure 38 is activated and the stop valve is closed and a third service position wherein the device for maintaining residual pressure 38 is activated and the stop valve 14 is open.

No. of Pages : 19 No. of Claims : 16

(22) Date of filing of Application :29/05/2014

(21) Application No.1164/KOLNP/2014 A

#### (43) Publication Date : 16/10/2015

(54) Title of the invention : FLUID FLOW ENERGY CONVERTER		
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F03D5/06F03D9/00F03B13/00 :61/585558 :11/01/2012 :U.S.A. :PCT/US2013/021087 :11/01/2013 :WO 2013/106610 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)NEIFELD Richard Address of Applicant :9112 Shearman Street Fairfax VA 22032 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)NEIFELD Richard</li> </ul>

(57) Abstract :

A novel oscillator comprises a curved sheet structure. The curved sheet structure comprises a curved sheet and a tensioner. The curved sheet structure oscillates when the tensioner of the curved sheet structure is extended between two rigidly or semi rigidly fixed points and the curved sheet structure is exposed to a fluid flow. The oscillation results in oscillating tension in the tensioner and oscillating motion of the tensioner in directions perpendicular and parallel to the direction of fluid flow. Energy conversion devices to couple the energy out of the oscillator include a coupling in line with the tensioner and a coupling generally perpendicular to the extension of the tensioner.

No. of Pages : 44 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :10/06/2014

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : HOT ROLLED STEEL SHEET AND PROCESS FOR MANUFACTURING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Detect of Addition to Application</li> </ul>	:C21D9/46B21B3/00C22C38/00 :2011285774 :27/12/2011 :Japan :PCT/JP2012/008239 :25/12/2012 :WO 2013/099206	<ul> <li>1)JFE STEEL CORPORATION Address of Applicant :2 3 Uchisaiwai cho 2 chome Chiyoda ku Tokyo 1000011 Japan</li> <li>(72)Name of Inventor : 1)KOSAKA Noriaki</li> <li>2)FUNAKAWA Yoshimasa</li> </ul>
<ul> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA :NA	3)SHIGEMI Masato 4)OOKUBO Hidekazu 5)KANEMURA Tokunori
Filing Date	:NA :NA	

(57) Abstract :

{ 7000/(T+273)+2.75The present invention pertains to a process for manufacturing a hot rolled steel sheet which comprises: heating a steel raw material that contains in mass% 0.055 to 0.15% of C at most 0.2% of S i at most 1.3% of Mn at most 0.03% of P at most 0.007% of S at most 0.1% of Al at most 0.01% of N and 0.14 to 0.30% of T is o as to satisfy the relationship 1.0 = ([C]/12)/([Ti]/48) (wherein [Ti] = [Ti] 3.4x[N] 1.5x[S]) to a temperature (T) (°C) which is equal to or higher than 1150°C and which satisfies the relationship [Ti] < 10/[C]; keeping the steel raw material in a temperature range down to 1150°C for at least 15 minutes; subjecting the resulting steel raw material to hot rolling wherein the total rolling reduction in a temperature range up to 980°C is 40% or less and the finish rolling temperature is 880°C or higher; cooling the hot rolled steel sheet at a cooling rate of 40 to 200°C/s within three seconds after the completion of the finish rolling; and winding up the cooled steel sheet in a temperature range of 500 to 680°C.

No. of Pages : 64 No. of Claims : 11

(22) Date of filing of Application :28/05/2014

(43) Publication Date : 16/10/2015

## (54) Title of the invention : BREAST IMPLANT WITH LOW COEFFICIENT OF FRICTION BETWEEN INTERNAL SHELLS IN AN AQUEOUS FLUID ENVIRONMENT

(51) International classification	:A61F2/12	(71)Name of Applicant :
(31) Priority Document No	:13/292303	1)IDEAL IMPLANT INCORPORATED
(32) Priority Date	:09/11/2011	Address of Applicant :8345 Walnut Lane Suite 120 Dallas Texas
(33) Name of priority country	:U.S.A.	75231 U.S.A.
(86) International Application No	:PCT/US2012/049887	(72)Name of Inventor :
Filing Date	:08/08/2012	1)HAMAS Robert S.
(87) International Publication No	:WO 2013/070290	2)BACK Dwight D.
(61) Patent of Addition to Application Number	:NA	3)YACOUB Kevin
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A fluid filled surgically implantable prosthetic device encloses one or more non enclosing fitted shells arranged adjacent to and in a graduated relation to each other. The invention relates specifically to implantable breast prostheses with a low coefficient of friction between two or more interacting elastomeric shells in an aqueous fluid environment without the addition of a lubricating agent to the fluid.

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

(22) Date of filing of Application :28/05/2014

(21) Application No.1156/KOLNP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : MESSAGE FORWARDING AMONG DISPARATE COMMUNICATION NETWORKS

(51) International classification	:H04L12/58	(71)Name of Applicant :
(31) Priority Document No	:61/556357	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
(32) Priority Date	:07/11/2011	Address of Applicant :S 164 83 Stockholm Sweden
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/IB2012/055858	1)RONNEKE Hans Bertil
Filing Date	:24/10/2012	2)OLSSON Magnus
(87) International Publication No	:WO 2013/068867	3)HEDMAN Peter
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A method and system for forwarding information to a device in a communication network are disclosed. According to one aspect a method includes selecting a serving node to which to send a request. The selected serving node is one of plurality of serving nodes each of the plurality of serving nodes supporting a different access technology. The request is to transmit one of a short messaging service SMS message and trigger information. The request includes a list of the plurality of nodes. The method further includes sending the request to the selected serving node via a translation interface associated with the selected serving node. The translation interface is adapted to use a protocol that corresponds to the access technology of the selected serving node. If the selected serving node cannot reach the device the request is forwarded to another serving node in the list of serving nodes in the request.

No. of Pages : 26 No. of Claims : 25

#### (19) INDIA

(22) Date of filing of Application :09/06/2014

(43) Publication Date : 16/10/2015

### (54) Title of the invention : PROCESS FOR THE PRODUCTION OF N SUBSTITUTED 2 (ACETYLAMINO) N BENZYL 3 METHOXYPROPANAMIDES

(51) International classification	:C07C237/22	(71)Name of Applicant :
(31) Priority Document No	:11009048.7	1)SANOFI AVENTIS DEUTSCHLAND GMBH
(32) Priority Date	:15/11/2011	Address of Applicant : Brüningstraße 50 65929 Frankfurt am Main
(33) Name of priority country	:EPO	Germany
(86) International Application No	:PCT/EP2012/072548	2)ZENTIVA K.S.
Filing Date	:14/11/2012	(72)Name of Inventor :
(87) International Publication No	:WO 2013/072330	1)WEHLAN Hermut
(61) Patent of Addition to Application Number	:NA	2)ROSSEN Kai
Filing Date	:NA	3)OEHME Jan
(62) Divisional to Application Number	:NA	4)KRAL Vladimir
Filing Date	:NA	

(57) Abstract :

A process for the production of N substituted 2 (acetylamino) N benzyl 3 methoxypropanamides and subsequent treatment with acids is described. This process can be used for the production of (R) Lacosamide.

No. of Pages : 40 No. of Claims : 23

(19) INDIA

(22) Date of filing of Application :09/06/2014

#### (21) Application No.1248/KOLNP/2014 A

(43) Publication Date : 16/10/2015

### (54) Title of the invention : ELECTRODE ASSEMBLY METHOD FOR MANUFACTURING SAME AND BATTERY CHARGING AND DISCHARGING METHOD

(51) International classification	:H01M10/04H01M4/64H01M4/04	(71)Name of Applicant :
(31) Priority Document No	:1020110120523	1)SHINE CO. LTD
(32) Priority Date	:17/11/2011	Address of Applicant :192 12 Jeonpo dong jin gu Busan 614 865
(33) Name of priority country	:Republic of Korea	Republic of Korea
(86) International Application No	:PCT/KR2012/009386	(72)Name of Inventor :
Filing Date	:08/11/2012	1)KIM Chang Hyeon
(87) International Publication No	:WO 2013/073795	2)SHIN Lee Hyun
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to an electrode assembly to a method for manufacturing same and to a battery charging and discharging method. The electrode assembly according to one embodiment of the present invention includes: an electrode collector wherein a first electrical active material layer is stacked on the electrode collector; and a first porous conductive network layer of which at least one portion is recessed into the first electrical active material active material layer wherein the first porous conductive network layer is stacked on the circumferential surface opposite to that of the first electrical active material layer contacting the electrode collector.

No. of Pages : 36 No. of Claims : 24

(22) Date of filing of Application :09/06/2014

(21) Application No.1249/KOLNP/2014 A

(43) Publication Date : 16/10/2015

(54) Title of the invention : SYSTEM AND METHOD FOR DISTRIBUTING SMS MESSAGES

(51) International classification	:H04W4/12	(71)Name of Applicant :
(31) Priority Document No	:13/300280	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
(32) Priority Date	:18/11/2011	Address of Applicant :SE 164 83 Stockholm Sweden
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/IB2012/052203	1)ZHU Zhongwen
Filing Date	:02/05/2012	2)GOSSELIN Nicolas
(87) International Publication No	:WO 2013/072780	3)ANDRADE Dilip
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An instant messaging service is provided using short message service (SMS) messages as the underlying transport layer. A user having a phone to which an MSISDN is assigned can use another entity to generate messages to be transmitted as if they originated from the phone. The SMS message is delivered to the second party s phone as per a normal SMS message and a copy of the SMS message can also be delivered to the sender s phone to provide a full conversation history on all devices. The entity can also be used to receive SMS messages in which case delivery of SMS messages to the phone to which the MSISDN is assigned can be suspend to avoid a duplicate notification of incoming messages.

No. of Pages : 36 No. of Claims : 19

(22) Date of filing of Application :24/06/2014

(21) Application No.1339/KOLNP/2014 A

(43) Publication Date : 16/10/2015

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:A61H19/00 :13/341966 :31/12/2011 :U.S.A. :PCT/IL2012/050561 :30/12/2012 :WO 2013/098824 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)GOLAN Shoham Address of Applicant :23 Ezra Street 42427 Netanya Israel</li> <li>(72)Name of Inventor :</li> <li>1)GOLAN Shoham</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (54) Title of the invention : A SEXUAL AID DEVICE WITH AUTOMATIC OPERATION

#### (57) Abstract :

A sexual aid device for allowing a user being a first party of sexual relationship with a second party to simulate the physiologic reaction of the penis of a human male. The proposed sexual aid device comprises a hollow penis body made of flexible or semi rigid material and containing a plurality of telescopic sections for causing the penis body to be in its erected state when the telescopic sections are maximally propagated and for allowing the penis body to be in its descended default state when the telescopic sections are maximally contracted; a simulated scrotum made of flexible or semi rigid material having a compartment for containing means for powering the propagation and contraction of the telescopic sections; means for providing a driving force required for powering the propagation and contraction of the telescopic sections; sensors located on the penis body for detecting physical contact of the penis body with the body of the second party; a controller for controlling the driving force to cause the telescopic sections to maximally propagate according to input signals received from the sensors and to time and to return to be maximally contracted after a predetermined time; a power source for powering the controller and for generating the driving force; and means for attaching the sexual aid device to the body of the first party.

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

#### (19) INDIA

(22) Date of filing of Application :03/06/2014

#### (43) Publication Date : 16/10/2015

#### (54) Title of the invention : METHOD FOR CONTROLLING SYSTEM BAR OF USER EQUIPMENT AND USER EQUIPMENT THEREOF

(51) International classification (31) Priority Document No	:G06F3/0488 :201210245439.1	(71)Name of Applicant : 1)HUAWEI DEVICE CO. LTD.
(32) Priority Date	:16/07/2012	Address of Applicant :Building B2 Huawei Industrial Base Bantian
(33) Name of priority country	:China	Longgang Shenzhen Guangdong 518129 China
(86) International Application No	:PCT/CN2013/079291	(72)Name of Inventor :
Filing Date	:12/07/2013	1)DING Yi
(87) International Publication No	:WO 2014/012462	2)WU Bin
(61) Patent of Addition to Application Number	:NA	3)HE Feng
Filing Date	:NA	4)YIN Hang
(62) Divisional to Application Number	:NA	5)KE Yuandan
Filing Date	:NA	6)GUO Zejin

#### (57) Abstract :

The embodiment of the present invention provides a method of controlling the system bar of user equipment and the user equipment thereof. The method includes: detecting a display state of the system bar wherein the system bar is used for indicating system level information or providing system level virtual operating button and presenting in an appointed display area of a screen; accepting a first input used for selecting a hidden button from an input unit to hide the system bar when the system bar is displayed on the user equipment screen and the hidden button is included in the displayed system bar; or accepting a second input from an input unit to display the system bar when the system bar is not displayed on the user equipment screen wherein the second input is a track from the edge of the screen moving to the center of the screen. By invoking or hiding the system bar integrating a variety of information and / or convenient buttons flexibly in the technical solutions the screen can be used for displaying content to the greatest degree and screen utilization can be improved.

No. of Pages : 62 No. of Claims : 22

(22) Date of filing of Application :13/06/2014

(21) Application No.1283/KOLNP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : METHOD OF SECURING A COMPUTING DEVICE

(51) Internetional aleration	-C0(E21/(2	(71)Nouse of Ameliant
(51) International classification	:G06F21/62	(71)Name of Applicant :
(31) Priority Document No	:1119683.9	1)ROSBERG SYSTEM AS
(32) Priority Date	:15/11/2011	Address of Applicant :PO Box 26 N 5542 Karmsund Norevegen
(33) Name of priority country	:U.K.	Norway
(86) International Application No	:PCT/EP2012/072781	(72)Name of Inventor :
Filing Date	:15/11/2012	1)RAMALLO Nestor Mario
(87) International Publication No	:WO 2013/072433	2)ROSBERG Odd Helge
(61) Patent of Addition to Application Number	:NA	3)BRAATHEN Alf Kenneth
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method of securing a computing device is disclosed. The computing device is configured to store an access key in a storage location in order for the computing device to operate in an operational mode. The method comprises removing the access key from the storage location in response to an event indicative of the end of the operational mode.

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

(19) INDIA

(22) Date of filing of Application :10/06/2014

#### (43) Publication Date : 16/10/2015

### (54) Title of the invention : COUPLER WITH CATIONIC 7 AMINO 1 2 3 4 TETRAHYDROQUINOLINE STRUCTURE DYEING COMPOSITION COMPRISING SAME PROCESSES AND USES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:C07D215/38C07D401/06C07D401/12 :1161793 :16/12/2011 :France :PCT/EP2012/075809 :17/12/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)LOREAL Address of Applicant :14 rue Royale F 75008 Paris France </li> <li>(72)Name of Inventor : 1)FADLI Aziz </li> </ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:WO 2013/087931 :NA :NA	
Number Filing Date	:NA :NA	

(57) Abstract :

16+ abThe invention relates to the use of specific heterocyclic couplers which are cationic 7 amino 1 2 3 4 tetrahydroquinoline derivatives of formula (I) for dyeing keratin fibres such as the hair: in which formula (I): R to R CAT An and R to R are as defined in the description.

No. of Pages : 52 No. of Claims : 17

(22) Date of filing of Application :10/06/2014

(21) Application No.1257/KOLNP/2014 A

(43) Publication Date : 16/10/2015

#### (54) Title of the invention : BLAST FURNACE OPERATION METHOD

(51) International classification	:C21B5/00C21B7/00	(71)Name of Applicant :
(31) Priority Document No	:2011279955	1)JFE STEEL CORPORATION
(32) Priority Date	:21/12/2011	Address of Applicant :2 3 Uchisaiwai cho 2 chome Chiyoda ku Tokyo
(33) Name of priority country	:Japan	1000011 Japan
(86) International Application No	:PCT/JP2012/055886	(72)Name of Inventor :
Filing Date	:01/03/2012	1)MURAO Akinori
(87) International Publication No	:WO 2013/094229	2)FUJIWARA Daiki
(61) Patent of Addition to Application Number	:NA	3)WATAKABE Shiro
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

2A blast furnace operation method whereby the combustion temperature can be increased even if the volatile amount of pulverized coal is no more than 25 mass% and a high pulverized coal ratio operation is being used whereby the pulverized coal ratio is at least 150 kg/t and as a result CO emissions can be reduced by: using a double piped lance (4) for blowing in fuel from a tuyere (3); blowing in the pulverized coal from the inner pipe of the double piped lance (4); blowing in oxygen from the outer pipe of the double piped lance (4); and having the oxygen concentration being at least 35 vol% for the gas comprising the carrier gas for the pulverized coal and the gas blown in from the outer pipe. In addition the oxygen concentration is less than 70 vol% when the pulverized coal ratio is at least 170 kg/t. Furthermore increased concentration of pulverized coal flow is prevented and fuel efficiency can be maintained by arranging the double piped lance (4) such that the pulverized coal flows blown in from the two pipes of the double piped lance (4) do not overlap.

No. of Pages : 51 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :10/06/2014

(43) Publication Date : 16/10/2015

### (54) Title of the invention : COMPOSITION BASED ON A POWDER OF INDIGO YIELDING PLANT(S) AND ON OIL(S) AND/OR BUTTER(S) AND HAIR DYEING PROCESS USING THIS COMPOSITION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:A61K8/92A61K8/97A61Q5/06 :1161383 :09/12/2011 :France :PCT/EP2012/074654 :06/12/2012 :WO 2013/083699	<ul> <li>(71)Name of Applicant :</li> <li>1)LOREAL Address of Applicant :14 rue Royale F 75008 Paris France </li> <li>(72)Name of Inventor : 1)POURILLE Chrystel </li> </ul>
<ul> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	

(57) Abstract :

The invention relates to a composition A which is preferably compact and/or anhydrous comprising at least 20% of powder of indigo yielding plant(s) and at least one oil and/or one butter and also to an aqueous composition B preferably in the form of a poultice for dyeing keratin fibres to the process for dyeing keratin fibres by treating said fibres with said composition and to the use of the composition and of a poultice for dyeing keratin fibres. Compositions A and B according to the invention make it possible to dye keratin fibres with strong and chromatic dyeing results that are resistant to washing perspiration sebum and light and that are moreover long lasting without impairing said fibres. Furthermore the use of compositions A and B does not give off any raw material dust (dust free). These compositions are easy to use in total safety and with no risk of staining. In addition composition A and the dyeing active agent remain stable on storage. The treated keratin fibres have a very pleasant aesthetic appearance and their integrity is respected.

No. of Pages : 30 No. of Claims : 22

(22) Date of filing of Application :24/06/2014

(21) Application No.1340/KOLNP/2014 A

(43) Publication Date : 16/10/2015

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:G06F17/30 :201310222370.5 :06/06/2013 :China :PCT/CN2014/071030 :21/01/2014	<ul> <li>(71)Name of Applicant :</li> <li>1)HUAWEI TECHNOLOGIES CO. LTD. Address of Applicant :Huawei Administration Building Bantian Longgang Shenzhen Guangdong 518129 China</li> <li>(72)Name of Inventor :</li> </ul>
Filing Date (87) International Publication No (61) Patent of Addition to Application Number	:WO 2014/194678 :NA	1)NIE Yuanyuan 2)LIU Huijun 3)WANG Chuanting
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (54) Title of the invention : LOCK OPERATION METHOD OF DATABASE SYSTEM AND DEVICE

(57) Abstract :

An embodiment of the present invention discloses a lock operation method of a database system. The method comprises: a first processing node acquiring a lock operand of a target lock; the first processing node performing a locking operation on a target data object by using the target lock; and when the lock operand meets a condition of an successful locking operation the first processing node determining that the locking operation is successful and updating a value used for indicating a state of the target lock on the first processing node of a data bit in the lock operand to a value used for indicating state on the first processing node. Correspondingly an embodiment of the present invention also discloses a node device. By using the embodiments of the present invention performance of a database system can be improved.

No. of Pages : 93 No. of Claims : 16

#### (19) INDIA

(22) Date of filing of Application :25/06/2014

(43) Publication Date : 16/10/2015

### (54) Title of the invention : METHODS OF PRESERVING INJECTABLE PHARMACEUTICAL COMPOSITIONS COMPRISING A CYCLODEXTRIN AND A HYDROPHOBIC DRUG

(51) International classification	:A61K31/702C08L5/16	(71)Name of Applicant :
(31) Priority Document No	:2011904970	1)JUROX PTY LTD
(32) Priority Date	:29/11/2011	Address of Applicant :85 Gardiner Street Rutherford NSW 2320
(33) Name of priority country	:Australia	Australia
(86) International Application No	:PCT/AU2012/001452	(72)Name of Inventor :
Filing Date	:27/11/2012	1)PASLOSKE Kirby Shawn
(87) International Publication No	:WO 2013/078500	2)LAU Kai
(61) Patent of Addition to Application Number	:NA	3)RICHARDSON Sarah Jane
Filing Date	:NA	4)WILLIS Amanda Aileen
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to injectable pharmaceutical compositions methods of use and formulation wherein the compositions comprise: one or more water soluble complexes each complex comprising a cyclodextrin or a cyclodextrin derivative and a hydrophobic drug; at least one preservative; and at least one co solvent. The compositions are effectively preserved in accordance with the European Pharmacopoeia 2011 Test for Efficacy of Antimicrobial Preservation satisfying at least the B criteria as it applies to parenterals and the United States Pharmacopeia 2011 Guidelines for Antimicrobial Effectiveness Testing satisfying the criteria for Category 1 (injectable) products.

No. of Pages : 60 No. of Claims : 42

(19) INDIA

(22) Date of filing of Application :25/06/2014

#### (21) Application No.1351/KOLNP/2014 A

(43) Publication Date : 16/10/2015

### (54) Title of the invention : PROCESS FOR OPTICAL COHERENCE TOMOGRAPHY AND APPARATUS FOR OPTICAL COHERENCE TOMOGRAPHY

(51) International classification	:A61B3/10A61B3/00G06T7/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)WAVELIGHT GMBH
(32) Priority Date	:NA	Address of Applicant : Am Wolfsmantel 5 91058 Erlangen Germany
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:PCT/EP2011/006594	1)MASSOW Ole
Filing Date	:28/12/2011	2)WISWEH Henning
(87) International Publication No	:WO 2013/097877	3)JEGLORZ Tobias
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In a process for optical coherence tomography a plurality of first OCT slice images (34) each first slice image representing a different slice of an object (12) are recorded. Subsequently a reference figure (44) that is representative of the three dimensional contour of at least one structural feature (36) of the object (12) in a given three dimensional coordinate system x y z is ascertained by feature recognition of the at least one structural feature (36) in the first slice images (34). Then a plurality of second OCT slice images (46) each second slice image representing a different slice of the object (12) are recorded. At least a fraction of the second slice images (46) are displaced in the coordinate system x y z until each second slice image (46) is in feature overlap with the reference figure (44). Lastly a set of three dimensional OCT image data is generated at least from the feature overlapped second slice images (46).

No. of Pages : 35 No. of Claims : 24

#### (19) INDIA

(22) Date of filing of Application :20/06/2011

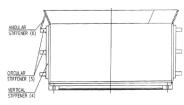
(43) Publication Date : 16/10/2015

## (54) Title of the invention : A PROCESS OF PRODUCING A HARD FACE ON A VERY THIN BUT LARGE DIAMETER STAINLESS STEEL VESSEL MAINTAINING STRINGENT DIMENSIONAL REQUIREMENT

(51) International classification	:C21D8/06	(71)Name of Applicant :
(31) Priority Document No	:NA	1)BHARAT HEAVY ELECTRICALS LIMITED
(32) Priority Date	:NA	Address of Applicant : AT REGIONAL OPERATIONS DIVISION
(33) Name of priority country	:NA	(ROD) PLOT NO: 9/1 DJ BLOCK 3RD FLOOR KARUNAMOYEE
(86) International Application No	:NA	SALT LAKE CITY KOLKATA-700091 HAVING ITS REGISTERED
Filing Date	:NA	OFFICE AT BHEL HOUSE SIRI FORT NEW DELHI-110049 INDIA
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)VENUGOPAL RAMESH
Filing Date	:NA	2)SUBRAMANIAN RAVIKRISHNAMOORTHY
(62) Divisional to Application Number	:NA	3)KANDAN MARIRAJ ANAND
Filing Date	:NA	

(57) Abstract :

The a process of producing a hard face on a very thin but large diameter stainless steel vessel maintaining stringent dimensional requirement on the hard faced ID section. Plasma transferred arc welding (PTAW) process is employed for depositing the hard face material on to the SS vessel. For effective bonding of hard face material to the SS vessel the vessel assembly is heated to a very high temperature. Immediately after coating the vessel assembly is heat treated to remove the thermal stresses. The large difference in coefficient of expansion of SS vessel assembly and coated material concerns the production of defect free and distortion in the vessel shape. Suggested rate of heating and cooling employed in the coating process resulted in vessel is heavily deviated and also crack is generated on the entire surface of coated section. The process of production of defect free on the coated material is achieved by controlling and lowering the rate of heating and cooling during preheating PTAW heat treatment and cooling process. Lower rate of heating /cooling using temperature controllers resulted in lowering rate of differential expansion/contraction of vessel assembly and the hard faced coated material favored the defect free coating. Marginal increase of internal diameter of the vessel before coating process resulted in achieving the desired final dimension after coating and final machining. Vessel shrinkage and retaining the circularity problem is overcome by welding temporary circular thick stiffening ring over the vertical stiffeners at three elevations. After coating these stiffeners are removed and the assembly is corrected for ovality within 1 mm and the assembly is finally machined for inner surface.



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

### PUBLICATION U/R 84[3] IN RESPECT OF APPLICATION FOR RESTORATION OF PATENTS (KOLKATA)

Notice is hereby given that any person interested in opposing the following applications for Restoration of Patents under Section 60 of the Patent Act 1970 may at any time within 2 months from the date of publication of this notice give notice to the Controller of Patents at the appropriate office on the prescribed Form 14 under rule 85 of the Patents Rules 2003.

Patent No.	Applicants	Title	Date of Cessation	Appropriate Office
260455	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	METHOD AND APPARATUS FOR CALCULATING WHITENING FILTERS IN COMMUNICATION SIGNAL PROCESSING APPLICATION	12/09/2014	KOLKATA

### PUBLICATION U/S.60 IN RESPECT OF APPLICATION FOR RESTORATION OF PATENTS (KOLKATA)

Notice is hereby given that application for restoration of under mentioned Patents have been allowed and said Patents are restored.

SI. No.	Application No.	Patent No.	Applicants	Title	Date of Publication U/R.84(3)	Appropriate Office
1.	1672/CAL/1995	205281	WARNER CHILCOTT (IRELAND) LIMITED	INTRAVAGINAL DRUG DELIVERY DEVICES FOR THE ADMINISTRATION OF 17B OESTRADIOL PRECURSORS	21/11/2014	Kolkata

### **Publication Under Section 43(2) in Respect of the Grant**

# Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue give notice to the Controller of Patents at the appropriate office on the prescribed form-7 along with written statement and evidence if any.

Ser ial Nu mb er	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Approp riate Office
1	269204	2393/DEL/2004	30/11/2004		IMMOBILIZATION OF PROTEINS ONTO SOLID SUPPORT AND ITS PROCESS THEREOF	M.D. UNIVERSITY	08/09/2006	DELHI
2	269205	9471/DELNP/20 07	12/05/2006	12/05/2005	ENZYMATIC SYNTHESIS OF SULFATED POLYSACCHARIDES	(1) THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL (2) RENSSELAER POLYTECHNIC INSTITUTE	27/06/2008	DELHI
3	269206	6090/DELNP/20 05	08/12/2000	10/12/1999	AN ORALLY ADMINISTRABLE COMPOSITION USEFUL FOR TREATING OR AMELORATING THE RISK OF DIGESTIVE TRACT INFECTION	CHEMIMAGE CORPORATION	09/05/2008	DELHI
4	269207	2015/DEL/2006	11/09/2006 14:30:09		DEVICE FOR CLOSING OF CONTACTS OF A CIRCUIT BREAKER	AUTOMETERS ALLIANCE LTD.	04/04/2008	DELHI
5	269210	6737/DELNP/20 08	19/02/2007	21/02/2006	LAMP	OSRAM GmbH a German Company	24/10/2008	DELHI
6	269212	130/DELNP/200 7	14/07/2005	14/07/2004	ONE PIECE SQUEEZABLE CONTAINER	NESTEC S.A.	03/08/2007	DELHI
7	269213	6736/DELNP/20 08	19/02/2007	21/02/2006	LAMP BASE AND LAMP COMPRISING SAID LAMP BASE	OSRAM GmbH	24/10/2008	DELHI
8	269215	8913/DELNP/20 08	13/04/2007	13/04/2006	METHOD FOR PRODUCING A FUSION PARTNER CELL	MEDICAL & BIOLOGICAL LABORATORIES CO.LTDYAMAMOTO NAOMASA	20/03/2009	DELHI
9	269218	548/DEL/2009	23/03/2009 12:30:20	01/04/2008	NEW DIOSMETIN COMPOUNDS A PROCESS FOR THEIR PREPARATION AND PHARMACEUTICAL COMPOSITIONS CONTAINING THEM	LES LABORATOIRES SERVIER	09/10/2009	DELHI
10	269242	2220/DELNP/20 08	26/03/2004	26/03/2003	PUFA POLYKETIDE SYNTHASE SYSTEMS AND USES THEREOF	DSM IP ASSETS B.V.	04/07/2008	DELHI

11	269247	4595/DELNP/20 06	28/02/2005	03/03/2004	A FLOWABLE MATERIALS CONVEYANCE ASSEMBLY	BAXTER INTERNATIONAL INC.BAXTER HEALTHCARE S.A.	24/08/2007	DELHI
12	269250	2931/DELNP/20 07	12/10/2005	29/10/2004	AN ANIMAL PROTEIN- FREE CELL CULTURE MEDIUM	BAXTER INTERNATIONAL INC.BAXTER HEALTHCARE S.A	17/08/2007	DELHI
13	269251	5998/DELNP/20 06	18/03/2005	24/03/2004	VLPS COMPRISING OF HPV 52 L1 AND USES THEREOF	MERCK SHARP & DOHME CORP	24/08/2007	DELHI
14	269254	9897/DELNP/20 07	26/05/2006	27/05/2005	BONE MORPHOGENETIC PROTEINS CONTAINING A HEPARIN BINDING SITE AND OSTEOGENIC DEVICES AND PHARMACEUTICAL PRODUCTS CONTAINING THEREOF	BBS-BIOACTIVE BONE SUBSTITUTES OY	20/06/2008	DELHI
15	269255	4949/DELNP/20 06	04/03/2005	01/04/2004	FUEL CELL REACTANT FLOW FIELDS THAT MAXIMIZE PLANFORM UTILIZATION	BALLARD POWER SYSTEMS INC.	13/07/2007	DELHI
16	269256	4508/DELNP/20 08	13/12/2006	13/12/2005	METHOD AND APPARATUS RANGE EXTENSION FOR A WIRELESS LOCAL AREA NETWORK	QUALCOMM INCORPORATED	15/08/2008	DELHI
17	269259	5550/DELNP/20 07	20/01/2006	21/01/2005	A MULTIFUNCTIONALMOL DING COMPOSITION	MULTISORB TECHNOLOGIES INC.	17/08/2007	DELHI
18	269261	2728/DELNP/200 7	30/09/2005	13/10/2004	COMPOSITIONS AND METHODS OF FORMULATION FOR ENTERAL FORMULAS CONTAINING SIALIC ACID	MJN U.S. HOLDINGS LLC	03/08/2007	DELHI
19	269267	1889/DEL/2007	06/09/2007 14:51:40	12/12/2006	ELECTRONIC PRESSURE REDUCER OR REGULATOR UNIT FOR FEEDING GAS PARTICULARLY MATHANE OR HYDROGEN TO AN INTERNAL COMBUSTION ENGINE AND GAS FEEDING SYSTEM INCLUDING THIS UNIT	C.R.F. SOCIETA CONSORTILE PER AZIONI	29/08/2008	DELHI
20	269268	8657/DELNP/20 08	16/04/2007	17/04/2006	PROCESS FOR PRODUCING PURIFIED GREEN TEA EXTRACT	KAO CORPORATION	15/05/2009	DELHI
21	269271	3849/DELNP/20 04	16/02/2001	12/02/2001	A RESEALABLE STOPPER FOR SEALING A PREDETERMINED SUBSTANCE WITHIN A CONTAINER	MEDICAL INSTILL TECHNOLOGIES INC.	20/11/2009	DELHI

22	269273	3773/DELNP/20 06	29/12/2004	30/12/2003	HORIZONTALLY ADJUSTABLE ARMREST ASSEMBLY FOR A CHAIR	HNI TECHNOLOGIES INC.	13/07/2007	DELHI
23	269277	3631/DELNP/20 07	07/10/2005	30/11/2004	TRICHODERMA REESEI GLUCOAMYLASE AND HOMOLOGS THEREOF	GENENCOR INTERNATIONAL INC.	24/08/2007	DELHI
24	269285	6574/DELNP/20 07	21/02/2006	02/03/2005	PYRAZOLYLCARBOXANI LIDES	BAYER CROPSCIENCE AG	21/09/2007	DELHI
25	269295	3732/DELNP/20 07	02/11/2005	02/11/2004	HUMAN INTERFERON - BETA MUTEIN	SHIN YOUNG KEE	24/08/2007	DELHI
26	269297	992/DELNP/200 4	12/11/2002	07/12/2001	CLOSURE WITH PRESSURE-ACTUATED VALVE AND LID SEAL	SEAQUIST CLOSURES FOREIGN INC.	04/08/2006	DELHI
27	269298	2844/DELNP/20 04	23/01/2003	03/04/2002	A CATHETER FOR OPENING A PATHWAY IN THE CERVICAL TRACT OF A SOW AND DEPOSITING AN ARTIFICIAL INSEMINATION FLUID INTO THE SOW	PATHWAY TECHNOLOGIES LLC	13/11/2009	DELHI
28	269300	6105/DELNP/20 06	19/04/2005	11/05/2004	A METHOD OF PREPARING A PARTICULATE REFRACTORY COMPOSITION FOR USE IN THE MANUFACTURE OF FOUNDRY MOULDS AND CORES	ASHLAND LICENSING AND INTELLECTUAL PROPERTY LLC	31/08/2007	DELHI
29	269301	8151/DELNP/20 07	27/03/2006	22/04/2005	PARAMETERIZABLE DIGITAL PFC (POWER FACTOR CORRELATION)	TRIDONICATCO GMBH & CO.KG	04/07/2008	DELHI
30	269302	5993/DELNP/20 06	25/03/2005	26/03/2004	TRACTOR	YANMAR CO. LTD	24/08/2007	DELHI
31	269304	6014/DELNP/20 06	11/07/2005	14/07/2004	A METHOD AND APPARATUS OF OPERATING A SATELLITE RADIOTELEPHONE COMMUNICATIONS SYSTEM	ATC TECHNOLOGIES LLC.	24/08/2007	DELHI
32	269306	914/DEL/2005	11/04/2005	22/04/2004	RENDERING DIGITAL CONTENT IN A CONTENT PROTECTION SYSTEM ACCORDING TO A PLURALITY OF CHAINED DIGITAL LICENSES	MICROSOFT TECHNOLOGY LICENSINGLLC	01/12/2006	DELHI
33	269308	7488/DELNP/20 06	26/05/2005	26/05/2004	BIOSENSOR USING WHISPERING GALLERY MODES IN MICROSPHERES	GENERA BIOSYSTEMS LIMITEDPAUL MULVANEY	31/08/2007	DELHI
34	269311	2623/DEL/2008	20/11/2008 14:28:13		NOVEL ANTIMICROBIALS	PANACEA BIOTEC LIMITED	28/05/2010	DELHI

35	269314	573/DEL/2005	16/03/2005	01/12/2004	PATH-CHANGING DEVICE FOR VEHICLES ON PNEUMATIC- TYRED WHEELS	VOSSLOH COGIFER [SA]	01/12/2006	DELHI
36	269318	7640/DELNP/20 07	29/03/2006	06/04/2005	IMPROVED STABLY TETHERED STRUCTURES OF DEFINED COMPOSITIONS WITH MULTIPLE FUNCTIONS OR BINDING SPECIFICITIES	IBC PHARMACEUTICALS INC.	09/11/2007	DELHI
37	269324	6440/DELNP/20 06	04/04/2005	04/05/2004	SPOOL HAVING PLURALITY OF TAPS	SEW-EURODRIVE GMBH & CO. KG	31/08/2007	DELHI
38	269326	3395/DELNP/20 08	05/10/2006	24/10/2005	METHOD AND DEVICE FOR CHARGING FEEDSTOCK.	SIEMENS VAI METALS TECHNOLOGIES GMBH	01/08/2008	DELHI
39	269329	5433/DELNP/20 10	21/01/2009	31/01/2008	PIGMENT DISPERSANT	PPG INDUSTRIES OHIO INC.	03/02/2012	DELHI
40	269330	7223/DELNP/20 06	16/06/2005	18/06/2004	AN ULTRA SOUND DENTAL SCALAR APPLIANCE	SOCIETE POUR LA CONCEPTION DES APPLICATIONS DES TECHNIQUES ELECTRONIQUES	17/08/2007	DELHI
41	269331	1265/DEL/2004	08/07/2004	10/07/2003	A DEVICE FOR PIVOTALLY GUIDING VARIABLE-PITCH VANES IN A TURBOMACHINE	SNECMA	30/06/2006	DELHI
42	269332	3243/DELNP/20 07	04/10/2004	04/10/2004	ELASTICALLY EXTENSIBLE POLY-V TRANSMISSION BELT FOR DRIVING ACCESSORIES OF AN INTERNAL COMBUSTION ENGINE	DAYCO EUROPE S.R.L. CON UNICO SOCIO	24/08/2007	DELHI

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Seri al Nu mbe r	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriat e Office
1	269209	2138/MUMNP/2011	19/04/2010	20/04/2009	METHOD FOR CLEANING FILTERING MEMBRANE	KOLON INDUSTRIES INC.	03/02/2012	MUMBAI
2	269211	1258/MUM/2007	03/07/2007		A VISCOSE THERMOREGULATORY FIBER AND A METHOD OF MAKING THEREOF	ADITYA BIRLA SCIENCE & TECHNOLOGY CO. LTD.	12/06/2009	MUMBAI
3	269216	599/MUMNP/2009	10/10/2007	10/10/2006	DYNAMIC WORD LINE DRIVERS AND DECODERS FOR MEMORY ARRAYS •	QUALCOMM INCORPORATED	22/05/2009	MUMBAI
4	269224	502/MUMNP/2009	09/10/2007	11/10/2006	CONCURRENT READING OF STATUS REGISTERS •	QUALCOMM INCORPORATED	22/05/2009	MUMBAI
5	269225	643/MUMNP/2009	23/10/2007	23/10/2006	SIGNALLING OF MAXIMUM DYNAMIC RANGE OF INVERSE DISCRETE COSINE TRANSFORM •	QUALCOMM INCORPORATED	22/05/2009	MUMBAI
6	269248	466/MUMNP/2010	13/08/2008	13/08/2007	PROCESS FOR CONVERTING ALIPHATIC OXYGENATES TO AROMATICS •	SAUDI BASIC INDUSTRIES CORPORATION	30/07/2010	MUMBAI
7	269257	1829/MUMNP/2007	05/05/2006	06/05/2005	TRANSFER DEVICE FOR SUPPORTING AND TRANSPORTING DEVICES	American Sterilizer Company	23/11/2007	MUMBAI
8	269284	2359/MUM/2007	30/11/2007 15:15:45		ASYMMETRIC SYNTHESIS OF Y- NITROPHOSPHONATES IN THE ABSENCE OF ANY OTHER CHIRAL CATALYST	INDIAN INSTITUTE OF TECHNOLOGY	12/06/2009	MUMBAI
9	269288	1448/MUM/2005	21/11/2005		DEVICE AND METHOD FOR JOINING PIPES	LARSEN & TOUBRO LIMITED	10/08/2007	MUMBAI
10	269316	310/MUMNP/2011	16/09/2009	19/12/2008	MICROPOROUS POLYMER MEMBRANE MODIFIED BY AQUEOUS POLYMER MANUFACTURING METHOD AND USE THEREOF	CHANGZHOU ZHONGKE LAIFANG POWER DEVELOPMENT CO. LTD.	12/08/2011	MUMBAI

11	269320	859/MUM/2009	31/03/2009 16:59:07	BREATH ALCOHOL SENSOR	UNITED PHOSPHORUS LIMITED	19/06/2009	MUMBAI
12	269325	2544/MUM/2007	24/12/2007 15:55:38	PROCESS FOR PRODUCTION AND QUANTITATION OF HIGH YIELD OF BIOBUTANOL	RELIANCE LIFE SCIENCES PRIVATE LIMITED	03/07/2009	MUMBAI

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Ser ial Nu mb er	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	269203	6551/CHENP/2009	07/05/2008	08/05/2007	ELECTRICAL INSULATION FILM	BOREALIS TECHNOLOGY OY	26/02/2010	CHENNAI
2	269214	3920/CHENP/2007	03/03/2006	09/03/2005	CO-OXIDATION PROMOTERS FOR USE IN FCC PROCESSES	BASF CATALYSTS LLC	21/12/2007	CHENNAI
3	269217	1665/CHE/2007	31/07/2007		MULTI COMMUNICATION PORT COMPATIBILITY IN PRINTED CIRCUIT BOARD OF MEDICAL DEVICES	SKANRAY HEALTHCARE PVT LTD	25/09/2009	CHENNAI
4	269219	7065/CHENP/2008	12/03/2007	23/05/2006	ROLL STAND AND METHOD FOR ROLLING A ROLLED STRIP	SMS Group GmbH	27/03/2009	CHENNAI
5	269220	2492/CHE/2007	01/11/2007 17:38:53		VEHICLE WHEELS HAVING NON- CONSTANT THICKNESS RIMS	WHEELS INDIA LIMITED	11/09/2009	CHENNAI
6	269221	5862/CHENP/2007	27/01/2006	20/05/2005	CARTRIDGE FOR STORAGE AND DELIVERY OF A TWO- PHASE COMPOUND	TECRES SPA	27/06/2008	CHENNAI
7	269223	2048/CHENP/2008	16/10/2006	26/10/2005	COLOURED PARTICLES FOR ELECTROPHORETIC DISPLAYS	BASF SE	27/02/2009	CHENNAI
8	269227	5662/CHENP/2010	26/02/2009	10/03/2008	METHOD FOR PRODUCING COMPOSITE PARTICLES	WACKER CHEMIE AG	08/04/2011	CHENNAI
9	269228	2061/CHENP/2008	16/10/2006	26/10/2005	NOVEL ALKOXYAMINES CONTAINING UNSATURATED GROUPS	BASF SE	27/02/2009	CHENNAI
10	269229	3740/CHENP/2009	09/01/2008	19/01/2007	IMPROVED BUFFERING TIME DETERMINATION	Nokia Corporation	18/06/2010	CHENNAI
11	269230	4941/CHENP/2010	28/03/2008	28/03/2008	GAS-STATE HYDROCARBON TREATMENT/RECOVE RY APPARATUS AND METHOD OF THE SAME	MITSUBISHI ELECTRIC CORPORATIONTATS UNO CORPORATION	04/03/2011	CHENNAI

12	269231	4777/CHENP/2008	07/03/2007	10/03/2006	LAMINATE	TEIJIN CHEMICALS LTD.	13/03/2009	CHENNAI
13	269252	1789/CHENP/2008	20/10/2006	24/10/2005	METHODS OF PRODUCING ALKYLATED HYDROCARBONS FROM AN IN SITU HEAT TREATMENT PROCESS LIQUID	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.	26/12/2008	CHENNAI
14	269260	5388/CHENP/2009	06/02/2008	12/02/2007	SYSTEM AND METHOD FOR MODELLING A SEMICONDUCTOR DEVICE	INTERNATIONAL BUSINESS MACHINES CORPORATION	02/07/2010	CHENNAI
15	269262	4572/CHENP/2009	13/12/2007	04/01/2007	A METHOD OF DETERMINING PATH MTU IN NETWORK SYSTEM	INTERNATIONAL BUSINESS MACHINES CORPORATION	06/11/2009	CHENNAI
16	269263	6370/CHENP/2008	30/05/2007	30/05/2006	CONTEXTUAL-BASED AND OVERLAID USER INTERFACE ELEMENTS	Dell Products L.P.	21/08/2009	CHENNAI
17	269264	1309/CHENP/2008	14/09/2006	16/09/2005	A METHOD OF WIRELESS COMMUNICATION IN A DYNAMIC SPECTRUM ACCESS WIRELESS COMMUNICATION NETWORK	KONINKLIJKE PHILIPS ELECTRONICS N.V.	28/11/2008	CHENNAI
18	269265	5759/CHENP/2007	02/06/2006	14/06/2005	HIGH PERFORMANCE PHOSPHATE ESTER HYDRAULIC FLUID	SOLUTIA INC.	27/06/2008	CHENNAI
19	269269	6932/CHENP/2008	18/04/2007	03/07/2006	BASE PART FOR ELECTRICALLY AND MECHANICALLY RECEIVING AT LEAST ONE SURGE ARRESTER INSERTABLE INTO THE BASE PART	DEHN + SOHNE GMBH + CO. KG	27/03/2009	CHENNAI
20	269270	7656/CHENP/2009	07/07/2008	10/07/2007	DISPLAY SYSTEM AND DISPLAY APPARATUS	SHARP KABUSHIKI KAISHA	18/06/2010	CHENNAI
21	269274	1420/CHENP/2008	17/08/2006	22/08/2005	MULTILAYER OBJECTS AND PRODUCTION METHOD THEREOF	AISAPACK HOLDING S.A.	12/12/2008	CHENNAI
22	269275	386/CHE/2010	15/02/2010 16:16:53		ELECTRIC ARC FURNACE	SMS SIEMAG AG	19/08/2011	CHENNAI
23	269276	6657/CHENP/2008	29/06/2007	30/06/2006	TRANSMISSION OF DATA IN A WIRELESS COMMUNICATION NETWORK	Qualcomm Incorporated	03/04/2009	CHENNAI

30	269328	2919/CHENP/2007	16/12/2005	30/12/2004	A METHOD OF MAKING ZIRCONIA PARTICLES	3M INNOVATIVE PROPERTIES COMPANY	07/09/2007	CHENNAI
29	269313	1313/CHENP/2009	26/09/2007	27/09/2006	DYNAMIC CHANNEL QUALITY REPORTING IN A WIRELESS COMMUNICATION SYSTEM	Qualcomm Incorporated	29/06/2012	CHENNAI
28	269312	2345/CHENP/2008	12/10/2006	18/10/2005	A PLURISUBSTITUTED HYDROXYAPATITE AND THE COMPOSITE THEREOF WITH A NATURAL AND/OR SYNTHETIC POLYMER THEIR PREPARATION AND USES THEREOF •	C.N.R. CONSIGLIO NAZIONALE DELLE RICERCHEFIN- CERAMICA FAENZA S.p.A.	20/03/2009	CHENNAI
27	269309	5925/CHENP/2007	23/06/2006	24/06/2005	FILLED TPO COMPOSITIONS METHODS OF MAKING THE SAME AND ARTICLES PREPARED FROM THE SAME	DOW GLOBAL TECHNOLOGIES INC	13/06/2008	CHENNAI
26	269299	1636/CHE/2005	09/11/2005		AN IMPROVED PROCESS FOR THE PREPARATION OF CILASTATIN	HOSPIRA INC.	28/09/2007	CHENNAI
25	269289	5002/CHENP/2007	06/04/2005	06/04/2005	COMPACT VIBRATORY FLOWMETER FOR MEASURING FLOW CHARACTERISTICS OF A CEMENT FLOW MATERIAL	MICRO MOTION INC.	27/06/2008	CHENNAI
24	269278	712/CHE/2007	04/04/2007 16:05:22	05/04/2006	LIGHTWEIGHT THERMOPLASTIC SHEETS INCLUDING REINFORCING SKINS	AZDEL INC	28/11/2008	CHENNAI

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Seri al Nu mbe r	Patent Numbe r	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	269208	3418/KOLNP/2008	15/02/2007	15/02/2006	NON-AQUEOUS ELECTROLYTE AND ELECTROCHEMICAL DEVICE WITH AN IMPROVED SAFETY	LG CHEM LTD.	13/02/2009	KOLKATA
2	269222	3127/KOLNP/2008	19/01/2007	19/01/2006	APPARATUS FOR PROCESSING TRAFFIC INFORMATION	LG ELECTRONICS INC.	06/02/2009	KOLKATA
3	269226	1657/KOLNP/2009	28/09/2007	02/11/2006	DEVICE AND METHOD FOR POSTPROCESSING SPECTRAL VALUES AND ENCODER AND DECODER FOR AUDIO SIGNALS	FRAUNHOFER- GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	12/06/2009	KOLKATA
4	269232	4935/KOLNP/2008	18/06/2007	16/06/2006	ENCODING UPLINK ACKNOWLEDGMENTS TO DOWNLINK TRANSMISSIONS	LG ELECTRONICS INC.	20/03/2009	KOLKATA
5	269233	3075/KOLNP/2007	02/03/2006	30/04/2005	METHOD FOR PROVIDING A LOCATION INFORMATION OF A TARGET TERMINAL IN A NETWORK SYSTEM	LG ELECTRONICS INC.	07/12/2007	KOLKATA
6	269234	731/KOL/2008	17/04/2008		AN IMPROVED METHOD OF THERMAL SPRAYING OF BOILERS AND A DEVICE FOR THE SAME	BHARAT HEAVY ELECTRICALS LIMITED	23/10/2009	KOLKATA
7	269235	3614/KOLNP/2009	06/05/2008	09/05/2007	PROCESS FOR THE PREPARATION OF TRANS-23- DISUBSTITUTED NAPHTHOQUINONES	LABORATORIO CHIMICO INTERNAZIONALE S.P.A.	22/01/2010	KOLKATA
8	269236	3628/KOLNP/2008	23/03/2007	30/03/2006	A COMMUNICATION SYSTEM AND METHOD OF MODIFYING A TECHNICAL OPERATION OF AN AUTOMATION UNIT OF THE COMMUNICATION SYSTEM	SIEMENS AKTIENGESELLSCH AFT	20/02/2009	KOLKATA
9	269237	1469/KOLNP/2009	24/09/2007	26/09/2006	NON - AQUEOUS PIGMENT CONCENTRATE	AKZO NOBEL COATINGS INTERNATIONAL B. V.	29/05/2009	KOLKATA

10	269238	566/KOLNP/2006	02/09/2004	08/09/2003	RECORDING MEDIUM AND METHOD AND APPARATUS FOR RECORDING MANAGEMENT INFORMATION AND MANAGING A RECORDING MEDIUM ONTO THE RECORDING MEDIUM	LG ELECTRONICS INC.	09/03/2007	KOLKATA
11	269239	1967/KOLNP/2008	20/10/2006	11/11/2005	ACID MILK BEVERAGE AND PROCESS FOR PRODUCING THE SAME	KABUSHIKI KAISHA YAKULT HONSHA	09/01/2009	KOLKATA
12	269240	258/KOLNP/2008	23/06/2005	23/06/2005	ARRANGEMENT AND METHOD RELATING TO LOAD DISTRIBUTION	TELEFONAKTIEBOL AGET LM ERICSSON (PUBL)	05/12/2008	KOLKATA
13	269241	126/KOL/2007	31/01/2007	31/01/2006	SURGICAL INSTRUMENT HAVING A STATUS MODULE	ETHICON ENDO- SURGERY INC	21/09/2007	KOLKATA
14	269243	1896/KOLNP/2008	28/11/2006	28/11/2005	METHOD AND APPARATUS FOR GENERATING AND TRANSMITTING CODE SEQUENCE IN A WIRELESS COMMUNICATION SYSTEM	Evolved Wireless LLC	09/01/2009	KOLKATA
15	269244	232/KOLNP/2009	12/06/2007	23/06/2006	METHOD AND SYSTEM FOR USING THE SYNCHRONIZATION CHANNEL TO OBTAIN MEASUREMENTS IN A CELLULAR COMMUNICATIONS SYSTEM	TELEFONAKTIEBOL AGET LM ERICSSON (PUBL)	08/05/2009	KOLKATA
16	269245	3234/KOLNP/2006	22/11/2002	22/11/2001	VARIABLE LENGTH CODING METHOD AND VARIABLE LENGTH DECODING METHOD.	PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA	08/06/2007	KOLKATA
17	269246	123/KOLNP/2009	14/07/2006	14/07/2006	ARRANGEMENT AND METHOD FOR STORING MEASURED VALUES IN PARTICULAR FOR MONITORING POWER TRANSMISSION SYSTEMS	SIEMENS AKTIENGESELLSCH AFT	03/04/2009	KOLKATA
18	269249	1397/KOLNP/2009	16/05/2008	18/09/2007	METHOD SYSTEM AND DEVICE FOR NETWORK MULTIMEDIA CONFERENCE ACCESS	HUAWEI TECHNOLOGIES CO. LTD.	29/05/2009	KOLKATA
19	269253	2616/KOLNP/2008	11/12/2006	09/12/2005	A METHOD OF PREPARING A SOLID BLEND OF POLYMERS	RUTGERS THE STATE UNIVERSITY	23/01/2009	KOLKATA

20	269258	1601/KOLNP/2008	05/10/2006	05/10/2005	METHOD FOR PREPARATION OF AN OPTICALLY ACTIVE DIMETHOXYNAPTHALE NE COMPOUND	MITSUBISHI FANABE PHARMA CORPORATION	30/01/2009	KOLKATA
21	269266	858/KOLNP/2008	30/08/2006	02/09/2005	A PROCESS FOR PRODUCTION OF 13- DIIODOHYDANTOIN COMPOUND	NIPPOH CHEMICALS CO. LTD.	28/11/2008	KOLKATA
22	269272	1926/KOLNP/2009	20/11/2007	22/11/2006	SECURITY ELEMENT FOR DOCUMENTS OF VALUE	GIESECKE & DEVRIENT GMBH	19/06/2009	KOLKATA
23	269279	1536/KOL/2008	05/09/2008 16:05:05	14/09/2007	METHOD AND SYSTEM FOR DETERMINING THE COMPOSITION OF FUEL IN FUEL SYSTEMS	GM GLOBAL TECHNOLOGY OPERATIONS INC.	01/05/2009	KOLKATA
24	269280	1658/KOL/2008	25/09/2008 17:18:15	01/11/2007	GEAR AND CLUTCH ARRANGEMENT FOR MULTI-SPEED TRANSMISSION	GM GLOBAL TECHNOLOGY OPERATIONS INC.	05/06/2009	KOLKATA
25	269281	1711/KOLNP/2010	14/11/2008	19/11/2007	PROCESS FOR PRODUCING ISOCYANATES AND AROMATIC HYDROXY COMPOUNDS	ASAHI KASEI CHEMICALS CORPORATION	27/08/2010	KOLKATA
26	269282	270/KOL/2005	04/04/2005	08/04/2004	SEWING MACHINE WITH OIL TANK AND OIL TANK IMMERSION BODY OF THE SEWING MACHINE	DURKOPP ADLER AG	24/11/2006	KOLKATA
27	269283	1508/KOL/2008	02/09/2008 17:09:30	15/11/2007	VALVETRAIN DRIVE STRETCH COMPENSATION FOR CAMSHAFT TO CRANKSHAFT CORRELATION	GM GLOBAL TECHNOLOGY OPERATIONS INC.	05/06/2009	KOLKATA
28	269286	356/KOL/2008	27/02/2008	30/03/2007	AN IMPROVED MULTI - SPEED POWER TRANSMISSION	GM GLOBAL TECHNOLOGY OPERATIONS INC.	17/04/2009	KOLKATA
29	269287	375/KOL/2008	28/02/2008	30/03/2007	AN IMPROVED TRANSMISSION WITH FOUR PLANETARY GEAR SETS CONTROLLED TO PROVIDE MULTIPLE FORWARD SPEED RATIOS AND A REVERSE SPEED RATIO	GM GLOBAL TECHNOLOGY OPERATIONS INC.	10/10/2008	KOLKATA
30	269290	753/KOL/2007	15/05/2007	29/06/2006	TRANSPARENT ZEOLITE- POLYMER HYBRID MATERIAL WITH TUNABLE PROPERTIES	CLARIANT INTERNATIONAL LTD.	11/01/2008	KOLKATA
31	269291	5145/KOLNP/2008	14/06/2007	12/07/2006	PROCESS FOR PREPARING TRIALLYL ISOCYANURATE (TAIC)	EVONIK DEGUSSA GMBH	27/03/2009	KOLKATA

32	269292	298/KOL/2008	19/02/2008	08/03/2007	A HYDRAULIC CONTROL CIRCUIT FOR A MULTI- SPEED TRANSMISSION	GM GLOBAL TECHNOLOGY OPERATIONS INC.	03/10/2008	KOLKATA
33	269293	266/KOL/2008	15/02/2008	02/03/2007	A SYSTEM FOR FORMING A FEATURE ON AN INNER SURFACE OF A GEAR	GM GLOBAL FECHNOLOGY OPERATIONS INC.	17/04/2009	KOLKATA
34	269294	1508/KOLNP/2007	27/10/2005	29/10/2004	METAL GASKET FOR CYLINDER HEAD	NIPPON LEAKLESS INDUSTRY CO. LTD	27/07/2007	KOLKATA
35	269296	2250/KOLNP/2007	01/02/2006	02/02/2005	METHOD FOR DEFINING THE TOOTHING GEOMETRIES OF A GEAR PAIR COMPRISING TWO GEARS WITH INTERSECTING AXES	SONA BLW PRAZISIONSSCHMIE DE GMBH	17/08/2007	KOLKATA
36	269303	15/KOLNP/2008	10/07/2006	11/07/2005	RETROSPECTIVE IMPLEMENTATION OF SIM CAPABILITIES IN A SECURITY MODULE	GIESECKE & DEVRIENT GMBH	12/09/2008	KOLKATA
37	269305	1011/KOLNP/2009	10/10/2007	10/10/2006	SYSTEM FOR EMERGENCY RATE ADJUSTMENT	HUAWEI FECHNOLOGIES CO. LTD.	22/05/2009	KOLKATA
38	269307	148/KOL/2010	16/02/2010	09/03/2009	METHOD AND APAPRATUS FOR MAPPING AND DE- MAPPING IN AN OPTICAL TRANSPORT NETWORK	HUAWEI FECHNOLOGIES CO. LTD.	13/03/2015	KOLKATA
39	269310	2273/KOLNP/2009	06/12/2007	21/12/2006	O-SUBSTITUTED- DIBENZYL UREA- DERIVATIVES AS TRPV1 RECEPTOR ANTAGONISTS	PHARMESTE S.R.L.	03/07/2009	KOLKATA
40	269317	2001/KOLNP/2007	02/12/2005	10/12/2004	METHOD FOR CONNECTING SWITCH PARTS MADE OF AUSTENITIC MANGANESE STEEL CASTING OR AUSTENITIC MANGANESE STEEL RAILS WITH A RAIL OF CARBON STEEL	VAE EISENBAHNSYSTEM E GMBHVAE GMBH	10/08/2007	KOLKATA
41	269319	3094/KOLNP/2009	21/02/2008	02/03/2007	PROCESS FOR THE RESOLUTION OF HOMOCYSTEINE-γ- THIOLACTONE	EDMOND PHARMA S.r.l.	20/08/2010	KOLKATA
42	269321	4245/KOLNP/2008	01/09/2007	22/11/2006	METHOD AND DEVICE FOR THE PRODUCTION AND/OR CONDITIONING OF POWDERED MATERIAL	GLATT INGENIEURTECHNIK GMBH	06/03/2009	KOLKATA
43	269322	945/KOLNP/2009	30/08/2007	11/09/2006	MULTI-LAYERED PHASE-CHANGE OPTICAL RECORDING MEDIUM	RICOH COMPANY LTD.	22/05/2009	KOLKATA

44	269323	507/KOL/2009	20/03/2009 16:33:22	MINIATURE PLATINUM RESISTANCE TEMPERATURE DETECTOR UNIT WITH INTEGRAL CONNECTOR FOR MONITORING OF THRUST BEARING METAL TEMPERATURE OF BOILER FEED PUMP USED IN THERMAL POWER STATIONS	21/01/2011	KOLKATA
45	269327	472/KOL/2009	17/03/2009	THE PROCESS FOR PREPARATION OFNATIONAL NATIONALCONSTRUCTIONALALUMINIUM BLOCKS BRICKS ANDCOMPANY COMPANY ARTIFICIAL CERAMICARTIFICIAL CERAMICLIMITEDMANISHREE STONE CHIPS UTILIZING REFRACTORY & RED MUD AS THE MAIN BASE MATERIALCERAMICS PVT.LTD.	03/12/2010	KOLKATA

## CONTINUED TO PART-2

### **CONTINUED FROM PART-1**

## **INTRODUCTION**

In view of the recent amendment made in the Designs (Amendment) Rules, 2008 with effect from 17/06/2008, Publication of the matter relating to Designs is being published in the Official Journal of The Patent Office. This Journal is being published on weekly basis on every Friday covering the various proceedings on Designs as required according to the provisions of under Rule 22, 25, 27 and 39 of the Design (Amendment) Rules, 2008. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

The Design stands in the name of ESS ESS BATHROOM PRODUCTS PVT. LTD registered under the Designs Act, 2000 has been assigned in the Register of Designs in the name as follows:-

Design No.	Class	Name
195569	23-01	ASIAN PAINTS LIMITED, A COMPANY REGISTERED IN INDIA, HAVING ITS REGISTERED OFFICE AT 6/A, ASIAN PAINTS HOUSE, SHANTINAGAR INDL. ESTATE, VAKOLA PIPELINE LANE,
		SANTACRUZ (EAST), MUMBAI-400 055

#### THE DESIGNS ACT 2000 (SECTION 30) DESIGN ASSIGNMENT

The Design stands in the name of PANASONIC HEALTHCARE CO. LTD. registered under the Designs Act, 2000 has been assigned in the Register of Designs in the name as follows:-

Design No.	Class	Name
248282	24-01	PANASONIC
		HEALTHCARE
		HOLDINGS CO., LTD., A
		CORPORATION
		ORGANIZED AND
		EXISTING UNDER THE
		LAWS OF JAPAN OF 2-
		38-5 NISHISHIMBASHI,
		MINATO-KU, TOKYO,
		JAPAN

The Design stands in the name of SOCIETE BIC registered under the Designs Act, 2000 has been assigned in the Register of Designs in the name as follows:-

Design No.	Class	Name
250022	13-02	INTELLIGENT ENERGY
250023		LIMITED, A LIMITED
250024		COMPANY REGISTERED
		IN ENGLAND AND
		WALES OF
		CHARNWOOD
		BUILDING, HOLYWELL
		PARK, ASHBY ROAD,
		LOUGHBOROUGH,
		LEICESTERSHIRE LE11
		3GB

#### THE DESIGNS ACT 2000 (SECTION 30) DESIGN ASSIGNMENT

The Design stands in the name of ABB AB registered under the Designs Act, 2000 has been assigned in the Register of Designs in the name as follows:-

Design No.	Class	Name
202760	13-03	ABB TECHNOLOGY LTD, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF SWEDEN OF AFFOLTERNSTRASSE 44, CH-8050 ZURICH, SWITZERLAND

The Design stands in the name of ABB AB registered under the Designs Act, 2000 has been assigned in the Register of Designs in the name as follows:-

Design No.	Class	Name
203688	13-03	ABB TECHNOLOGY LTD, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF SWEDEN OF AFFOLTERNSTRASSE 44, CH-8050 ZURICH, SWITZERLAND

#### THE DESIGNS ACT 2000 (SECTION 30) DESIGN ASSIGNMENT

The Design stands in the name of SOCIETE BIC registered under the Designs Act, 2000 has been assigned in the Register of Designs in the name as follows:-

Design No.	Class	Name
231077	13-01	INTELLIGENT ENERGY
		LIMITED, A LIMITED
		COMPANY REGISTERED
		IN ENGLAND AND
		WALES OF
		CHARNWOOD
		BUILDING, HOLYWELL
		PARK, ASHBY ROAD,
		LOUGHBOROUGH,
		LEICESTERSHIRE LE11
		3GB

The Design stands in the name of ABB AB registered under the Designs Act, 2000 has been assigned in the Register of Designs in the name as follows:-

Design No.	Class	Name
219303	13-03	ABB TECHNOLOGY LTD, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF SWEDEN OF AFFOLTERNSTRASSE 44, CH-8050 ZURICH, SWITZERLAND

#### THE DESIGNS ACT 2000 (SECTION 30) DESIGN ASSIGNMENT

The Design stands in the name of ABB AB registered under the Designs Act, 2000 has been assigned in the Register of Designs in the name as follows:-

Design No.	Class	Name
222670	08-05	ABB TECHNOLOGY LTD, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF SWEDEN OF AFFOLTERNSTRASSE 44, CH-8050 ZURICH, SWITZERLAND

The Design stands in the name of EBNAT AG registered under the Designs Act, 2000 has been assigned in the Register of Designs in the name as follows:-

Design No.	Class	Name		
261920	04-02	CURADEN AG OF AMLEHNSTRASSE 22, 6010 KRIENS, SWITZERLAND, A SWISS COMPANY		

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SL NO	REGISTERED DESIGN NUMBERS	<b>RENEWED ON</b>
1.	202254	20.08.2015
2.	202255	20.08.2015
3.	202576	24.08.2015
4.	202577	24.08.2015
5.	202581	24.08.2015
6.	202582	24.08.2015
7.	202585	24.08.2015
8.	202587	24.08.2015
9.	202588	24.08.2015
10.	202589	24.08.2015

#### **REGISTRATION OF DESIGNS**

The following designs have been registered. They are now open for public inspection. In the following each entry the Date of Registration is shown. The Priority Number, Priority Date and Priority Country are also shown

DESIGN NUMBER		269339	-
CLASS		08-06	
PRINCIPAL PLACE (		<b>NAL HAVING HIS</b> 30 FEET MAIN ROAD, RAJKOT,	
DATE OF REGISTRA	TION	05/02/2015	
TITLE		HANDLE	
PRIORITY NA			
DESIGN NUMBER	268904		
CLASS	06-11		
	PRIETOR, OF M/S MASTER TO D, ALAPPUZHA-688006, KERA	LA	NAMES OF THE PARTY
DATE OF REGISTRATION	16/01/2015		LCCME
TITLE	MAT	Contraction of the Contraction o	
PRIORITY NA			
DESIGN NUMBER	269110		
CLASS	13-03		
RESIDENT OF	<b>AN INDIVIDUAL - INDIAN</b> RK, EVERSHINE NAGAR, MAL 1064		
DATE OF REGISTRATION	28/01/2015		
TITLE	SWITCH BOTTOM PLATE	•	н н .
PRIORITY NA			

DESIGN NUMBER		272534	
CLASS 18-02			
1)MR. SANDIP KUMAR SANO NABA ANANYA, CO-OPERA LIMITED, FLAT NO. B-3/20, 5TH ASANSOL-WEST BENGAL-7133 404, UNIT 1, 5# WEST JINJI ROA DISTRICT, ZHUHAI CITY, GUAI LIMITED, A PUBLIC COMPANY 85, SHERIFF HOUSE, UNIT #201 BANGALORE-560025, KARNAT CHINESE, INDIAN (RESPECTIV DATE OF REGISTRATION TITLE PRIORITY NA DESIGN NUMBER CLASS	TIVÉ HOUSINC I FLOOR, VIVEH 05, MR. XIAOM D, QIANSHAN ' NGDONG PROV ' HAVING ITS R , 2ND FLOOR, R AKA, INDIA. NA	<b>G AT:</b> 5 SOCIETY PRIVATE XANANDA SARANI, IN LIU, RESIDING AT: ROOM FOWN, XIANGZHOU TINCE, CHINA AND RELON EGISTERED OFFICE AT NO. LICHMOND ROAD,	
1)SAMSUNG ELECTRONICS			
129, SAMSUNG-RO, YEONG REPUBLIC OF KOREA	ΓONG-GU; SUW	ON-SI, GYEONGGI-DO 443-742	2,
DATE OF REGISTRATION		24/12/2014	
TITLE		MOBILE PHONE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
30-2014-0048598	08/10/2014	REPUBLIC OF KOREA	
DESIGN NUMBER		269347	
CLASS 08-06			
UNDER THE COMPANIES ACT BUSINESS AT ADDRESS:	<b>F, 1956) HAVIN</b> URVEY NO. 195	i/P 66, 80 FEET ROAD, BEHIND	
TITLE		HANDLE	
PRIORITY NA			

DESIGN NUMBER		269113				
CLASS	CLASS 13-03					
1) <b>MR. KAPIL JAIN AN INDIVIDUAL - INDIAN RESIDENT OF</b> A-302, VASTU PARK, EVERSHINE NAGAR, MALAD (WEST), MUMBAI-400064						
DATE OF REGISTRATION		28/01/2015				
TITLE		LAMP HOLDI	ER			
PRIORITY NA						
DESIGN NUMBER		270462				
CLASS		23-02				
1) <b>HSIL LIMITED</b> BAHADURGARH-124507, INDIA, AN INDIAN COMPAN		STRICT: JHAJJAR, H	IARYANA,	iii -	-	
DATE OF REGISTRATION		20/03/2015			•	
TITLE		WASH BASIN				11
PRIORITY NA					0	
DESIGN NUMBER			271185		_	$\bigcirc$
CLASS			09-01			$\square$
1)VALENTINO S.P.A., AN VIA TURATI, 16/18, 1-201						
DATE OF REGISTRATION	DATE OF REGISTRATION 07/04/20		7/04/2015			
TITLE	TTLE   PERFUME BOTTLE		JME BOTTLE	4		
PRIORITY						
PRIORITY NUMBER		DATE	COUNT	RY	CHAR -	XXXXXXX
002552398		07/10/2014	OHIM		N.	

DESIGN NUMBER		271343	
CLASS		09-07	
	RSHIP FIRM,	VADA NANI DAMAN, DAMAN- WHOSE PARTNERS ARE DINESH EV, ALL INDIAN NATIONALS	
DATE OF REGISTRATION		13/04/2015	
TITLE		CAP FOR BOTTLE	
PRIORITY NA			
DESIGN NUMBER		272537	
CLASS		18-02	-
1)MR. SANDIP KUMAR SANG NABA ANANYA, CO-OPERA FLAT NO. B-3/20, 5TH FLOOR, V BENGAL-713305, MR. XIAOMIN JINJI ROAD, QIANSHAN TOWN, GUANGDONG PROVINCE, CHIN HAVING ITS REGISTERED OFFI FLOOR, RICHMOND ROAD, BAN NATIONALITY: INDIAN, CHINE			
DATE OF REGISTRATION		04/06/2015	
TITLE		CARTRIDGE	
PRIORITY NA			
DESIGN NUMBER		268396	
CLASS		14-03	
1)SAMSUNG ELECTRONICS 129, SAMSUNG-RO, YEONGT REPUBLIC OF KOREA		KOREAN COMPANY, OF WON-SI, GYEONGGI-DO 443-742,	
DATE OF REGISTRATION			
TITLE			
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
30-2014-0048593	08/10/2014	REPUBLIC OF KOREA	

DESIGN NUMBER	269344	
CLASS	08-06	
UNDER THE COMPANIES ACT, 19 BUSINESS AT ADDRESS:	<b>T. LTD. (A COMPANY INCORPORATED</b> <b>56) HAVING ITS PRINCIPAL PLACE OF</b> /EY NO. 195/P 66, 80 FEET ROAD, BEHIND RAJKOT, GUJARAT, INDIA	
DATE OF REGISTRATION	05/02/2015	
TITLE	HANDLE	
PRIORITY NA		
DESIGN NUMBER	268905	NAMES AND A DATE OF THE
CLASS	06-11	+++++++++++++++++++++++++++++++++++++++
1) <b>SHAJI P. V., PROPRIETOR, MA</b> ASHRAMAM WARD, ALAPPUZH	<b>STER TOUCH,</b> 1A-688006, KERALA STATE, INDIAN	
DATE OF REGISTRATION	16/01/2015	222222222222222222222
TITLE	MAT	222222222222222222
PRIORITY NA		
DESIGN NUMBER	269111	
CLASS	13-03	
PARK, EVERSHINE NAGAR, MAL	U <b>AL - INDIAN RESIDENT OF A-302, VASTU AD (WEST), MUMBAI-400064</b> JE NAGAR, MALAD (WEST), MUMBAI-	
DATE OF REGISTRATION	28/01/2015	
TITLE	LAMP HOLDER	
PRIORITY NA		

DESIGN NUMBER		272535		
CLASS		18-02		
FLAT NO. B-3/20, 5TH FLOO BENGAL-713305, MR. XIAO WEST JINJI ROAD, QIANSHA GUANGDONG PROVINCE, C COMPANY HAVING ITS REC UNIT #201, 2ND FLOOR, RIC KARNATAKA, INDIA. NATIO (RESPECTIVELY)	ERATIV R, VIVI MIN LIU AN TOV CHINA A GISTER HMON	É HOUSING SOCIETY PRIVATE L EKANANDA SARANI, ASANSOL-W J, RESIDING AT: ROOM 404, UNIT VN, XIANGZHOU DISTRICT, ZHUH AND RELON LIMITED, A PUBLIC ED OFFICE AT NO. 85, SHERIFF H D ROAD, BANGALORE-560025, FY: INDIAN, CHINESE, INDIAN	VEST 1, 5# HAI CITY,	
DATE OF REGISTRATION		04/06/2015		
TITLE		CARTRIDGE		
PRIORITY NA		260721		
DESIGN NUMBER		268731		
		08-06		
1)SANVI ENTERPRISE, AN PRINCIPAL PLACE OF BUS NATIONAL HIGHWAY 8- KOTHARIYA SOLVENT ARE KOTHARIYA, DIST: RAJKOT	SINESS B, OPP EA, NEA	<b>AT</b> OSITE PARIN FURNITURE, AR DHOKIYA MOTORS,		
DATE OF REGISTRATION		09/01/2015	1.5	
TITLE		DOOR HANDLE		
PRIORITY NA				
DESIGN NUMBER		268408		
CLASS		12-16		
1)TATA MOTORS LIMITE BOMBAY HOUSE, 24 HO 400001, MAHARASHTRA, IN	MÍ MO	INDIAN COMPANY OF DY STREET, HUTATMA CHOWK, I	MUMBAI	
DATE OF REGISTRATION		24/12/2014		
TITLE	GEAR LEVER ASSEMBLY FO	R VEHICLE	l F	
PRIORITY NA				

DESIGN NUMBER	2691	72	(BEF & )			
CLASS	12-1	15				
1)COMPAGNIE GENERALE DES COMPANY OF 12 COURS SABLON AND MICHELIN RECHERCHE ET TEC LOUIS- BRAILLE 10 - CH-1763 GRAN DATE OF REGISTRATION TITLE PRIORITY PRIORITY NUMBER 2014-3446	, <b>F-63000, CLERMONT-F</b> HNIQUE S.A., A SWISS C	ERRAND, FRANCE, OMPANY OF ROUTE RLAND 2015				
DESIGN NUMBER	2690					
CLASS 1)MR. KAPIL JAIN AN INDIVIDU A-302, VASTU PARK, EVERSHIN		OF				
DATE OF REGISTRATION	28/01/2	2015				
TITLE	SWITCH COV	/ER PLATE				
PRIORITY NA						
DESIGN NUMBER	2691					
CLASS	13-0					
1) <b>MR. KAPIL JAIN AN INDIVIDU</b> A-302, VASTU PARK, EVERSHIN						
DATE OF REGISTRATION	28/01/2	2015				
TITLE	TITLE SWITCH COVER PLATE					
PRIORITY NA			Frid			

DESIGN NUMBER		27046	7	
CLASS		23-02		
1)HSIL LIMITED, BAHADURGARH-124507, AN INDIAN COMPANY	D DISTRICT:	JHAJJAR, HA	RYANA, INDIA, Al	
DATE OF REGISTRATION		20/03/20	15	
TITLE		WASH BA	ASIN	
PRIORITY NA				
DESIGN NUMBER		26	8689	
CLASS		14		
<b>COMPANY INCORPORATED U</b> <b>P.R.CHINA, ADDRESS AT</b> 21/F, TIMES TECHNOLOGY DISTRICT, SHENZHEN, GUANC	BUILDING, 702	28 SHENNAN	ROAD, FUTIAN	Γ <b>Υ</b> :
DATE OF REGISTRATION			1/2015	
TITLE		MOBIL	E PHONE	
PRIORITY				
PRIORITY NUMBER	DATI	DATE COU		
201430446644.4	13/11	/2014	CHINA	
DESIGN NUMBER		26	8397	The appropriate in the second s
CLASS		14	4-03	
1)SAMSUNG ELECTRONICS 129, SAMSUNG-RO, YEONG REPUBLIC OF KOREA				2,
DATE OF REGISTRATION		24/1	2/2014	
TITLE		MOBIL	E PHONE	
PRIORITY PRIORITY NUMBER 30-2014-0048596	DATE 08/10/2014	COUNTR REPUBLIC	Ý C OF KOREA	

DESIGN NUMBER		269345		
CLASS		08-06		
UNDER THE COMPANIE BUSINESS AT ADDRESS: AIMS INDUSTRIAL PA	<b>S ACT, 1</b> 9 RK, SURV	<b>YT. LTD. (A COMPANY INCO)</b> <b>56) HAVING ITS PRINCIPAL</b> VEY NO. 195/P 66, 80 FEET ROA , RAJKOT, GUJARAT, INDIA	PLACE OF	
DATE OF REGISTRATIO	N	05/02/2015		
TITLE		HANDLE		
PRIORITY NA				
DESIGN NUMBER		269074		
CLASS		31-00		
GANGAPURWALA,		DHOOT, INDIAN NATIONAL GAR-414001, MAHARASHTRA		
DATE OF REGISTRATION		27/01/2015		
TITLE PRIORITY NA		FRYER		
DESIGN NUMBER		269112		
CLASS		13-03		
		J <b>AL - INDIAN RESIDENT OF</b> NE NAGAR, MALAD (WEST),		
DATE OF REGISTRATION		28/01/2015		
TITLE		LAMP HOLDER		
PRIORITY NA				~

DESIGN NUMBER		271342							
CLASS	LASS 09-01								
1)NAYASA POLYPLAST OF G-9 UDYOG NAGAR O.I.D.C., INDIA, INDIAN PARTNERSHIP FI LAXMINARAYAN MALIK & MAI									
DATE OF REGISTRATION		13/04/2015							
TITLE	ITLE BOTTLE								
PRIORITY NA									
DESIGN NUMBER		272536							
CLASS		18-02							
1)MR. SANDIP KUMAR SANGI NABA ANANYA, CO-OPERAT FLAT NO. B-3/20, 5TH FLOOR, VI BENGAL-713305, MR. XIAOMIN I JINJI ROAD, QIANSHAN TOWN, 2 GUANGDONG PROVINCE, CHINA HAVING ITS REGISTERED OFFIC FLOOR, RICHMOND ROAD, BAN NATIONALITY: INDIAN, CHINES DATE OF REGISTRATION									
TITLE	TITLE CARTRIDGE								
PRIORITY NA									
DESIGN NUMBER		268399							
CLASS		14-03							
1)SAMSUNG ELECTRONICS C 129, SAMSUNG-RO, YEONGTO REPUBLIC OF KOREA		<b>COREAN COMPANY, OF</b> VON-SI, GYEONGGI-DO 443-742,	6						
DATE OF REGISTRATION		24/12/2014							
TITLE		MOBILE PHONE							
	DATE 08/10/2014	COUNTRY REPUBLIC OF KOREA							

DESIGN NUMBER	ł		2693	366		
CLASS			08-	06	2	
600003 INDIA DATE OF REGIST TITLE	ACITY, CARR MUDALI STRE	EXING ON BUSIN EET, IIND FLOOR	NESS , PAR 06/02/	AT K TOWN CHENNAI-		
PRIORITY NA						
DESIGN NUMBER	2		2689		$\sim$	
CLASS 1)SOMFY SAS, A EXISTING UNDEL 50, AVENUE D	R THE LAWS C			IIZED AND		
DATE OF REGIST	RATION		16/01/	6/01/2015		
TITLE	TITLE RE			OTE CONTROL		
PRIORITY PRIORITY NUMB 841116901	ER	DATE 24/09/2014		COUNTRY WIPO		
DESIGN NUMBER	26	9114				
CLASS	13	3-03		State of the owner of the owner	Party and the summer of the state of the state of	
1)MR. KAPIL JA RESIDENT OF A-302, VASTU MALAD (WEST), N	PARK, EVERSH	IINE NAGAR,				
DATE OF REGISTRATION		1/2015	E			
TITLE	SWITCH CO	OVER PLATE	1		Curve	
PRIORITY NA						

DESIGN NUMBER			270	)463	
CLASS			23	-02	
1) <b>HSIL LIMITED</b> BAHADURGARH-12 INDIAN COMPANY	24507, AND	DISTRICT: JH	IAJJAR, HA	RYANA, INDIA, AN	
DATE OF REGISTRAT	ION		20/03	3/2015	
TITLE			WATER	CLOSET	
PRIORITY NA					
DESIGN NUMBER			26	8400	$\sim$
CLASS			14	4-03	
1)SAMSUNG ELECTI 129, SAMSUNG-RO, REPUBLIC OF KOREA				<b>MPANY, OF</b> CONGGI-DO 443-742,	
DATE OF REGISTRAT	ION		24/1	2/2014	
TITLE			MOBIL	E PHONE	
PRIORITY		I			
PRIORITY NUMBER	D	ATE	TE COUNTRY		0
30-2014-0048601	08	8/10/2014	0/2014 REPUBLIC OF KOREA		
		2(9720			
DESIGN NUMBER		268729		-	
CLASS 1)SANVI ENTERPRIS ITS PRINCIPAL PLAC NATIONAL HIGHW FURNITURE, KOTHARI DHOKIYA MOTORS, KO GUJARAT, INDIA	<b>E OF BUSI</b> AY 8-B, OP IYA SOLVE	<b>NESS AT</b> POSITE PARII ENT AREA, NE	N EAR		
DATE OF REGISTRATION		09/01/2015		A second second	
TITLE	I	DOOR HANDL	Æ		
PRIORITY NA					

DESIGN NUMBER		269368			
CLASS		08-06			
IN INDIVIDUAL CAPACIT	Y, CARF	DIAN NATIONAL, APPLYING RYING ON BUSINESS AT IND FLOOR, PARK TOWN			
DATE OF REGISTRATION		06/02/2015			
TITLE		DOOR HANDLE			
PRIORITY NA					
DESIGN NUMBER		270168			
CLASS		09-01			
LAXMINARAYAN MALIK &	FIRM, W 2 MANA	HOSE PARTNERS ARE DINESH SI SACHDEV, ALL INDIAN NAT	IONALS		
DATE OF REGISTRATION		09/03/2015 BOTTLE			
				N N	
PRIORITY NA					
DESIGN NUMBER		270262			
CLASS		06-01			
UNDER THE COMPANIES	ACT, 19	(AN INDIAN COMPANY INCOF 56) HAVING ITS OFFICE AT NEB SARAI, NEW DELHI-110068			
DATE OF REGISTRATION	ATE OF REGISTRATION 11/03/2015				
TITLE		RECLINER SOFA	Δ	· · · · · · · · · · · · · · · · · · ·	
PRIORITY NA					

DESIGN NUMBER		2	268919	
CLASS			14-03	
<b>EXISTING UNDER</b> 7	THE LA	FOCK COMPANY ( WS OF FRANCE, O AU MONDE, F-7 430	F	
DATE OF REGISTR	ATION	16	/01/2015	
TITLE		REMOT	TE CONTROL	
PRIORITY				
PRIORITY PRIORITY NUMBER	,	DATE	COUNTRY	
850815701	L	07/11/2014	WIPO	
830813701		07/11/2014	WIPO	
DESIGN NUMBER		269115		
CLASS		13-03		
<b>RESIDENT OF</b>	RK, EVI	<b>DIVIDUAL - INDIAN</b> ERSHINE NAGAR, 00064	N	
DATE OF REGISTRATION		28/01/2015		
TITLE	SWI	TCH COVER PLATE	E	Corvi
PRIORITY NA				
DESIGN NUMBER		2704	-64	
CLASS		23-0	02	
HARYANA, INDIA, A		, AND DISTRICT: JH AN COMPANY	AJJAR,	
DATE OF REGISTRATION		20/03/2	2015	
TITLE		WASH H	BASIN	
PRIORITY NA				

DESIGN NUMBER			268495		
CLASS	21-02				
1) <b>DECATHLON,</b> 4, BOULEVARD DE MON COMPANY OF FRANCE	5, 59650	), VILLENEUVE	D'ASCQ, FR	NCE, A	0-
DATE OF REGISTRATION		30/12/2014			
TITLE		SWIMMING	TRAINING A	CCESSORY	
PRIORITY					
PRIORITY NUMBER		DATE	COU	NTRY	3
002553701-0001		09/10/2014	OHI	1	
DESIGN NUMBER		2	268748		
CLASS			08-03	F	
1)SUMITOMO ELECTRIC CORPORATION, OF 1-1, KOYAKITA 1-CHOMI		1I-SHI, HYOGO e	564-0016, JAP	ſ	
DATE OF REGISTRATION			/01/2015		
TITLE		TIP FOR C	CUTTING TO	DL	
PRIORITY PRIORITY NUMBER 2014-015037		DATE 09/07/2014	COUNT JAPAN	2Y	
DESIGN NUMBER		269319			
CLASS		06-08			( )
1)TFS GLOBAL HANGER UNDER THE LAWS OF GER HOHER WEG 2, 48529 NO	MANY	Y OF	H, EXISTING		
DATE OF REGISTRATION		05/02/2015	5		
TITLE		CLOTHES HAN	NGER		
PRIORITY NA				1	

DESIGN NUMBER			268854	$\sim$		
CLASS		02-02				
1)KIT AND ACE DESI LAWS OF THE PROVIN 123 WEST 7TH AVEN	NCE OF BRI	TISH COLUMBIA, (				
DATE OF REGISTRATI	ION	14/01/2015				
TITLE		GARMENT		" 1 [		
PRIORITY PRIORITY NUMBER 157608		DATE 14/07/2014	COUNTRY CANADA			
DESIGN NUMBER			269014			
CLASS	(		09-01			
PRINCIPAL PLACE OF 253, PLOT NO. 2/20, B/H N. H. 8-B, VERAVAL GUJARAT, INDIA DATE OF REGISTRATI	I. SARVODA (SHAPER), 7	<b>ΥΑ, ΝΕΑR STREET</b> ΓΑ. ΚΟΤDA SANGAN		). 		
TITLE		BOTTLE				
PRIORITY NA						
DESIGN NUMBER		269096				
CLASS 13-03						
1)MR. KAPIL JAIN AN INDIVIDUAL - INDIAN RESIDENT OF A-302, VASTU PARK, EVERSHINE NAGAR, MALAD (WEST), MUMBAI-400064						
DATE OF REGISTRATION		28/01/2015				
TITLE	SWIT	CH COVER PLATE				
PRIORITY NA						

DESIGN NUMBER	271038			
CLASS	SS 07-02			
INCORPORATED UNDER THE CO PLACE OF BUSINESS AT	<b>ES PVT. LTD. AN INDIAN COMPANY OMPANIES ACT 1956, HAVING REGISTERED</b> D FLOOR, CURRIMBHOY ROAD, BALLARD RASHTRA, INDIA			
DATE OF REGISTRATION	06/04/2015			
TITLE	TIFFIN BOX			
PRIORITY NA				
DESIGN NUMBER	268311			
CLASS	23-02			
1)TOYOX CO., LTD. 4371, MAEZAWA, KUROBE-SH COMPANY	I, TOYAMA-KEN, JAPAN, A JAPANESE			
DATE OF REGISTRATION	19/12/2014			
TITLE	HOSE BOBBIN			
PRIORITY NA				
DESIGN NUMBER	268765			
CLASS	09-07			
<b>INDIA, HAVING ITS REGISTERE</b> 20, A/F, NEW EMPIRE INDUSTE	<b>LIMITED, A COMPANY REGISTERED IN D OFFICE AT</b> NAL ESTATE, KONDIVITA ROAD, J.B.NAGAR, ATE OF MAHARASHTRA, INDIA, OF ABOVE			
DATE OF REGISTRATION	09/01/2015			
TITLE	BOTTLE CAP			
PRIORITY NA				

DESIGN NUMBER		270722	
CLASS		07-99	
1)MA DESIGN INDIA P INCORPORATED IN IND OF BUSINESS AT A-41, SECTOR-80, PHA	IA HAVING ITS	PRINCIPAL PLA	
DATE OF REGISTRATION		30/03/2015	
TITLE		TRAY	
PRIORITY NA			
DESIGN NUMBER		269323	
CLASS		06-08	
1)TFS GLOBAL HANGE UNDER THE LAWS OF G HOHER WEG 2, 48529	ERMANY OF		TING
DATE OF REGISTRATION		05/02/2015	
TITLE	CLOT	THES HANGER	
DESIGN NUMBER	270233		
CLASS	06-	-04	
1)PAUL HETTICH GMH COMPANY OF VAHRENKAMPSTRAS KIRCHLENGERN, GERMA	TRASSE 12-16, 32		
DATE OF REGISTRATION	10/03	/2015	
TITLE	FURNITURE RACK		
PRIORITY PRIORITY NUMBER 002535237	DATE 10/09/2014	COUNTRY OHIM	

DESIGN NUMBER	268858		3858	
CLASS		02	-02	ALA
1)KIT AND ACE DESIG LAWS OF THE PROVINC 123 WEST 7TH AVENU	CE OF BRIT	ISH COLUMBIA, CAN	NADA,	
DATE OF REGISTRATIO	N	14/01	1/2015	
TITLE		GAR	MENT	
PRIORITY PRIORITY NUMBER		DATE	COUNTRY	
157663		17/07/2014	CANADA	
DESIGN NUMBER		269	9022	
CLASS		09	-02	
GUJARAT, INDIA	ATE OF REGISTRATION 21/01/2015 ITLE STORAGE CAN			
	Γ		I	
DESIGN NUMBER		270815		
CLASS		07-02		
1)TTK PRESTIGE LIMI INCORPORATED UNDE HAVING ITS PRINCIPAL AT 11TH FLOOR, BRIC BANGALORE-560025, ST	R THE COM L PLACE OF GADE TOWE	IPANIES ACT 1956, BUSINESS ERS, 135 BRIGADE RO.	AD,	
DATE OF REGISTRATION	31/03/2015			
TITLE		SAUTE PAN		
PRIORITY NA				

DESIGN NUMBER	271054	
CLASS	02-04	
1)FLORENSFOOTWEAR (IN BAHADURGARH, HARYANA, (AN INDIAN COMPANY DU 1956)	ACT,	
DATE OF REGISTRATION	06/04/2015	
TITLE	FOOTWEAR	
PRIORITY NA		
DESIGN NUMBER	223661	
CLASS	09-01	2 - +
1)HAHNEMANN LABORATO 285, B. B. GANGULY STREE		1=1
DATE OF REGISTRATION	06/07/2009	
TITLE	BOTTLE	and the second second
PRIORITY NA		
DESIGN NUMBER	270720	
CLASS	07-01	
BUSINESS AT A-41, SECTOR-80, PHASE-II,	<b>AVING ITS PRINCIPAL PLACE OF</b> NOIDA-201305, U.P. INDIA	
DATE OF REGISTRATION	30/03/2015	and the second in the second second
TITLE	PLATTER	
PRIORITY NA		

DESIGN NUMBER	270231					
CLASS	06-04					P
1)PAUL HETTICH GMBH & CO. KG, A GERMAN COMPANY ( VAHRENKAMPSTRASSE 12-16, 32278 KIRCHLENGERN, GERMANY			ANY OF		THE	
DATE OF REGISTRATION		10/03/2	2015		AT	TUBERT
TITLE		FURNITUR	E RACK		TU	A NOTE OF THE OWNER OWNER OF THE OWNER OWNE
PRIORITY					THE	
PRIORITY NUMBER	DA	ATE	COUNTR	Υ	Alexa	
002535237-0009	10/	/09/2014	OHIM			
DESIGN NUMBER			268	856	I	
CLASS			02-	·02		$\sim$
1)KIT AND ACE DESIGNS LAWS OF THE PROVINCE ( 123 WEST 7TH AVENUE, DATE OF REGISTRATION	OF BRI	TISH COLUM	IBIA, CAN	N <b>ADA,</b> NADA	UNDER THE	
TITLE		GARMENT				
PRIORITY PRIORITY NUMBER 157663		DATE COUNTR 17/07/2014 CANADA				
DESIGN NUMBER		269098				
CLASS	13-03					
1)MR. KAPIL JAIN AN INE RESIDENT OF A-302, VASTU PARK, EVE (WEST), MUMBAI-400064			ALAD		-	
DATE OF REGISTRATION	28/01/2015					
TITLE	SWITCH COVER PLATE					
PRIORITY NA						

DESIGN NUMBER		268483		
CLASS		13-03	the second s	
1)HAVELLS INDIA LIM OFFICE AT 1, RAJ NARAIN MARG			D	
DATE OF REGISTRATION	,	30/12/2014		
TITLE	AUT	FOMATIC CHANGEON SWITCH	/ER	
PRIORITY NA			X	BREED BREED
DESIGN NUMBER		26	8744	
CLASS		08	8-03	
1)SUMITOMO ELECTR CORPORATION, OF 1-1, KOYAKITA 1-CHC				
DATE OF REGISTRATIO	N	09/0	1/2015	K /
TITLE		TIP FOR CU	TTING TOOL	
PRIORITY				
PRIORITY NUMBER		DATE	COUNTRY	
2014-015033		09/07/2014	JAPAN	
DESIGN NUMBER			269410	
CLASS			08-06	
1)GODREJ & BOYCE M LOCKS DIVISION (PLA 400079, MAHARASHTRA,	NT-18),	PIROJSHANAGAR, VI	KHROLI, MUMBAI -	
DATE OF REGISTRATIO	N	0	9/02/2015	
TITLE		HANDLE AND C	OVER PLATE FOR DO	OR
PRIORITY NA				

DESIGN NUMBER		2	69092	
CLASS		1	13-03	
1) <b>MR. KAPIL JAIN</b> <i>A</i> A-302, VASTU PAR 400064			SIDENT OF AD (WEST), MUMBAI-	
DATE OF REGISTRAT	ΓΙΟΝ	28/	01/2015	
TITLE		SWITCH C	COVER PLATE	
PRIORITY NA				
DESIGN NUMBER		269124		
CLASS		13-03		Manual South States and Stat
1) <b>MR. KAPIL JAIN</b> A <b>RESIDENT OF</b> A-302, VASTU PAR (WEST), MUMBAI-4000	K, EVERS	<b>IDUAL - INDIAN</b> HINE NAGAR, MALA	AD	
DATE OF REGISTRATION		28/01/2015		
TITLE	SWI	TCH COVER PLATE	Constant and	Curvé
PRIORITY NA				
DESIGN NUMBER		2	68747	
CLASS		08-03		
1)SUMITOMO ELEC CORPORATION, OF 1-1, KOYAKITA 1-C		R <b>DMETAL CORP.,</b> . FAMI-SHI, HYOGO 6		
DATE OF REGISTRAT	ΓΙΟΝ	09/01/2015		
TITLE		TIP FOR CUTTING TOOL		
PRIORITY				
PRIORITY NUMBER		DATE	COUNTRY	
2014-015036		09/07/2014	JAPAN	

DESIGN NUMBER	26	8494	
CLASS	2	1-02	
1) <b>DECATHLON,</b> 4, BOULEVARD DE MONS, 5965( COMPANY OF FRANCE	), VILLENEUVE D'A	SCQ, FRANCE, A	AB I
DATE OF REGISTRATION	30/1	2/2014	
TITLE	TRANSPORTABL	E SWIMMING POOL	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
001426019-0001	09/10/2014	OHIM	
DESIGN NUMBER		269316	
CLASS		15-07	
1)SHARP KABUSHIKI KAISHA, A 22-22, NAGAIKE-CHO, ABENO-K		ORATION OF	
DATE OF REGISTRATION	(	05/02/2015	
TITLE	REF	RIGERATOR	
2014-017288	08/08/2014	JAPAN	
DESIGN NUMBER		268853	
CLASS		02-02	
1)KIT AND ACE DESIGNS INC., A LAWS OF THE PROVINCE OF BRI 123 WEST 7TH AVENUE, VANCO	TISH COLUMBIA,	CANADA,	HE
DATE OF REGISTRATION	1	4/01/2015	
TITLE		GARMENT	× 1 /
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
157608	14/07/2014	CANADA	
			The sector of th

DESIGN NUMBER		2	269011	0
CLASS			07-02	
1)KONINKLIJKE PE UNDER THE LAWS O EINDHOVEN, WHOSE HIGH TECH CAMP				
DATE OF REGISTRAT	ΓΙΟΝ	21	/01/2015	
TITLE		COOKIN	NG BLENDER	
PRIORITY PRIORITY NUMBER	T.C.			
002506600-0001		22/07/2014	OHIM	
DESIGN NUMBER 269095				
CLASS		13-03		
1)MR. KAPIL JAIN A RESIDENT OF A-302, VASTU PAR (WEST), MUMBAI-4000	K, EVERSHIN			
DATE OF REGISTRATION	2	28/01/2015		
TITLE	SWITCH	I COVER PLATE	A BEAR AND AND	NAME OF TAXABLE PARTY.
PRIORITY NA				
DESIGN NUMBER		2	271036	
CLASS			07-01	
1)M/S HAMILTON HOUSEWARES PVT. LTD. AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT 1956, HAVING REGISTERED PLACE OF BUSINESS AT KAISER-I-HIND BUILDING, 3RD FLOOR, CURRIMBHOY ROAD, BALLARD ESTATE, MUMBAI 400001, MAHARASHTRA, INDIA				
DATE OF REGISTRAT	OF REGISTRATION 06/04/2015			
TITLE			JUG	
PRIORITY NA				

DESIGN NUMBER	268736	
CLASS	08-06	7
PRINCIPAL PLACE OF BUSIN	OPPOSITE PARIN FURNITURE, NEAR DHOKIYA MOTORS,	
DATE OF REGISTRATION	09/01/2015	
TITLE	DOOR HANDLE	-
PRIORITY NA		
DESIGN NUMBER	269407	
CLASS	08-06	1
AN INDIAN PARTNERSHIP FI BUSINESS AT ADDRESS:- 6, PARSANA SOCIETY, 50 F GUJARAT-INDIA	DNAL PARTNER OF RATNAPRABHA HA IRM HAVING ITS PRINCIPAL PLACE O EET ROAD, KOTHARIYA MAIN ROAD, R	F
DATE OF REGISTRATION TITLE	09/02/2015 HANDLE	
		M
PRIORITY NA		
DESIGN NUMBER	269769	
CLASS	09-01	
CO.OP.SOCIETY, DABHEL NA TERRITORIES) DAMAN, INDI INDIAN PARTNERSHIP FIR	<b>VEY NO. 655/IC NEAR SOMNANATH ANI DAMAN, DAMAN-396310, (UNION IA,</b> M, WHOSE PARTNERS ARE RUPA SACH MALIK, ALL INDIAN NATIONALS	DEV,
DATE OF REGISTRATION	23/02/2015	
TITLE	BOTTLE	
PRIORITY NA	I	

DESIGN NUMBER		269090	
CLASS		13-03	
		V <b>AL - INDIAN RESIDENT OF</b> VE NAGAR, MALAD (WEST),	
DATE OF REGISTRATION		28/01/2015	
TITLE	S	WITCH COVER PLATE	
PRIORITY NA			
DESIGN NUMBER		269122	
CLASS		13-03	
		V <b>AL - INDIAN RESIDENT OF</b> IE NAGAR, MALAD (WEST),	
DATE OF REGISTRATION	N	28/01/2015	
TITLE		SWITCH BOTTOM PLATE	• = = = •
PRIORITY NA			
DESIGN NUMBER		271075	
CLASS		05-05	a the way to the on the on the second state of the second se
CHANDER BINDRA,		NDIAN INHABITANT) S/O LAT VILLA, NEAR CSKM SCHOOL,	ত বাঁচ বাঁচ বাঁচ বাঁচ বাঁচ বাঁচ বাঁচ বাঁচ
DATE OF REGISTRATION	N	06/04/2015	Contraction of the contraction of the contraction
TITLE		RIC	
PRIORITY NA			

	1			
DESIGN NUMBER		267343		
CLASS			09-02	
1)STILLHOUSE, LLC, A DELA AN OFFICE AND PLACE OF BU C/O TUCKER & LATIFI, LLP 10028, U.S.A.	JSINE	SS LOCATED AT		
DATE OF REGISTRATION		12	2/11/2014	
TITLE		C	ANISTER	
PRIORITY				
PRIORITY NUMBER		DATE	COUNTRY	
002462564-0001		13/05/2014	OHIM	
DESIGN NUMBER		26848	0	
CLASS		12-16	5	
1)DAULAT S DESHMUKH, 'RAMGANESH' BUNGLOW, SOCIETY, GANESHKHIND RD, G PIN. 411007, INDIA		SHKHIND, PUNE, N	AHARASHTRA,	
DATE OF REGISTRATION		30/12/20	014	
TITLE	VE	HICLE ROOFTOP T	ENT-ENCLOSURE	
PRIORITY NA				
DESIGN NUMBER			269408	
CLASS		08-07		
1)GODREJ & BOYCE MFG. C LOCKS DIVISION (PLANT-18 400079, MAHARASHTRA, INDIA	3), PIR	OJSHANAGAR, VII	KHROLI, MUMBAI -	Contraction of the second seco
DATE OF REGISTRATION		09/02/2015		
TITLE	KEY			A DEAL
PRIORITY NA				

DESIGN NUMBER	269770		
CLASS	09-01		-
1)NAYASA WORLD OF S CO.OP.SOCIETY, DABHEI TERRITORIES) DAMAN, I INDIAN PARTNERSHIP MANASI SACHDEV & KISH	DN		
DATE OF REGISTRATION			
TITLE	BOTTLE		
PRIORITY NA			
DESIGN NUMBER	269091		
CLASS	13-03		
	NDIVIDUAL - INDIAN RESIDENT OF VERSHINE NAGAR, MALAD (WEST), MU	JMBAI-400064	
DATE OF REGISTRATION	28/01/2015		
TITLE	SWITCH COVER PI	ATE	
PRIORITY NA			
DESIGN NUMBER	269123		
CLASS	13-03		Man Res - South and a state of the south
	NDIVIDUAL - INDIAN RESIDENT OF VERSHINE NAGAR, MALAD (WEST),		
DATE OF REGISTRATION	28/01/2015		
TITLE	SWITCH COVER PLATE		
PRIORITY NA			Curvē

DESIGN NUMBER				076	
CLASS				-05	<b>警察 紧张 非 深</b>
1)MR. SIDDHARATH SATISH CHANDER BIT R/O BINDRA FARM, NEW DELHI-110074	NDRA,				
DATE OF REGISTRAT	ION		06/04	/2015	
TITLE			TEXTILE	EFABRIC	
PRIORITY NA					
DESIGN NUMBER		268	683		
CLASS		12-	05	-	
1)MARTIN ENGINEE CORPORATION OF TH ONE MARTIN PLAC UNITED STATES OF AM	<b>HE STATE</b> E, NEPON	OF ILL	INOIS, OF	_	
DATE OF REGISTRATION		07/01/	/2015		
TITLE			ELT SCRAPER E MEMBER		
PRIORITY PRIORITY NUMBER 29/496,386	DAT 11/0	`Е 7/2014	COUNTRY U.S.A.		
DESIGN NUMBER			22313	9	
CLASS			23-04		
1)USHA INTERNATIO SURYA KIRAN BUII 110001, INDIA					1
DATE OF REGISTRAT	ION		02/06/2009		
TITLE	<b>TITLE</b> F		FAN		
PRIORITY NA					

269107			
13-03			
	28/01/2015		
SWI	TCH COVER PLAT	Έ	Corril
	20	58745	
	0	08-03	
N	09/0	01/2015	
	TIP FOR CU	UTTING TOOL	
	09/07/2014	JAPAN	
		269412	
		08-07	A STATE OF S
NT-18), PIRO	DJSHANAGAR, VI	KHROLI, MUMBAI	
N	09	9/02/2015	
	PADLOF	K WITH COVER	and the second se
	SWI SWI C HARDMI ME, ITAMI-S N ME, ITAMI-S N FG. CO. LTI NT-18), PIRC NDIA, INDIA	13-03       NDIVIDUAL - INDIAN RESID       VERSHINE NAGAR, MALAD (       28/01/2015       SWITCH COVER PLAT       20       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       C       DATE       DATE       DATE       O       DATE       O       C	

DESIGN NUMBER	269093	
CLASS	13-03	
	<b>DUAL - INDIAN RESIDENT OF</b> HINE NAGAR, MALAD (WEST), MUMBAI-	
DATE OF REGISTRATION	28/01/2015	
TITLE	SWITCH COVER PLATE	
PRIORITY NA		
DESIGN NUMBER	271711	
CLASS	12-16	
	<b>ED (SWITCH-DIVIS</b> LL. NAWADA FATEPUR, P.O. SIKANDERPUR .GAON, HARYANA-122004, INDIA	
DATE OF REGISTRATION	27/04/2015	and the second second
TITLE	CONTROL SWITCH FOR VEHICLE	
PRIORITY NA		
DESIGN NUMBER	271221	
CLASS	23-04	
UNDER THE PROVISION OF IN ADDRESS AT 5 CORPORATE AVENUE, "B' GOREGAON (EAST), MUMBAI-40		
DATE OF REGISTRATION	08/04/2015	
TITLE	AIR COOLER	2
PRIORITY NA		

DESIGN NUMBER		2686	29	
CLASS		28-0	03	
1)KONINKLIJKE PHILI AND EXISTING UNDER T NETHERLANDS, RESIDI OFFICE ADDRESS IS HIGH TECH CAMPUS 5 NETHERLANDS	THE LAW	VS OF THE KI INDHOVEN, V	A THE DESCRIPTION OF THE OWNER OWNE	
DATE OF REGISTRATION		02/01/2	2015	(PERMANANA)
TITLE	COMB	FOR GROOM	ING APPARATUS	
PRIORITY				Adversion de la construction de
PRIORITY NUMBER	DA	ATE	COUNTRY	
002496497-0006	04	/07/2014	OHIM	
DESIGN NUMBER		269921		
CLASS		10-04		
125, AMAR INDL. ESTA ANDHERI-(E), MUMBAI-40 DATE OF REGISTRATION TITLE PRIORITY NA	00052	. ROAD, SAKI 27/02/201 ER METER EN	5	
		1		
DESIGN NUMBER			270366	
CLASS06-011)MR. MOHAMMED ADATTIL, (INDIAN) MANAGING PARTNELCLASSY FURNITURE, OPP. TOWN HALL, MUNICIPAL SHOPPING COMPLEX, KALAMA COCHIN KERALA, INDIADATE OF REGISTRATION16/03/2015				
TITLE			CHAIR	Contraction of the local division of the loc
PRIORITY NA		1		E Shedara

DESIGN NUMBER	20	68862	
CLASS	(	)2-02	
1)KIT AND ACE DESIGNS THE LAWS OF THE PROVIN 123 WEST 7TH AVENUE,	NCE OF BRITISH COLU	U <b>MBIA, CANADA,</b>	
DATE OF REGISTRATION	14/	01/2015	
TITLE	SW	EATER	
PRIORITY		COUNTRY	
PRIORITY NUMBER	DATE	COUNTRY	
157663	17/07/2014	CANADA	
DESIGN NUMBER		269104	
CLASS		13-03	
1)MR. KAPIL JAIN AN IND A-302, VASTU PARK, EVE			I-400064
DATE OF REGISTRATION		28/01/2015	
TITLE	SWI	TCH COVER PLATE	
PRIORITY NA			Card
DESIGN NUMBER	270822	2	
CLASS	12-11		
1)TUBE INVESTMENTS OF COMPANY INCORPORATE 1956, HAVING ITS PRINCIP AT "DARE HOUSE" • , 234 600001, STATE OF TAMIL NA	D UNDER THE COMPA AL PLACE OF BUSINE , N. S. C. BOSE ROAD, C	ANIES ACT OF SS	
DATE OF REGISTRATION	31/03/20	15	
TITLE	FRAME FOR E	BICYCLE	
PRIORITY NA			

DESIGN NUMBER		271144			
CLASS		09-03			
1)SWASTIKS LUBRICAN HAVING ITS ADDRESS AT 2608, DAL MANDAL, AH ABOVE ADDRESS, INDIAN	MEDN	AGAR, MAHARA			
DATE OF REGISTRATION			07/04/2015		
TITLE			CONTAINER		
PRIORITY NA					
DESIGN NUMBER		269325			$\sim$
CLASS		06-08			2 )
1)TFS GLOBAL HANGER UNDER THE LAWS OF GE HOHER WEG 2, 48529 NO	RMAN	Y OF	I, EXISTING		
DATE OF REGISTRATION		05/02/2015			
TITLE		CLOTHES HAN	IGER		
PRIORITY NA				6	
DESIGN NUMBER		2702	235		
CLASS		06-04		<u>83</u>	Imathem
1) <b>PAUL HETTICH GMBH</b> VAHRENKAMPSTRASTI GERMANY					
DATE OF REGISTRATION		10/03/2015		×	
TITLE		FURNITURE RACK			
PRIORITY					Contraction of the second s
PRIORITY NUMBER		DATE	COUNTRY		
002535237		10/09/2014 OHIM			

DESIGN NUMBER		2'	70363	
CLASS		(	02-02	
	JVAN, BH	NDIVIDUAL - INDIAN R IAGAT SINGH ROAD, VII		
DATE OF REGISTRAT	ION	16/	03/2015	
TITLE		A	PRON	$\cap$
PRIORITY NA				
DESIGN NUMBER		26910	2	
CLASS		13-03		
		<b>DUAL - INDIAN RESIDE</b> HINE NAGAR, MALAD (W		
DATE OF REGISTRAT	DATE OF REGISTRATION		015	
TITLE		SWITCH COVE	ER PLATE	
PRIORITY NA				
DESIGN NUMBER		270817		
CLASS		07-02		
INCORPORATED UND HAVING ITS PRINCIP	<b>ER THE</b> <b>AL PLAC</b> RIGADE T	OWERS, 135 BRIGADE		
DATE OF REGISTRATION		31/03/2015		
TITLE		COOKING PAN		
PRIORITY NA				

DESIGN NUMBER	223916	
CLASS	09-01	
	<b>D DISTILLERS PVT. LTD.</b> LAMINGTON CHAMBERS, LAMINGTON SHTRA, INDIA	VROAD,
DATE OF REGISTRATION	21/07/2009	AL TOTAL
TITLE	BOTTLE	
PRIORITY NA		
DESIGN NUMBER	268822	
CLASS	04-01	
1) <b>MADAN MOHAN MANO</b> 178 CL MODEL TOWN K. INDIAN	<b>DCHA,</b> ARNAL, HARYANA, INDIA, POST CODE	: 132001,
DATE OF REGISTRATION	12/01/2015	
TITLE	TOOTHBRUSH	
PRIORITY NA	260220	
DESIGN NUMBER	269338	
CLASS	23-02	
INDIAN NATIONALS AND D ENTERPRISE AN INDIAN P PRINCIPAL PLACE OF BUS 242, VIJAY ESTATE, CEN	ARTNERSHIP FIRM HAVING ITS	
DATE OF REGISTRATION	05/02/2015	
TITLE	BATHROOM SOAP DISH	
PRIORITY NA		

DESIGN NUMBER		2	269936	$\sim$
CLASS	09-01			
1) <b>PEPSICO, INC., INC</b> 700 ANDERSON HILI OF AMERICA			<b>LINA OF</b> (10577, UNITED STATES	
DATE OF REGISTRATI	ON	27	/02/2015	-B
TITLE		В	OTTLE	
PRIORITY PRIORITY NUMBER 29/500,925		DATE 29/08/2014	COUNTRY U.S.A.	
DESIGN NUMBER			268900	
CLASS			25-02	
1)THALES COMMUNICATIONS & SECURITY SASIMPLIFIÉE (SAS) OF4, AVENUE DES LOUVRESSES 92230 GENNEVILIDATE OF REGISTRATIONTITLE		230 GENNEVILLIER 16		
PRIORITY			COUNTRY	
PRIORITY NUMBER		DATE	COUNTRY	
002505487-0001		18/07/2014	OHIM	
DESIGN NUMBER		269109		
CLASS		13-03		
1)MR. KAPIL JAIN AN RESIDENT OF A-302, VASTU PARK (WEST), MUMBAI-40006 DATE OF REGISTRATION	, EVERSHINE			
TITLE	SWITC	TCH COVER PLATE		
PRIORITY NA				Curvé

DESIGN NUMBER		272533		
CLASS		18-02		7
1)MR. SANDIP KUMAR S NABA ANANYA, CO-OI FLAT NO. B-3/20, 5TH FLO BENGAL-713305, MR. XIAO JINJI ROAD, QIANSHAN TO GUANGDONG PROVINCE, HAVING ITS REGISTERED FLOOR, RICHMOND ROAD NATIONALITY: INDIAN, C				
DATE OF REGISTRATION	N	04/06/201	5	
TITLE		CARTRIDO	ĴΈ	
PRIORITY NA				
DESIGN NUMBER		270767		
CLASS		09-03		1-2-1
1)RAKESH KISHORELA PRODUCTS AT PLOT NO. 1, OPP. GOPA ULHASNAGAR-421003, DIS				
DATE OF REGISTRATION	N	30/03/201: CONTAINER FOR STO		
PRIORITY NA				
DESIGN NUMBER		269106	_	
CLASS		13-03	No. of the Party of the Party of the	States and the second
,		<b>AL - INDIAN RESIDENT OF</b> E NAGAR, MALAD (WEST),		
DATE OF REGISTRATION		28/01/2015		
TITLE	SV	WITCH COVER PLATE	The second	
PRIORITY NA				Curvē

DESIGN NUMBER		270824		
CLASS		12-11		
1)TUBE INVESTMENT COMPANY INCORPORA OF 1956, HAVING ITS PI AT "DARE HOUSE", 2 600001, STATE OF TAMII	ATED UN RINCIPAI 34, N. S. C	<b>DER THE COMPAN</b> L <b>PLACE OF BUSIN</b> C. BOSE ROAD, CHEN	IES ACT ESS	K
DATE OF REGISTRATION		31/03/2015		
TITLE		FRAME FOR BICY	CLE	
PRIORITY NA				
DESIGN NUMBER			268312	
CLASS			23-01	
1)TOYOX CO., LTD. 4371, MAEZAWA, KU COMPANY DATE OF REGISTRATIO			PAN, A JAPANESE	
TITLE			CONNECTOR	
PRIORITY PRIORITY NUMBER		DATE	COUNTRY	
	2014-013438			
		20/06/2014	JAPAN	
2014-013438		20/06/2014 269492	JAPAN	
			JAPAN	
2014-013438 DESIGN NUMBER CLASS 1)BAJAJ ELECTRICAI REGISTERED IN INDIA OFFICE AT, 45/47, VEER NARIMA	, <b>HAVIN</b> G N ROAD,	269492 07-05 ED, A COMPANY S ITS REGISTERED MUMBAI 400023,		
2014-013438 DESIGN NUMBER CLASS 1)BAJAJ ELECTRICAI REGISTERED IN INDIA OFFICE AT,	, <b>HAVIN</b> G N ROAD,	269492 07-05 ED, A COMPANY S ITS REGISTERED MUMBAI 400023,		
2014-013438 DESIGN NUMBER CLASS 1)BAJAJ ELECTRICAI REGISTERED IN INDIA OFFICE AT, 45/47, VEER NARIMA STATE OF MAHARASHT DATE OF	, <b>HAVIN</b> G N ROAD,	269492 07-05 ED, A COMPANY FITS REGISTERED MUMBAI 400023, A, OF ABOVE ADDR		

DESIGN NUMBER			269324			$\sim$
CLASS		06-08				(
1) <b>TFS GLOBAL HANGER</b> <b>UNDER THE LAWS OF GE</b> HOHER WEG 2, 48529 N	RMANY (	)F		ΓING		
DATE OF REGISTRATION			05/02/2015			
TITLE		CLOT	THES HANG	ER		
PRIORITY NA					C	
DESIGN NUMBER		270	234			
CLASS		06-	.04		-	
1)PAUL HETTICH GMBH & CO. KG, A GERMAN COMPANY OF VAHRENKAMPSTRASTRASSE 12-16, 32278 KIRCHLENGERN, GERMANY						
DATE OF REGISTRATION		10/03	/2015			A BARRIER CONTRACTOR
TITLE		FURNITU	RE RACK			Alter ( Charles and a start of the start of
PRIORITY						Children and a state of the sta
PRIORITY NUMBER	DAT	E	COUNTRY	ζ.		1
002535237	10/09	/2014	OHIM			
DESIGN NUMBER			268	3859		
CLASS		02-02			ALA	
1)KIT AND ACE DESIGN LAWS OF THE PROVINCE 123 WEST 7TH AVENUE	OF BRIT	ISH COLU	JMBIA, CAN	NADA,	OUNDER THE	
DATE OF REGISTRATION	DATE OF REGISTRATION		14/01/2015			
TITLE		GARMENT				
PRIORITY		<b>D</b> 4 <b>D</b> 5				
PRIORITY NUMBER		DATE COU				
157663		17/07/2	014	CAN	ADA	Contractor and the second second
						and the Market

DESIGN NUMBER	269101	
CLASS	13-03	
	/ <b>IDUAL - INDIAN RESIDENT OF</b> SHINE NAGAR, MALAD (WEST), MUMBAI-400	064
DATE OF REGISTRATION	28/01/2015	
TITLE	SWITCH COVER PLATE	
PRIORITY NA		
DESIGN NUMBER	270816	
CLASS	07-02	
PRINCIPAL PLACE OF BUSIN	E COMPANIES ACT 1956, HAVING ITS ESS TOWERS, 135 BRIGADE ROAD,	
DATE OF REGISTRATION	31/03/2015	
TITLE	COOKING PAN	
PRIORITY NA		
DESIGN NUMBER	271055	
CLASS	02-04	
BAHADURGARH, HARYANA,	<b>DIA) PVT. LTD., 25/17/2, M.I.E., PART-A, INDIA</b> LY REGISTERED UNDER THE COMPANIES AC	Т,
DATE OF REGISTRATION	06/04/2015	
TITLE	FOOTWEAR	
PRIORITY NA		

2014-015035	09/07/2014	JAPAN	
PRIORITY PRIORITY NUMBER	DATE	COUNTRY	
TITLE	TIP FOR C	CUTTING TOOL	
DATE OF REGISTRATION	09/	/01/2015	
1)SUMITOMO ELECTRIC HAI CORPORATION, OF 1-1, KOYAKITA 1-CHOME, IT.	,		
CLASS		08-03	
DESIGN NUMBER	2	268746	
PRIORITY NUMBER 001426019-0001	DATE 09/10/2014	COUNTRY OHIM	
PRIORITY			2
TITLE		BAG	he is
4, BOULEVARD DE MONS, 59 COMPANY OF FRANCE DATE OF REGISTRATION	650, VILLENEUVE D'	ASCQ, FRANCE, A 30/12/2014	
1)DECATHLON,		05-01	$\wedge$
DESIGN NUMBER CLASS		268493 03-01	
PRIORITY NA		2.0.02	
TITLE	WA	20/07/2009 ATER CLOSET	1000
BAHADURGARH - 124507, DIS			
1)HSIL LIMITED,		25-02	.0.
CLASS		23-02	

DESIGN NUMBER			269315		
CLASS		15-07			
1)SHARP KABUSHIKI K 22-22, NAGAIKE-CHO,			ORATION	OF	
DATE OF REGISTRATION	N	0	5/02/2015		
TITLE		REF	RIGERATO	DR	
PRIORITY PRIORITY NUMBER		DATE	COL	INTRY	
2014-017289		08/08/2014	JAP		
DESIGN NUMBER		269094			
CLASS		13-03			
A-302, VASTU PARK, E MUMBAI-400064 DATE OF REGISTRATION	VERSHINI	E NAGAR, MALAD 28/01/2015	(WEST),		
TITLE	SW	VITCH COVER PLAT	ГЕ	R. S. BALLER	
PRIORITY NA				-	
DESIGN NUMBER			268411		<u></u>
CLASS			16-06		
1)CARL ZEISS MEDITE UNDER THE LAWS OF GI GOESCHWITZER STRA	ERMANY,	OF		AND EXISTING	
DATE OF REGISTRATION	TE OF REGISTRATION 24/12/2014				
TITLE		SURGICAL MICROSCOPE			
PRIORITY					
PRIORITY NUMBER		DATE		INTRY	1 to Part
2014 302 12 271.4		30/06/2014	CHI	NA	

DESIGN NUMBER		268734		
CLASS		08-06		
1)SANVI ENTERPRISE PRINCIPAL PLACE OF T NATIONAL HIGHWA FURNITURE, KOTHARIY DHOKIYA MOTORS, KOT GUJARAT, INDIA DATE OF REGISTRATION	BUSINESS Y 8-B, OPPO A SOLVEN	DSITE PARIN T AREA, NEAR		
TITLE		DOOR HANDLE		
PRIORITY NA	I			
DESIGN NUMBER		26926	3	
CLASS		12-16	5	
	HOMÍ MOL	INDIAN COMPANY OF DY STREET, HUTATMA CH	IOWK, MUMBAI	
DATE OF REGISTRATION	ON	03/02/20	015	
TITLE		VEHICLE FIREWAI	LL GROMMET	
PRIORITY NA				C I
DESIGN NUMBER		26976	7	
CLASS		09-01		
CO.OP.SOCIETY, DABH TERRITORIES) DAMAN INDIAN PARTNERSH	I <mark>EL NANI C</mark> 8 <b>, INDIA,</b> 1P FIRM, W	NO. 655/IC NEAR SOMNA AMAN, DAMAN-396310, ( HOSE PARTNERS ARE RU IK, ALL INDIAN NATIONA	UNION PA SACHDEV,	
DATE OF REGISTRATION	ATE OF REGISTRATION 23/02/2015		)15	
TITLE		BOTTI	LE	
PRIORITY NA				

DESIGN NUMBER	269088	
CLASS	13-03	
	IDUAL - INDIAN RESIDENT OF HINE NAGAR, MALAD (WEST), MUMBAI-	
DATE OF REGISTRATION	28/01/2015	
TITLE	SWITCH COVER PLATE	
PRIORITY NA		
DESIGN NUMBER	268310	
CLASS	23-02	
1)TOYOX CO., LTD. 4371, MAEZAWA, KUROBE-S COMPANY	SHI, TOYAMA-KEN, JAPAN, A JAPANESE	
DATE OF REGISTRATION	19/12/2014	
TITLE	HOSE BOBBIN	
PRIORITY NA		
DESIGN NUMBER	270721	
CLASS	07-01	
1)MA DESIGN INDIA PRIVAT INDIA HAVING ITS PRINCIPAL A-41, SECTOR-80, PHASE-II, DATE OF REGISTRATION		
TITLE	ICE BUCKET	and the second second
PRIORITY NA		

DESIGN NUMBER		269322		March 1
CLASS		06-08		$\cap$
1)TFS GLOBAL HAN UNDER THE LAWS O HOHER WEG 2, 485	F GERMANY (	)F	ISTING	4
DATE OF REGISTRATION		05/02/2015		
TITLE		CLOTHES HANGER		
PRIORITY NA				
DESIGN NUMBER	2	70232		
CLASS		06-04		
1) <b>PAUL HETTICH G COMPANY OF</b> VAHRENKAMPSTF KIRCHLENGERN, GER	RASSE 12-16, 32			ALTHERE
DATE OF REGISTRATION	10/	03/2015	TT Lake	
TITLE	FURNI	FURE RACK	179944177	LHTT Line
PRIORITY PRIORITY NUMBER 002535237	DATE 10/09/2014	COUNTRY OHIM		TILL Contraction
	I	I		
DESIGN NUMBER			268857	
CLASS			02-02	
1)KIT AND ACE DES LAWS OF THE PROV 123 WEST 7TH AVE	INCE OF BRIT	ISH COLUMBIA, C		
DATE OF REGISTRAT	ΓΙΟΝ	14	/01/2015	
TITLE		GA	ARMENT	
PRIORITY				
PRIORITY NUMBER		DATE	COUNTRY	
157663		17/07/2014	CANADA	

DESIGN NUMBER	269099	
CLASS	13-03	
1)MR. KAPIL JAIN AN INDIVIDU A-302, VASTU PARK, EVERSHIN	V <b>AL - INDIAN RESIDENT OF</b> NE NAGAR, MALAD (WEST), MUMBAI-400064	
DATE OF REGISTRATION	28/01/2015	
TITLE	SWITCH COVER PLATE	
PRIORITY NA		
DESIGN NUMBER	270813	
CLASS	12-16	
THE COMPANIES ACT OF 1956, H BUSINESS AT NEW 2ND & 3RD FLOOR, KHIVE	DIAN COMPANY, INCORPORATED UNDER AVING ITS PRINCIPAL PLACE OF RAJ BUILDING, NO. 616, ANNASALAI, IL NADU, INDIA, AND REGISTERED OFFICE OF MAHARASHTRA, INDIA 31/03/2015	6.9
TITLE	WHEEL RIM FOR VEHICLE	
PRIORITY NA		
DESIGN NUMBER	271051	
CLASS	02-04	
BAHADURGARH, HARYANA, IND	<b>PVT. LTD., 25/17/2, M.I.E., PART-A, IA</b> REGISTERED UNDER THE COMPANIES ACT,	
DATE OF REGISTRATION	06/04/2015	
TITLE	FOOTWEAR	
PRIORITY NA		

DESIGN NUMBER		22	23628	
CLASS		1	13-03	
1) <b>PHILIPS ELECT</b> 9TH FLOOR, DLF- INDIA			E 3, GURGAON-122 002,	
DATE OF REGISTRA	ATION	03/	07/2009	
TITLE		2/3 PIN SOCKE	ET WITH SHUTTER	
PRIORITY NA				
DESIGN NUMBER			268409	
CLASS			16-06	
UNDER THE LAWS	OF GERMANY		<b>RGANIZED AND EXISTI</b> MANY	NG
DATE OF REGISTRA	ATION		24/12/2014	()
TITLE		SURGIC	CAL MICROSCOPE	
PRIORITY				
PRIORITY NUMBER		DATE	COUNTRY	
2014 302 12 271.4		30/06/2014	CHINA	—
	~	0720		
DESIGN NUMBER CLASS		58732 8-06		
1)SANVI ENTERPH HAVING ITS PRINC NATIONAL HIGH FURNITURE, KOTHA DHOKIYA MOTORS, 360004, GUJARAT, IN	RISE, AN INDIA IPAL PLACE O WAY 8-B, OPPC RIYA SOLVEN' KOTHARIYA, I	N ENTITY F BUSINESS AT OSITE PARIN T AREA, NEAR		
DATE OF REGISTRATION		01/2015	THE REAL PROPERTY.	
TITLE	DOOR	HANDLE		
PRIORITY NA				

DESIGN NUMBER	269401	
CLASS	12-16	
OF BOMBAY HOUSE,	<b>IMITED, AN INDIAN COMPANY</b> 24 HOMI MODY STREET, //UMBAI 400001, MAHARASHTRA,	APIN
DATE OF	09/02/2015	
REGISTRATION		
TITLE	WIRING HARNESS PROTECTION CHANNEL OF A VEHICLE	
PRIORITY NA		
DESIGN NUMBER	269763	
CLASS	23-01	
	<b>TED, AN INDIAN COMPANY OF</b> 9, 3RD FLOOR, ROOM NO. 9, EST BENGAL, INDIA	
DATE OF REGISTRATION	23/02/2015	
TITLE	PIPE WITH LEAKPROOF RING	
PRIORITY NA		
DESIGN NUMBER	269086	
CLASS	13-03	
<b>RESIDENT OF</b>	<b>AN INDIVIDUAL - INDIAN</b> K, EVERSHINE NAGAR, MALAD 064	
DATE OF REGISTRATION	28/01/2015	
TITLE	SWITCH COVER PLATE	
PRIORITY NA		

26911	18	
13-0	3	
28/01/2	2015	
SWITCH COV	TER PLATE	
27	1536	
23	3-03	AND SAME OF DESCRIPTION OF
AT LINES, DELHI-110054.		
20/04	4/2015	
WATER	HEATER	
		III III
2	267959	
	28-03	
AMERICA HAVING ITS IENT - 3E, ONE GILLETT	<b>REGISTERED OFFICE</b> 'E PARK, BOSTON,	
05	110 1001 1	
05,	/12/2014	
	/12/2014 RAZOR	
	13-0 DUAL - INDIAN RESIDI HINE NAGAR, MALAD (N 28/01/2 SWITCH COV SWITCH COV AT LINES, DELHI-110054. 20/0 WATER ACOMPANY INCORPORT AMERICA HAVING ITS IENT - 3E, ONE GILLETT D STATES OF AMERICA	LINES, DELHI-110054. 20/04/2015 WATER HEATER 267959 28-03 A COMPANY INCORPORATED UNDER THE AMERICA HAVING ITS REGISTERED OFFICI IENT - 3E, ONE GILLETTE PARK, BOSTON, D STATES OF AMERICA

I4-03         USAMSUNG ELECTRONICS CO, LTD, A KOREAN COMPANY, OF         129, SAMSUNG-RO, YENOGTONG-GU; SUWON-SI, GYEONGGL-DO 443-742,         REPUBLIC OF KOREA         DATE OF REGISTRATION         24/12/2014         TITLE         MOBILE PHONE         PRIORITY NUMBER         DATE         COUNTRY         30-2014-0048603         08/10/2014         REPUBLIC OF KOREA         DESIGN NUMBER         10/2014         DESIGN NUMBER         10/2014         ISANVI ENTERPRISE, AN INDIAN ENTITY HAVING ITS PRINCIPAL PLACE         OF BUSINESS AT         NATIONAL HIGHWAY 8-B, OPPOSITE PARIN FURNITURE, KOTHARIYA,         SATIONAL HIGHWAY 8-B, OPPOSITE PARIN FURNITURE, KOTHARIYA         SOLVENT AREA, NEAR DHOKIYA MOTORS, KOTHARIYA, DIST. RAJKOT-360004,         DATE OF REGISTRATION         09/01/2015         TITLE         DOOR HANDLE         PRIORITY NUMBER         COLUMERCHERCHE ET TECHNIQUE S.A., A SWISS COMPANY OF ROUTE <tr< th=""><th>DESIGN NUMBER</th><th></th><th>268</th><th>401</th><th></th></tr<>	DESIGN NUMBER		268	401	
129, SAMSUNG.RO, YEONGTONG-GU; SUWON-SI, GYEONGGLDO 443-742,         REPUBLIC OF KOREA         DATE OF REGISTRATION         24/12/2014         TITLE         MOBILE PHONE         PRIORITY         PRIORITY NUMBER         DATE OF REGISTRATION         08/10/2014         REPUBLIC OF KOREA         DESIGN NUMBER         CLASS         08/00/2014         REPUBLIC OF KOREA         DESIGN NUMBER         19/00/2015         TITLE         DOOR HANDLE         OF BUSINESS AT         NATIONAL HIGHWAY 8-B, OPPOSITE PARIN FURNITURE, KOTHARIYA         SOLVENT AREA, NEAR DHOKIYA MOTORS, KOTHARIYA, DIST: RAJKOT-360004,         GUARAT, INDIA         DATE OF REGISTRATION         09/01/2015         TITLE         DOOR HANDLE         PRIORITY NA         DESIGN NUMBER         12-00         PRIORITY NA         DESIGN NUMBER         12-00         CHARAS I: COUNT SABLON, F-63000, CLERMONT-FERRAND, FRANCE,         AND         MICHELIN RECHERCHE ET TECHNIQUE S.A., A SWISS COMPANY OF ROUTE         LOUIS: BRAILLE 10 - CH-1763 GRANGES-PACCOT, SWITZERLAND         DATE OF RE	CLASS		14	-03	
TITLE       MOBILE PHONE         PRIORITY       DATE       COUNTRY         30-2014-0048603       08/10/2014       REPUBLIC OF KOREA         DESIGN NUMBER       268730       CLASS         02014-0048603       08/10/2014       REPUBLIC OF KOREA         DESIGN NUMBER       268730       CLASS         01500000000000000000000000000000000000	129, SAMSUNG-RO, YEONG				8
PRIORITY         PRIORITY NUMBER       DATE         30-2014-0048603       08/10/2014         REPUBLIC OF KOREA         DESIGN NUMBER       268730         CLASS       08-06         I)SANVI ENTERPRISE, AN INDIAN ENTITY HAVING ITS PRINCIPAL PLACE OF BUSINESS AT NATIONAL HIGHWAY 8-B. OPPOSITE PARIN FURNITURE, KOTHARIYA SOLVENT AREA, NEAR DHOKIYA MOTORS, KOTHARIYA, DIST: RAJKOT-360004, GUJARAT, INDIA       IIIII E         DATE OF REGISTRATION       09/01/2015         TITLE       DOOR HANDLE         PRIORITY NA       I2-15         DESIGN NUMBER       269171         CLASS       12-15         I)COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, A FRENCH COMPANY OF 12 COURS SABLON, F-63000, CLEMIONT-FERRAND, FRANCE, AND         MICHELIN RECHERCHE ET TECHNIQUE S.A., A SWISS COMPANY OF ROUTE LOUIS- BRAILE 10 - CH-1763 GRANOES-PACCOT, SWITZERLAND         DATE OF REGISTRATION       29/01/2015         TITLE       TYRE         PRIORITY       NUMBER         PRIORITY       DATE	DATE OF REGISTRATION		24/12	2/2014	
PRIORITY NUMBER       DATE       COUNTRY         30-2014-0048603       08/10/2014       REPUBLIC OF KOREA         DESIGN NUMBER       268730         CLASS       08-06         IJSANVI ENTERPRISE, AN INDIAN ENTITY HAVING ITS PRINCIPAL PLACE       OF BUSINESS AT         NATIONAL HIGHWAY 8-B, OPPOSITE PARIN FURNITURE, KOTHARIYA       SOLVENT AREA, NEAR DHOKIYA MOTORS, KOTHARIYA, DIST: RAJKOT-360004,         GUJARAT, INDIA       09/01/2015       TITLE         DATE OF REGISTRATION       09/01/2015         TITLE       DOOR HANDLE         PRIORITY NA       DOOR HANDLE         DESIGN NUMBER       269171         CLASS       12-15         I)COMPAGNE GENERALE DES ET ABLISSEMENTS MICHELIN, A FRENCH         COMPANY OF 12 COURS SABLON, F-63000, CLERMONT-FERRAND, FRANCE,         AND       MICHELIN RECHERCHE ET TECHNIQUE S.A., A SWISS COMPANY OF ROUTE         LOUIS- BRAILLE 10 - CH-1763 GRANGES-PACCOT, SWITZERLAND         DATE       TYRE         PRIORITY       PRIORITY NUMBER         DATE       COUNTRY	TITLE		MOBILE	E PHONE	
30-2014-0048603       08/10/2014       REPUBLIC OF KOREA         DESIGN NUMBER       268730         CLASS       08-06         JSANVI ENTERPRISE, AN INDIAN ENTITY HAVING ITS PRINCIPAL PLACE OF BUSINESS AT       NATIONAL HIGHWAY 8-B, OPPOSITE PARIN FURNITURE, KOTHARIYA, SOLVENT AREA, NEAR DHOKIYA MOTORS, KOTHARIYA, DIST: RAJKOT-360004, GUJARAT, INDIA       Image: Comparison of the two states of the two states of the two states of two stwo states of two states of two stwo states of	PRIORITY				
DESIGN NUMBER       268730         CLASS       08-06         I)SANVI ENTERPRISE, AN INDIAN ENTITY HAVING ITS PRINCIPAL PLACE       OF BUSINESS AT         NATIONAL HIGHWAY 8-B, OPPOSITE PARIN FURNITURE, KOTHARIYA       DSIC PARIN FURNITURE, KOTHARIYA         SOLVENT AREA, NEAR DHOKIYA MOTORS, KOTHARIYA, DIST: RAJKOT-360004,       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	PRIORITY NUMBER	DATE	COUNTRY		C
CLASS       08-06         1)SANVI ENTERPRISE, AN INDIAN ENTITY HAVING ITS PRINCIPAL PLACE OF BUSINESS AT NATIONAL HIGHWAY 8-B, OPPOSITE PARIN FURNITURE, KOTHARIYA SOLVENT AREA, NEAR DHOKIYA MOTORS, KOTHARIYA, DIST: RAJKOT-360004, GUJARAT, INDIA       Image: Constraint of the second s	30-2014-0048603	08/10/2014	REPUBLIC	OF KOREA	
I)SANVI ENTERPRISE, AN INDIAN ENTITY HAVING ITS PRINCIPAL PLACE OF BUSINESS AT NATIONAL HIGHWAY 8-B, OPPOSITE PARIN FURNITURE, KOTHARIYA SOLVENT AREA, NEAR DHOKIYA MOTORS, KOTHARIYA, DIST: RAJKOT-360004, GUJARAT, INDIA         DATE OF REGISTRATION 09/01/2015         DATE OF REGISTRATION 09/01/2015         TITLE         DOOR HANDLE         PRIORITY NA         DESIGN NUMBER 269171         CLASS 12-15         I)COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, A FRENCH, COMPANY OF 12 COURS SABLON, F-63000, CLERMONT-FERRAND, FRANCE, AND         MICHELIN RECHERCHE ET TECHNIQUE S.A., A SWISS COMPANY OF ROUTE LOUIS- BRAILLE 10 - CH-17/63 GRANGES-PACCOT, SWITZERLAND         DATE OF REGISTRATION 29/01/2015         TITLE         PRIORITY         PRIORITY NUMBER         DATE         PRIORITY NUMBER	DESIGN NUMBER		268	730	
OF BUSINESS AT NATIONAL HIGHWAY 8-B, OPPOSITE PARIN FURNITURE, KOTHARIYA SOLVENT AREA, NEAR DHOKIYA MOTORS, KOTHARIYA, DIST: RAJKOT-360004, GUJARAT, INDIA       Image: Constraint of the state of the	CLASS		08	-06	
TITLE       DOOR HANDLE         PRIORITY NA       Image: Constraint of the state of th	OF BUSINESS AT NATIONAL HIGHWAY 8-B, SOLVENT AREA, NEAR DHOKI GUJARAT, INDIA	OPPOSITE PAR	RIN FURNITUH KOTHARIYA,	RE, KOTHARIYA DIST: RAJKOT-360004,	
PRIORITY NA         DESIGN NUMBER       269171         CLASS       12-15         I)COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, A FRENCH COMPANY OF 12 COURS SABLON, F-63000, CLERMONT-FERRAND, FRANCE, AND       Inchelin Recherche et technique s.a., a Swiss company of route LOUIS- BRAILLE 10 - CH-1763 GRANGES-PACCOT, SWITZERLAND         DATE OF REGISTRATION       29/01/2015         TITLE       TYRE         PRIORITY       NUMBER         DATE       COUNTRY					
I)COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, A FRENCH COMPANY OF 12 COURS SABLON, F-63000, CLERMONT-FERRAND, FRANCE, AND MICHELIN RECHERCHE ET TECHNIQUE S.A., A SWISS COMPANY OF ROUTE LOUIS- BRAILLE 10 - CH-1763 GRANGES-PACCOT, SWITZERLAND         DATE OF REGISTRATION       29/01/2015         TITLE       TYRE         PRIORITY       DATE         PRIORITY NUMBER       DATE	DESIGN NUMBER		269	171	
I)COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, A FRENCH COMPANY OF 12 COURS SABLON, F-63000, CLERMONT-FERRAND, FRANCE, AND MICHELIN RECHERCHE ET TECHNIQUE S.A., A SWISS COMPANY OF ROUTE LOUIS- BRAILLE 10 - CH-1763 GRANGES-PACCOT, SWITZERLAND         DATE OF REGISTRATION       29/01/2015         TITLE       TYRE         PRIORITY       DATE         PRIORITY NUMBER       DATE					
COMPANY OF 12 COURS SABLON, F-63000, CLERMONT-FERRAND, FRANCE,         AND       MICHELIN RECHERCHE ET TECHNIQUE S.A., A SWISS COMPANY OF ROUTE         LOUIS- BRAILLE 10 - CH-1763 GRANGES-PACCOT, SWITZERLAND       DATE OF REGISTRATION         DATE OF REGISTRATION       29/01/2015         TITLE       TYRE         PRIORITY       PRIORITY         PRIORITY NUMBER       DATE					
TITLE     TYRE       PRIORITY       PRIORITY NUMBER     DATE	COMPANY OF 12 COURS SAB AND MICHELIN RECHERCHE ET	LON, F-63000, TECHNIQUE S	CLERMONT-	FERRAND, FRANCE,	
PRIORITY PRIORITY NUMBER DATE COUNTRY	DATE OF REGISTRATION	DATE OF REGISTRATION 29/01/2015			
PRIORITY NUMBER DATE COUNTRY	ITLE TYRE				
	PRIORITY NUMBER				

DESIGN NUMBER		269370				
CLASS		08-06				
1)DEEPAK KUMAR AGENCIES, CARRYIN NO. 26, DEVARAJ M CHENNAI-600003 INDI DATE OF REGISTRA	<b>NG ON BUSIN</b> MUDALI STRE IA		RK TOWN			
TITLE		DOOR HAND	DLE	a des		
PRIORITY NA						
DESIGN NUMBER			270169			
CLASS			09-01			
1)NAYASA POLYPL DAMAN, DAMAN-396 INDIAN PARTNERS LAXMINARAYAN MA	<b>210, INDIA,</b> SHIP FIRM, W	HOSE PARTNERS AF	RE DINESH			
DATE OF REGISTRA	ΓΙΟΝ	09	9/03/2015			
TITLE		E	BOTTLE			
PRIORITY NA	1	2/0004				
DESIGN NUMBER		269084				
CLASS 1)MR. KAPIL JAIN A RESIDENT OF A-302, VASTU PAR (WEST), MUMBAI-400	K, EVERSHIN	13-03 <b>AL - INDIAN</b> E NAGAR, MALAD	Г	-	-	
DATE OF REGISTRATION	2	8/01/2015				
TITLE	SWITCH	I COVER PLATE				1
PRIORITY NA						

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DESIGN NUMBER	269116		
CLASS	13-03		-
	<b>DIVIDUAL - INDIAN RESIDE</b> ERSHINE NAGAR, MALAD (W		
DATE OF REGISTRATION	28/01/2015		
TITLE	SWITCH COVER PLA	ATE	
PRIORITY NA			
DESIGN NUMBER	2'	70466	
CLASS	2	23-02	
1) <b>HSIL LIMITED,</b> BAHADURGARH-124507 INDIAN COMPANY	, AND DISTRICT: JHAJJAR, HA	ARYANA, INDIA, AN	4
DATE OF REGISTRATION	20/0	03/2015	1
TITLE	CIS	STERN	1
PRIORITY NA			
DESIGN NUMBER	269320		
CLASS	06-08	/	
1)TFS GLOBAL HANGER EXISTING UNDER THE LA HOHER WEG 2, 48529 NO	WS OF GERMANY OF		
DATE OF REGISTRATION	05/02/2015		
TITLE	CLOTHES HANGER		
PRIORITY NA			

DESIGN NUMBER		269795					
CLASS		12-16				C. C	
1)NEERAJ CHADHA OI GOBINDPURA MARKI LUDHIANA-141003 (PUNJ ABOVE ADDRESS	ET, GILL R					and	
DATE OF REGISTRATION		24/02/2015			XA	MA	
TITLE	PE	DAL FOR BICYCI	LE		en la	in Mann	tate as
PRIORITY NA				1		AA	
DESIGN NUMBER		20	68855	•			
CLASS		(	02-02			~	$\sim$
1)KIT AND ACE DESIG THE LAWS OF THE PRO 123 WEST 7TH AVENU	VINCE OF	BRITISH COLU	MBIA, CA	NADA,	K		
DATE OF REGISTRATIO	N	14/	01/2015		111		120
TITLE		GA	RMENT			Π.	
PRIORITY NUMBER 157663		DATE 17/07/2014	COUN CANA			1	
DESIGN NUMBER			269017			-	
CLASS			09-01				
1)PARSHOTAMBHAI M PRINCIPAL PLACE OF B 253, PLOT NO. 2/20, B/H. 3 N. H. 8-B, VERAVAL (S GUJARAT, INDIA DATE OF REGISTRATIO	SUSINESS A SARVODA SHAPER), 7	AT BHUMI INDU YA, NEAR STRE	STRIAL A ET OF WI	<b>REA, SURVE Eldor Eng</b> 7. Rajkot,	EY NO.		
TITLE			BOTTLE				
PRIORITY NA							

DESIGN NUMBER		269922		
CLASS		13-03		
1)AL-AZIZ PLASTICS P REGISTERED UNDER CO ADDRESS 125, AMAR INDL. ESTA ANDHERI-(E), MUMBAI-4(	MPANIE TE, A. K.	S ACT 1956) WHOSE	1	
DATE OF REGISTRATION		27/02/2015	-	
TITLE	ELEC	CTRICAL JUNCTION BOX		
PRIORITY NA				
DESIGN NUMBER		270823	_	
CLASS		12-11		
1)TUBE INVESTMENTS OF INDIA LIMITED, AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT OF 1956, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT "DARE HOUSE" • , 234, N. S. C. BOSE ROAD, CHENNAI - 600001, STATE OF TAMIL NADU, INDIA			T	Y
DATE OF REGISTRATION	31/03/2015			
TITLE	FRAME FOR BICYCLE			
PRIORITY NA				
DESIGN NUMBER		271145		
CLASS		05-05		
UNDER THE PROVISION REGISTERED OFFICE AT	OF COM	RINTS PVT. LTD. A COMPANY PANIES ACT, 1956 HAVING IT NDESARA, SURAT-394221 GUJ	TS .	
DATE OF REGISTRATIO	N	07/04/2015		
TITLE		TEXTILE FABR	IC	
PRIORITY NA				

The Patent Office Journal 16/10/2015

DESIGN NUMBER		2683	29				
CLASS		23-0	)2				
1)TOTO LTD., A COMPA UNDER THE LAWS OF JA MERCHANTS, OF THE AN 1-1, NAKASHIMA 2-CH KITAKYUSHU-SHI, FUKU	APAN, N DDRES OME, K	<b>MANUFACTU S</b> KOKURAKITA	J <b>RERS AI</b> A-KU,				
DATE OF REGISTRATION		22/12/2	2014				
TITLE		LAVAT	TORY				1 Alexandre
PRIORITY NA							
DESIGN NUMBER		270	)236			24	
CLASS		06	-04			AND	In
1)PAUL HETTICH GMB OF VAHRENKAMPSTRAST GERMANY							
DATE OF REGISTRATION		10/03	8/2015		B		
TITLE		FURNITURE RACK				NG 1	The state of the s
PRIORITY PRIORITY NUMBER 002535237		DATE 10/09/2014	COUN OHIM	TRY			
DESIGN NUMBER			2	68861		1	
CLASS			(	02-02		(TI	
1)KIT AND ACE DESIGN LAWS OF THE PROVINC 123 WEST 7TH AVENU	E OF B	<b>RITISH COL</b>	UMBIA, (	CANADA,	O UNDER THE		
DATE OF REGISTRATIO	N		14/01/2015				1 1
TITLE		GARMENT					
PRIORITY PRIORITY NUMBER 157663		DATE 17/07/20	)14	COUN CANA			

DESIGN NUMBER	269103	
CLASS	13-03	
<b>RESIDENT OF</b>	AN INDIVIDUAL - INDIAN K, EVERSHINE NAGAR, MALAD 064	
DATE OF REGISTRATION	28/01/2015	
TITLE	SWITCH COVER PLATE	
PRIORITY NA		
DESIGN NUMBER	270821	
CLASS	12-11	
COMPANY INCORPO OF 1956, HAVING ITS	NTS OF INDIA LIMITED, AN INDIA RATED UNDER THE COMPANIES PRINCIPAL PLACE OF BUSINESS E", 234, N. S. C. BOSE ROAD, CHEN IL NADU, INDIA	ACT
REGISTRATION	31/03/2015	
TITLE	FRAME FOR BICYCLE	
PRIORITY NA		
DESIGN NUMBER	268733	
CLASS	08-06	
ITS PRINCIPAL PLAC NATIONAL HIGHW FURNITURE, KOTHAR	YAY 8-B, OPPOSITE PARIN IYA SOLVENT AREA, NEAR OTHARIYA, DIST: RAJKOT-	
DATE OF REGISTRATION	09/01/2015	
TITLE	DOOR HANDLE	
PRIORITY NA		

DESIGN NUMBER		268410			
CLASS			16-06		·······································
EXISTING UNDER THE LA	I) <b>CARL ZEISS MEDITEC AG, A CORPORATION ORGANIZED AND</b> <b>KISTING UNDER THE LAWS OF GERMANY, OF</b> GOESCHWITZER STRASSE 51-52, 07745 JENA, GERMANY				
DATE OF REGISTRATION	1	24	4/12/2014		
TITLE		SURGICAL MICROSCOPE			
PRIORITY PRIORITY NUMBER 2014 302 12 271.4		DATE 30/06/2014	COUN CHINA		
DESIGN NUMBER		269403			
CLASS		12-16			Alton -
1)TATA MOTORS LIMITED, AN INDIAN COMPANY OF BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400001, MAHARASHTRA, INDIA         DATE OF REGISTRATION       09/02/2015         TITLE       COCKPIT FUSE AND RELAY BOX OF A VEHICLE         PRIORITY NA					
DESIGN NUMBER			269766		-
CLASS			09-01		
1)NAYASA WORLD OF S CO.OP.SOCIETY, DABHEI TERRITORIES) DAMAN, I INDIAN PARTNERSHIP MANASI SACHDEV & KISH	L NANI D NDIA, FIRM, WI	<b>AMAN, DAMAN-39</b> HOSE PARTNERS AJ	<b>6310, (UNIC</b> RE RUPA S <i>.</i>	DN	
DATE OF REGISTRATION	1	2	3/02/2015		-
TITLE		]	BOTTLE		
PRIORITY NA					

DESIGN NUMBER	269991	
CLASS	14-00	
INCORPORATED UNDER CO	INOLOGIES PVT. LTD., AN INDIAN COMPANY, MPANIES ACT. WHOES ADDRESS IS ), 2ND FLOOR, UDYOG VIHAR, PHASE-2, (INDIA)	
DATE OF REGISTRATION	02/03/2015	
TITLE	REMOTE CONTROL FOR FAN	
PRIORITY NA		
DESIGN NUMBER	270214	
CLASS	15-01	
1) <b>TRIVENI TURBINE LIMIT</b> OF BUSINESS AT 12A, PEENYA INDUSTRIAL	<b>ED, AN INDIAN COMPANY HAVING ITS PLACE</b> AREA, BANGLORE-560058	Mag
DATE OF REGISTRATION	09/03/2015	
TITLE	INNER CASING OF A STEAM TURBINE	
PRIORITY NA		
DESIGN NUMBER	269087	·
CLASS	13-03	
	VIDUAL - INDIAN RESIDENT OF SHINE NAGAR, MALAD (WEST),	
DATE OF REGISTRATION	28/01/2015	
TITLE	SWITCH COVER PLATE	
PRIORITY NA		

DESIGN NUMBER	26	9119	
CLASS	1	3-03	and the second se
1)MR. KAPIL JAIN AN IN A-302, VASTU PARK, EV MUMBAI-400064			
DATE OF REGISTRATION	28/0	01/2015	
TITLE	SWITCH C	OVER PLATE	
PRIORITY NA			C-14
DESIGN NUMBER	271	203	
CLASS	26	-03	
1)KONINKLIJKE PHILIPS EXISTING UNDER THE LA NETHERLANDS, RESIDING EINDHOVEN, WHOSE PC CAMPUS 5, 5656 AE EINDHO	WS OF THE KINGD AT ST-OFFICE ADDRE	OM OF THE SS IS HIGH TECH	
DATE OF REGISTRATION	07/04	/2015	
TITLE	STREET LIGHT	FING FIXTURE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
002552893-0001	08/10/2014	OHIM	
DESIGN NUMBER		268337	
CLASS		15-99	7
1)BALONI, BEENA DEVEN HAVING HER ADDRESS AT VINAYAK TEMPLE, VESU, AND DR. CHANNIWALA, SA NATIONAL, HAVING HIS A 3/1010, INDERPURA, BAL FACTORY, SURAT-395003, C	T A-304, HAMPTON SURAT-395007, GU ALIM ABBASBHAI, DDRESS AT, DRI ROAD, OPP: DIL GUJARAT STATE, IN	<b>PARK, NR. SIDDHI JARAT STATE, INI ADULT, AN INDIA</b> KHUSH SODA DIA	
DATE OF REGISTRATION		2/12/2014	
TITLE	CENTRIF	UGAL BLOWER	
PRIORITY NA			

DESIGN NUMBER	·	268684	
CLASS		12-05	
1)MARTIN ENGINEERING COM OF ILLINOIS, OF ONE MARTIN PLACE, NEPONS AMERICA	,	ATION OF THE STATE	
DATE OF REGISTRATION	07	//01/2015	
TITLE	CONVEYOR BELT SCRAPER BLADE		
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
29/496,389	11/07/2014	U.S.A.	
DESIGN NUMBER		270127	
CLASS		23-01	6
COMPANIES ACT 1956, HAVING THE AMIN CO-OP. HOUSING SOO VEJALPUR ROAD, AHMEDABAD DIRECTORS 1) MR. ASAD VORA SOCIETY, VEJALPUR, AHMEDAI HUSSAINAHMED ZAFAR RESIDI PLOT NO. 1357/02, SECTOR-4/D NATIONALS	CIETY, BAGHE NISI -380051, GUJARAT, RESIDING AT A-11, 3AD-380051, GUJAR NG AT	HAT SOCIETY, INDIA AND HAVING BAGE NISHAT AT, 2) MR.	
DATE OF REGISTRATION	04	/03/2015	
TITLE	PRESSURE R	REDUCING VALVE	
PRIORITY NA			
DESIGN NUMBER		223163	
CLASS		19-06	
1)KALPANA INDUSTRIES UNIT NO. 405/413, "A" BLDG., E ROAD, BYCULLA, MUMBAI-400 02			
DATE OF REGISTRATION	03	/06/2009	
TITLE		CLIP	and wear
PRIORITY NA			

DESIGN NUMBER		269108		
CLASS		13-03		
			1	
		AL - INDIAN RESIDENT OI E NAGAR, MALAD (WEST),		
DATE OF REGISTRATIO	N	28/01/2015		
TITLE		SWITCH COVER PLA	TE	
PRIORITY NA				Curvē
DESIGN NUMBER		268735		
CLASS		08-06		
PRINCIPAL PLACE OF B	USINESS 8-B, OPPO REA, NEA	DSITE PARIN FURNITURE, R DHOKIYA MOTORS,		
DATE OF REGISTRATION		09/01/2015		
TITLE		DOOR HANDLE		
PRIORITY NA				
DESIGN NUMBER		269406		
CLASS		08-06		
GOHEL BOTH INDIAN N AN INDIAN PARTNERSH BUSINESS AT ADDRESS:	ATIONAL IP FIRM 1 -	AS AND JIGNESHBHAI CH , PARTNER OF RATNAPRA HAVING ITS PRINCIPAL P ROAD, KOTHARIYA MAIN H	BHA HARDWAI LACE OF	
DATE OF REGISTRATIO	N	09/02/201	5	
TITLE		HANDLE	Ξ	
PRIORITY NA				

DESIGN NUMBER		269768		
CLASS		09-01		
CO.OP.SOCIETY, DABHE TERRITORIES) DAMAN, INDIAN PARTNERSHIP	L NANI D INDIA, FIRM, WI	NO. 655/IC NEAR SOMNANA AMAN, DAMAN-396310, (UNI HOSE PARTNERS ARE RUPA IK, ALL INDIAN NATIONALS	I <b>ON</b> SACHDI	EV,
DATE OF REGISTRATIO	N	23/02/2015		
TITLE		BOTTLE		
PRIORITY NA				
DESIGN NUMBER		223239		·
CLASS		08-01		
1)SHANTANU DALMIA S-15, PANCHEELA PAR	K, NEW D	DELHI 110017, INDIA		
DATE OF REGISTRATION		08/06/2009	4	
TITLE	CENTH	RALIZER FOR WELLBORE		
PRIORITY NA				
DESIGN NUMBER		269089		
CLASS		13-03		
		<b>AL - INDIAN RESIDENT OF</b> E NAGAR, MALAD (WEST),		
DATE OF REGISTRATIO	N	28/01/2015		
TITLE		SWITCH COVER PLATE		
PRIORITY NA				

DESIGN NUMBER		269121		
CLASS		13-03		
		<b>AL - INDIAN RESIDENT OF</b> E NAGAR, MALAD (WEST),		
DATE OF REGISTRATION		28/01/2015		
TITLE	SV	VITCH COVER PLATE	A STATE OF	A CONTRACTOR OF
PRIORITY NA				Curve
DESIGN NUMBER		270485		and the second se
CLASS		09-01		a state of the sta
FIRE STATION, SOMNAT PARTNERSHIP FIRM REC WHOSE PARTNERS ARE ( BHAWARLAL JAIN (3) NA NATIONALITY, RESIDEN	H ROAD, GISTEREI (1) BHAW RESH BH T OF	V65/66, DAMAN INDUSTRIA) DAMAN 396210, (U.T.), INDI D UNDER THE INDIAN PAR VARLAL MANGILAL JAIN, ( HAWARLAL JAIN, ALL OF I NO. 5, GOREGAON WEST, MU	A, A INERSHIP ACT, 2) PRAVIN NDIAN	
DATE OF REGISTRATION	1	23/03/2015		No and
TITLE		BOTTLE WITH	CAP	the set
PRIORITY NA				