पेटेंट कार्यालय शासकीय जर्नल

OFFICIAL JOURNAL OF THE PATENT OFFICE

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

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

29th JANUARY, 2016

CONTENTS

SUBJECT		PAGE NUMBER
JURISDICTION	:	4894 – 4895
SPECIAL NOTICE	:	4896 – 4897
PUBLICATION U/R 87[3] IN RESPECT OF APPLICATION FOR SURRENDER OF PATENT (KOLKATA)	:	4898
EARLY PUBLICATION (MUMBAI)	:	4899 – 4920
EARLY PUBLICATION (KOLKATA)	:	4921
PUBLICATION AFTER 18 MONTHS (DELHI)	:	4922 – 5335
PUBLICATION AFTER 18 MONTHS (MUMBAI)	:	5336 - 5355
PUBLICATION AFTER 18 MONTHS (CHENNAI)	:	5356 – 5495
PUBLICATION AFTER 18 MONTHS (KOLKATA)	:	5496 – 5855
PUBLICATION U/R 84(3) IN RESPECT OF APPLICATION FOR RESTORATION OF PATENT (KOLKATA)	:	5856
PUBLICATION UNDER SECTION 43(2) IN RESPECT OF THE GRANT (DELHI)	:	5857 – 5861
PUBLICATION UNDER SECTION 43(2) IN RESPECT OF THE GRANT (MUMBAI)	:	5862 – 5864
PUBLICATION UNDER SECTION 43(2) IN RESPECT OF THE GRANT (CHENNAI)	:	5865
PUBLICATION UNDER SECTION 43(2) IN RESPECT OF THE GRANT (KOLKATA)	:	5866 – 5872
INTRODUCTION TO DESIGN PUBLICATION	:	5873
COPYRIGHT PUBLICATION	:	5874
CANCELLATION PROCEEDINGS UNDER SECTION 19 OF THE DESIGNS ACT, 2000 & DESIGNS (AMENDMENT) RULES, 2008	:	5875
REGISTRATION OF DESIGNS	:	5876 - 5914

THE PATENT OFFICE KOLKATA, 29/01/2016

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	Uttaranchal, Delhi and the Union Territory of		
	Chandigarh.		
ь	ı	<u> </u>	

Website: <u>www.ipindia.nic.in</u> www.patentoffice.nic.in

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

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

पेटेंट कार्यालय

कोलकाता, दिनांक 29/01/2016

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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.

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

SPECIAL NOTICE

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

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

SPECIAL NOTICE

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

PUBLICATION U/R 87[3] IN RESPECT OF APPLICATION FOR SURRENDER OF PATENT

Notice is hereby given that any person interested in opposing the following applications for Surrender of Patents under Section 63 of the Patent Act, 1970, may at any time within 3 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	Name of the Applicant	Title	Date of	Appropriate
No.			Grant	Office
266808	M/s. POWDERJECT VACCINES,	NUCLEIC ACID	03/06/2015	KOLKATA
	INC.	CONSTRUCTS		

Early Publication:

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

(12) PATENT APPLICATION PUBLICATION (21) Application No.201621000075 A

(19) INDIA

(22) Date of filing of Application :01/01/2016 (43) Publication Date : 29/01/2016

(54) Title of the invention: CHECK BASIN FORMER

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country	13/00 :NA :NA :NA	(71)Name of Applicant: 1)SANJAY DHANRAJ BHANSALI Address of Applicant: DHANTARA, GURUDWARA ROAD, KOPARGAON, DISTRICT-NAGAR, MAHARASHTRA- 423601. Maharashtra India
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor : 1)SANJAY DHANRAJ BHANSALI
(87) International Publication No	: NA	1)SANJAT DHANKAJ BHANSALI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

By the present invention The Check Basin Former the bunds are formed with the Main frame consisting of two boards set on edge and cross braced, with a wide opening at the front and a narrow at the rear. The boards act as blades for cutting into the soil and blending it into a ridge or bund. A typical main frame suitable for drawing by tractor has blades that are 3 mm long. The invention is attached to a Tractor with the aid of a three point linkage. As the apparatus is pulled by the tractor it starts creating bund to the left and right side of the pulling vehicle by digging into the soil. After pulling the vehicle at a certain distance by the use of the hydraulic system attached with a tension spring, the apparatus can be used to create the horizontal bund in between the two parallel bunds. The same can be done by operating the hydraulic cylinder controlled by spring tension which brings it back to previous position and back after certain distance thus creating a cycle of sorts for forming horizontal bunds at specified distances. The present invention thus gives a cost effective and easy option against the other automated bund forming machines by forming a horizontal bund in addition to the two parallel bunds.

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

(22) Date of filing of Application :04/01/2016 (43) Publication Date : 29/01/2016

(54) Title of the invention: A SYSTEM FOR GENERATING ELECTRICAL ENERGY

(51) International classification	9/00, 1) C F02N A	Hame of Applicant: CHEDILAL GHUNILAL GUPTA ddress of Applicant: FLAT-403, RAMAN C.H.S. LTD.,
(31) Priority Document No		TA MANIDIR ROAD, VAKOLA, SANTACRUZ (EAST), IBAI-400 055, MAHARASHTRA, INDIA. Maharashtra
(32) Priority Date	:NA India	
(33) Name of priority country	:NA 2)P	RAMOD R. YADAV
(86) International Application No	:NA 3)V	TJAY RAMISHWAR RAI
Filing Date	:NA (72)N	Jame of Inventor :
(87) International Publication No	: NA 1)S	ARFARAZ MEHBOOB KHAN
(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 system for generating electrical energy (1), the system comprising: at least one battery (10); an uninterrupted power supply (UPS) (20) being connected to the at least one battery (10) to receive the DC power supply and to provide AC (alternating current) power supply; a starter (30) for providing an initial electrical trigger; a first driving unit (40) being connected to the UPS (20) and the starter (30), the first driving unit (40) being configured to receive the electrical trigger from the starter (30) to generate mechanical energy through rotational motion; a second driving unit (60) being connected to the first driving unit (40)through a first transmission unit (50,51,52), the second driving unit (60) being configured for receiving mechanical energy from the first driving unit (40) as an input and generate mechanical energy at the output, the second driving unit (60) comprises a polygonal shaped weight (62) being mounted on a freely rotatable shaft (61) and one or more bearing (63,64) being configured to provide free and smooth rotational motion to the shaft; an alternator (70) being connected to the second driving unit (60) through a second transmission unit (53,54,56), the alternator (70) being configured to receive the mechanical energy generated at the output of second driving unit and convert the received mechanical energy into electrical energy; wherein the first driving unit (40) is configured to take the electrical trigger from the starter (30) for initial operation of the first driving unit (40) and the starter (30) is made off once the first driving unit (40) starts generating rotational motion, the first driving unit (40) configured to provide the mechanical energy to the alternator (70) through the second driving unit (60), the at least one battery (10) being configured to continuously receive electrical energy generated by the alternator (70) and provide the DC supply to the UPS (20) to run the first driving unit (40) continuously without use of the starter (30) and any external power supply.

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

(22) Date of filing of Application :08/01/2016 (43) Publication Date : 29/01/2016

(54) Title of the invention : MOTOR DRIVE AND VARIABLE CAPACITOR BANK FOR TESTING WIND GENERATOR LABORATORY MODELS.

(51) I	G05B02/02	
(51) International classification	:G05B23/02	(71)Name of Applicant:
(31) Priority Document No	:NA	1)DATTA SAMPATRAO CHAVAN
(32) Priority Date	:NA	Address of Applicant : AMRUT KAILASH NAGRI, C-203,
(33) Name of priority country	:NA	S.NO.34/13A, AMBEGAON BUDRUK, BEHIND BHARTI
(86) International Application No	:NA	VIDYAPEETH, KATRAJ, PUNE 411046 MAHARASHTRA,
Filing Date	:NA	INDIA Maharashtra India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)PARASHURAM BALWANT KARANDIKAR
Filing Date	:NA	2)KADAGANCHI NEHAL RAMESH
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

This invention provides facility to test wind generator in the laboratory. Various types of prime mover may be used in the test set up. These prime mover motors can be DC motor, induction motor, synchronous motor or permanent magnet synchronous motor. The generator may be any kind of generator like DC generator, induction generator, synchronous generator, permanent magnet synchronous generatoretc. The speed of the prime mover motor is varied. As the generator is coupled with the motor speed of the generator is also varied. The speed of the generator is varied over a wide range. The impact of the change in the speed of the generator on the output and output voltage flicker is observed. The gear box is also provided. It can be connected in between the generator and the motor. So the speed of the generator is increased. The impact of gear box on the power quality also can be observed. The test is carried on the generator with and without gearbox. The impact of gear box and variation in the speed on the flicker initiated in the wind turbine can be observed.

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

(22) Date of filing of Application :08/01/2016 (43) Publication Date : 29/01/2016

(54) Title of the invention: TEST SET UP TO STUDY TUBULAR LATTICE, HYBRID AND GUYED WIRE TOWER MODELS

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country(86) International Application No	:E04H12/00, E04H12/26 :NA :NA :NA	(71)Name of Applicant: 1)DATTA SAMPATRAO CHAVAN Address of Applicant: AMRUT KAILASH NAGRI, C-203, S.NO.34/13A, AMBEGAON BUDRUK, BEHIND BHARTI VIDYAPEETH, KATRAJ, PUNE 411046 MAHARASHTRA INDIA Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PARASHURAM BALWANT KARANDIKAR
(61) Patent of Addition to Application Number	:NA	2)KADAGANCHI NEHAL RAMESH
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

I this invention various types of tower models are developed. This tower can be tested in the test set up for different wind conditions. Tubular tower, lattice tower, guyed wire tower are developed in the tests up. These towers can be tested for various wind conditions. Any other new designed tower also can be tested in the test set up. For any given wind conditions and surface roughness the performance of the tower can be observed. The flicker initiated in the wind turbine for various configurations of the tower can also be found. The lattice tower is made of steel bars. The tubular and guyed wire tower is made of steel cylinder. Any suitable material can also be used to build the tower. The towers are scaled down models. Tower models are tested in the laboratory. The results can be scaled up according the actual wind farm conditions and height of the tower. Suitable tower can be selected for particular area.

No. of Pages: 19 No. of Claims: 4

(22) Date of filing of Application :08/01/2016 (43) Publication Date : 29/01/2016

(54) Title of the invention: INTEGRATED STORAGE HEAT PIPE COLLECTOR WITH HEAT EXCHANGER

	·E2412/22	(71) Name of Applicant.
(51) International classification	:F24J2/32, F24J2/34	(71)Name of Applicant : 1)GARGEE ASHOK PISE
(31) Priority Document No	:NA	Address of Applicant :B-1 204 MONT VERT PRISTINE,
(32) Priority Date	:NA	NEAR KHADKI RAILWAY STATION, PUNE 411020
(33) Name of priority country	:NA	MAHARASHTRA STATE. Maharashtra India
(86) International Application No	:NA	2)AMEY ASHOK PISE
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)GARGEE ASHOK PISE
(61) Patent of Addition to Application Number	:NA	2)AMEY ASHOK PISE
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

Solar energy availability is of fluctuating nature. Flat plate collectors used for harnessing this energy have several limitations. The main reason for unpopularity of flat plate collectors are low efficiency, bulk size and no output in off sunshine hours. To enhance the performance of flat plate collector, heat pipe can be used to get the advantage of latent heat transport. To get an uninterrupted output in off sunshine hours with an extended period, thermal storage unit can be used. Thus to overcome the above limitations the Experimental set up is designed and developed with thermos-syphon loop heat pipe collectors with Thermal Energy storage unit (TES) and the temperature of the condenser outlet fluid is enhanced by circulating it into TES unit which augments the performance of the collector .TES unit collector gives extended output of 4 to 5 hrs after the sunshine hours. Fig. 1

No. of Pages: 13 No. of Claims: 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201621000888 A

(19) INDIA

(22) Date of filing of Application :11/01/2016 (43) Publication Date : 29/01/2016

(54) Title of the invention: FOURTH DIRECTION VEHICLE INDICATOR.

	D (001/20	
(51) International classification	:B60Q1/38, B60Q1/34,	(71)Name of Applicant : 1)MANISH DHANRAJ TALELE
` '	H01H21/50	Address of Applicant :LAXMAN RESIDENCY, FLAT
(31) Priority Document No	:NA	NO.B-9, MORWADI, PIMPARI, PUNE-411018, TAL.
(32) Priority Date	:NA	HAWELI, MAHARASHTRA, INDIA. Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)MANISH DHANRAJ TALELE
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

This is the vehicle direction system. This has adding the one more direction which is fourth direction. The fourth direction is the straight direction. It indicated in vehicle light system. The fourth direction is operating by using switch. The fourth direction is give more conformation of vehicle direction.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201621000924 A

(19) INDIA

(22) Date of filing of Application :11/01/2016 (43) Publication Date : 29/01/2016

(54) Title of the invention: AN APPARATUS HAVING EMBODIMENT OF MECHANISM AND SYSTEM TO CONDUCT, PROCESS TO PURIFY, SEPARATE, DUST AND/OR BURNED GASEOUS STATE PARTICLES, CARBON IN COMBUSTION PROCESS, THROUGH, MIXING WITH, LIQUID STATE OR FLUID AS INTERMEDIATE STEP

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No 	:F25J3/04, F25J3/00 :NA :NA :NA	(71)Name of Applicant: 1)VISHRAM Y. ABHYANKAR Address of Applicant: A/302, AMEYA R.B.I. CHS, NEW PRABHADEVI ROAD, OPP. MARATHE UDYOG BHAWAN, PRABHADEVI, MUMBAI-400 025, MAHARASHTRA, INDIA. Maharashtra India
Filing Date	:NA : NA	(72)Name of Inventor :
(87) International Publication No(61) Patent of Addition to Application Number	:NA	1)VISHRAM Y. ABHYANKAR
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

(57) Abstract:

Apparatus, to conduct, process of separation of carbon from the air, having, with essential and/or optional embodiment structure of system and mechanism, stage wise, functioning as, collection of dust, burned gaseous state particles, carbon in combustion or burning process, gases, at transition embodiment structure through optional suction mechanism embodiment structure, passed or transit as gaseous state or as mixture with liquid state or fluid, at storage inside the liquid state or fluid at storage, restrain as mixture, and again separate or purified the gases or air and liquid state or fluid from carbon, through the filter mechanism and system embodiment, and releasing air, gases at atmosphere or at required destination and liquid state or fluid circulate for reuse through secondary transition embodiment structure at main embodiment structure, through the joint between main and secondary transition embodiment structure.

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

(22) Date of filing of Application: 12/01/2016 (43) Publication Date: 29/01/2016

(54) Title of the invention: AN ALTRATION IN MECHANICAL LATHE MACHINE TO PLACE THE TOOL AT CENTER FOR FACEING OPERATION.

(51) International classification	:B23B13/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)VAIBHAV NALE
(32) Priority Date	:NA	Address of Applicant :ROOM-5, PCCOE BOYS HOSTEL,
(33) Name of priority country	:NA	SEC-26, NIGDI, PUNE-411044, MAHARASHTRA, INDIA.
(86) International Application No	:NA	Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)VAIBHAV NALE
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

Earlier while doing faceing operations in lathe machine, a speed metal cutting tool was used whose centre was not accurate due to which proper center was not obtained and thus, trial and error method was used to find the center while performing the operation which was time taking and less accurate due to which desired result was not obtained in the first attempt of the faceing operation. Due to this, there was a wearing out of the job material during the faceing operation. A system for placing the tool at the center of the mechanical lathe machine which will give more accurate results and will consume less time as compared to the earlier method. According to this invention, a system is provided for placing the tool at the center for the faceing operation. The system comprises of a laser unit used with a piano convex lens of the desired focal length and is kept at the tail stock of the machine and the sensor unit is fitted to the chuck wheel and the laser is switched on till the laser falls on the sensor there is no sound produced but as soon as the tool is given proper feed and height to match the tip of the cutting tool to the laser beam the path of the laser beam is interrupted and hence the buzzer beeps which signals that the tool is now having a proper center for the faceing operation. The overall estimated cost of installing this system is approximately Rs 8,000/-.

No. of Pages: 9 No. of Claims: 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4971/MUM/2015 A

(19) INDIA

(22) Date of filing of Application :30/12/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: INDOOR SOLAR COOKING SYSTEM

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No 	2/00 :NA :NA :NA	(71)Name of Applicant: 1)Mrs. Sujata R Patrikar Address of Applicant: Department of applied Physics, Visvesvaraya National Institute of Technology, South Ambazari Road, Nagpur, Maharashtra-440010 Maharashtra India (72)Name of Inventor:
Filing Date (87) International Publication No	:NA : NA	1)Mrs. Sujata R Patrikar 2)Pranjali Jadhao
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

ABSTRACT The main goal of the proposed system is to transfer energy from sun to the cooking load that is located in the kitchen. The energy is first collected by the solar collector concentrator lens system which gives a concentrated and collimated beam. The solar energy that is collected is directed by the mirror system into the kitchen, where it is redirected to cooking platform located in the kitchen. The special feature in this system is that a full Indian meal can be made since cooking platform is indoors. This includes chapatti, snacks and hot beverages like tea, coffee. Following invention is described in detail with the help of Figure 1 of sheet 1 showing construction of solar cooker, Figure 2 of sheet 2 showing side view of tracking system and Figure 3 of sheet 2 showing block diagram of solar cooker.

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

(22) Date of filing of Application :03/02/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: A novel technology for the removal of metals from aqueous solutions

		(71)Name of Applicant:
(51) International classification	:C25C	1)Neelu Nawani
(31) Priority Document No	:NA	Address of Applicant :Dr. D. Y. Patil Biotechnology and
(32) Priority Date	:NA	Bioinformatics Institute, Dr. D. Y. Patil Vidyapeeth, Survey No.
(33) Name of priority country	:NA	87/88, Mumbai-Bangalore Expressway, Tathawade, Pune 411033,
(86) International Application No	:PCT//	India Maharashtra India
Filing Date	:01/01/1900	(72)Name of Inventor:
(87) International Publication No	: NA	1)Neelu Nawani
(61) Patent of Addition to Application Number	:NA	2)Prithviraj Desale
Filing Date	:NA	3)Aminur Rahman
(62) Divisional to Application Number	:NA	4)Noor Nahar
Filing Date	:NA	5)Balasaheb Kapadnis
		6)Abul Mandal

(57) Abstract:

ABSTRACT A METHOD FOR REMOVAL OF METALS FROM AQUEOUS SOLUTIONS The present invention provides a method (100) for removal of metals from aqueous solutions comprising the steps of treating (102) the aqueous solutions with an adsorbent, allowing (104) the aqueous solutions and the adsorbent to be in contact for a predetermined time to obtain treated aqueous solutions, collecting (106) the treated aqueous solutions, filtering (108) the treated aqueous solutions and discharging (110) the filtered aqueous solutions. The adsorbent comprising plurality of natural biomaterials. Further, the plurality of natural biomaterials are capable of adsorbing the metals from the aqueous solutions. FIG. 1

No. of Pages: 68 No. of Claims: 62

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4903/MUM/2015 A

(19) INDIA

(22) Date of filing of Application :28/12/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: TAMPER PROOF SECURITY SEAL

	:B65D	(71) Name of Applicant
(51) International classification	.B03D 53/06,	(71)Name of Applicant : 1)MANISHABEN S. PANCHAL
(-)	G09F3/03	
(31) Priority Document No	:NA	MADHURAM COMPLEX, SUBHASHBRIDGE AHMEDABAD
(32) Priority Date	:NA	380 027 Gujarat India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)MANISHABEN S. PANCHAL
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

This invention relates to a tamper proof security seal and in particular, this invention relates to a tamper proof security seal in which there is a joy type locking system which does not open. Furthermore, this invention also relates to a tamper proof security seal which has the beneficial effects of having saving manpower cost, reducing labor intensity, and having safety and reliability.

No. of Pages: 19 No. of Claims: 9

(22) Date of filing of Application :13/01/2016 (43) Publication Date : 29/01/2016

(54) Title of the invention : AN APPARATUS FOR RECLAIMING AND SEPARATING CRUSHED PARTICLES AND A METHOD THEREFOR.

(51) International classification	4/08, B07B 4/00,	(71)Name of Applicant: 1)KALANI JUGALKSIHORE KUNJILAL Address of Applicant: H-2 OLD MIDC SATARA Maharashtra India (72)Name of Inventor: 1)KALANI JUGALKSIHORE KUNJILAL
(31) Priority Document No	:NA	,
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(F7) A1		

(57) Abstract:

The present invention relates to an apparatus for reclaiming crushed particles and for separating crushed particles into different grades from the air laden with the crushed material and collecting the separated particles and passing out pure air into the atmosphere. It also relates to a method for reclaiming crushed particles and for separating crushed particles using the apparatus thereof. Ref.Fig.1

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

(22) Date of filing of Application :13/01/2016 (43) Publication Date : 29/01/2016

(54) Title of the invention : SYSTEM FOR INDICATION OF ON AND OFF POSITION OF THE GAS REGULATOR USED IN LPG & PIPE GAS ON GAS STOVE.

(51) International classification	:F23N 5/00, F24C 3/12	(71)Name of Applicant: 1)SHUBHAM BALASAHEB MATRE Address of Applicant: NAKSHTRAM BLDG. N/4, 103, PREMLOK PARK, NEAR SKF COMPANY, CHINCHWAD,
(31) Priority Document No	:NA	PUNE-411 033,TAL.: HAWELI, MAHARASHTRA, INDIA.
(32) Priority Date	:NA	Maharashtra India
(33) Name of priority country	:NA	2)PURUSHOTTAM ASHOK KHATAKE
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SHUBHAM BALASAHEB MATRE
(87) International Publication No	: NA	2)PURUSHOTTAM ASHOK KHATAKE
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The device determines the system for indication of ON and OFF position of the Gas regulator used in LPG & Pipe gas on gas stove. There are several accidents which are taking place due to the gas leakages when the knob of the regulators are on hence to avoid the Accidents this system is used. In this system the knob of the regulator is whether it is in ON or in OFF condition is indicated on the gas stove by means of the sensor and the microcontroller. The sensor is provided with a special type of the isolation for the prevention from the gas. This system will indicate the green light when the knob of the regulator is ON and red light when it is OFF . this system will avoid the accidents and helps to know the position of the knob of the regulator on the stove.

No. of Pages: 9 No. of Claims: 6

(21) Application No.201621001238 A

(19) INDIA

(22) Date of filing of Application: 13/01/2016 (43) Publication Date: 29/01/2016

(54) Title of the invention : A LOW-COPPER POWER FILM CAPACITOR ASSEMBLY WITH A UNIVERSAL MOUNTING BRACKET

(51) International classification	4/00, H01G 2/00	(71)Name of Applicant: 1)ALKON ELECTRONICS PVT. LTD. Address of Applicant: 34-B MIDC INDUSTRIAL ESTATE, SATPUR, NASIK, NASHIK-422007, MAHARASHTRA, INDIA
(31) Priority Document No	:NA	Maharashtra India
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)SACHDEV ANUPRATTAN ROMESHCHAND
(86) International Application No	:NA	2)GODBOLE PRASANNA SHRIPAD
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 low-copper power film capacitor assembly with a universal mounting bracket, the assembly comprises at least two cylindrical coils sandwiched between two thin rectangular mounting plates with four threaded holes for receiving respective fasteners for mounting the coils therebetween and for tightening the mounting plate and power film capacitor assembly by universal mounting brackets, wherein mounting plates include respective threaded bosses attached inside the mounting plates aligned with a respective threaded hole for tightening a fastener therethrough. The mounting bracket is configured equal to either length or width of the power film capacitor assembly and made in L shape with one side with respective holes for tightening the fasteners on mounting plates and other side with two slots at both ends thereof for adjustable mounting and optionally one middle hole for locating the power film capacitor assembly on a flat or inclined base. The mounting brackets sides make an angle in a range of 90° to 180°.

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

(22) Date of filing of Application :05/01/2016 (43) Publication Date : 29/01/2016

(54) Title of the invention: AUTOMATIC OPENING-CLOSING OF FOOTREST SYSTEM FOR NON-GEARED BIKES.

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country(86) International Application No	B60N2/06 :NA :NA :NA :NA	(71)Name of Applicant: 1)MRS. NEETA AMOL MANDHARE Address of Applicant: C/O, MR. LAXMAN NAIK, SR. NO. 33/2B GAJANAN NAGAR, KALEWADI PHATA, RAHATNI, PUNE-411017, MAHARASHTRA, INDIA. Maharashtra India 2)DHANANJAY VILAS MORE
Filing Date (87) International Publication No (61) Patent of Addition to Application Number	:NA : NA :NA	3)HRISHIKESH LAXMAN NAIK (72)Name of Inventor: 1)MRS. NEETA AMOL MANDHARE
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	2)DHANANJAY VILAS MORE 3)HRISHIKESH LAXMAN NAIK

(57) Abstract:

This invention deals with providing convenience to occupants (mostly older people and small kids) by automatic opening-closing of footrest of non-geared bikes. In conventional footrest system, occupant has to open or close the footrest manually. Particularly this invention provides automatic opening and closing of footrest according to requirement of occupants. More particularly this invention will provide use of actuator for opening and closing of footrest. Many times opening and closing of footrest is difficult for older people and small kids. Similarly many kids finds difficult to seat on bikes for long period due to unavailability of footrest. The switch is provided in the vicinity of the driver. After pressing the switch the due to proposed mechanism the piston moves forward and the footrest opens, again after releasing the switch the de-actuation takes place that leads to closing of footrest. The driver pushes (push button actuation) the three position open center four way valve F to the extreme right position, and oil from reservoir under pressure is directed from inlet of valve F to port 2 of extreme right position and then onward to port 3 of cylinder E. As piston moves forward the connecting link D which is fixed with the piston rod by means of weld or other ways also moves forward. Another two links one for left and one for right footrest. These two links has two ends one end is connected to link D with pin or hinge joint and other end is fixed or welded with footrest. So footrest is tends to move outward and get open. As oil exhausted from port 4 to port 1 of extreme right position of valve F and then to reservoir of unit G. An object of invention is to provide convenience to old people and kids by opening or closing of footrest automatically. Another objective of this invention is maintain the hygiene of occupant by replacing the manually operation by automatic operation. Yet another object of invention is to comfort to occupant of non-geared bike.

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

(22) Date of filing of Application :05/01/2016 (43) Publication Date : 29/01/2016

(54) Title of the invention: INTELLIGENT AUTO-OXYGEN AND AIR FILTERING PORTABLE MASK.

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No 	A61M16/06 :NA :NA :NA :NA	Address of Applicant :FLAT NO.401, GAUTAMI APT., NAGALA PARK, BEHIND ZILLA PARISHAD, KOLHAPUR- 416003, MAHARASHTRA, INDIA. Maharashtra India 2)ABHIJEET A. PATIL
Filing Date (87) International Publication No	:NA : NA	(72)Name of Inventor: 1)ABHIJEET A. PATIL
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)MONISH B. JIRGE
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The Intelligent auto-oxygen supply mask would be a wearable optimal portable device with a sensor based system which would analyze the blood oxygen supply of the user ,and release oxygen in the breathing chamber automatically which would be a combination of filtered air and pure oxygen mixed in specific quantities and would thus supply oxygen and filtered air as per the need of the enabling efficient and economic use of oxygen The mask would also have efficient particulate matter arresting filters keeping away all hazardous particulate matter and gases to filter the air breath in .

No. of Pages: 8 No. of Claims: 3

(22) Date of filing of Application :30/10/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: SWITCHING CIRCUIT TO START SINGLE PHASEINDUCTION MOTOR

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:H02K17/08, H02K17/0 :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)Shakti Pumps (I) Limited Address of Applicant:Shakti Pumps (I) Ltd. Plot No. 401, Sector - 3, Pithampur - 454774, Dist Dhar (M.P) - India Madhya Pradesh India (72)Name of Inventor: 1)Dinesh Patidar
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

ABSTRACT:- As the single phase induction motor comprises with two winding in stator 1st Main Winding (Running Winding) & 2nd Auxiliary Winding (Start Winding). To start single phase A.C. induction motor it is required to connect auxiliary winding with main circuit & disconnect the auxiliary winding from main circuit, once the rotor speed achieves 75% - 80% of synchronous speed. The above process is done by switching of a circuit parallel connected with Main winding & in series with auxiliary winding. Switching circuit has two input points (i.e. TP1, TP2) & two output points (i.e. TP3, TP4). TP2 & TP4 connected with input phase 28 of the motor & TP1 connected to Neutral terminal 27 of the motor. TP3 of switching circuit connected with auxiliary winding at terminal 29. In above circuit TP1 and TP2 is the single phase supply from 90V-270V wide range input for generating the VCC supply for the Operational amplifier and the snubberless traic driver. RT1 is NTC used to protect the circuit from overheating due to excess high voltage coming from input. D4 is bridge rectifier that converts AC into Pulsed DC supply. This pulsed DC will be converted to pure DC by capacitor C2. IC 25 is a high frequency (67 KHz) switching generator with switching device inside to generate the 15V VCC for the rest of the circuit. D3 is giving feedback to IC 25 to control the 15V supply thus giving constant DC voltage to rest of the circuit with required current by the circuit time to time. R2 and R6 are generating the reference voltage supply to operational amplifier 24. Thus operational amplifier 24 compares the reference voltage at pin no 16 with pin no 17 and thus giving signal to pin no 13 to operate zero cross circuit 26, zero cross circuit 26 will operate Q1 for giving start signal to auxiliary winding. As the motor speed reaches 80% of the synchronous speed, Q1 disconnect the auxiliary winding & motor runs on main winding only

No. of Pages: 8 No. of Claims: 9

(22) Date of filing of Application :14/01/2016 (43) Publication Date : 29/01/2016

(54) Title of the invention : HMM AND ASSOCIATION BASED CACHE MANAGEMENT SYSTEM FOR MOBILE ENVIRONMENT

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No 	:H04M1/00, G06F 12/00 :NA :NA :NA :NA	(71)Name of Applicant: 1)MR. HARIRAM K CHAVAN Address of Applicant: B-201, SANYUKTA CHS, PLOT NO.F-85, SECTOR-12, KHARGHAR, NAVI MUMBAI-410210, MAHARASHTRA, INDIA. Maharashtra India 2)DR. SUNIL G. BHIRUD
Filing Date (87) International Publication No (61) Patent of Addition to Application Number	:NA : NA :NA	(72)Name of Inventor : 1)MR. HARIRAM K CHAVAN 2)DR. SUNIL G. BHIRUD
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract:

Communication is an integral part of society and mobile communication has become the focus point for information exchange. The term Mobile is backbone of wireless communication and Mobility has revolutionized the communication itself. Mobility prediction plays a vital role in mobile services such as Location Based Services (LBS). Hidden Markov Model (HMM) provides a novel approach for predicting future movements of mobile client. LBS have ushered the way mobile applications access and manage Mobile Database System (MDS). Caching is an effective technique to improve the MDS performance. The cache size limitation enforces an optimized cache replacement method to find a suitable subset of data items for eviction from the cache. This work proposes a HMM based Mobility aware Cache Management System (HMMCMS) for Mobile Environment to optimize cache hit ratio. The double stochastic nature of HMM consider the access pattern as well as movement behaviour of mobile client. The access patterns of mobile client have affinity and can be used to increase the efficiency of HMM. The HMM mobility prediction makes the method adaptive to clients movement behaviour and optimizes the performance compared to earlier policies.

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

(22) Date of filing of Application :02/11/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: COMPOSITE MULTI-FUNCTION POWER SUPPLY SYSTEM

	:H02J	(71)Name of Applicant :
(51) International classification	7/00,	1)MAHATMA GANDHI INSTITUTE FOR RURAL
	H02M1/00	INDUSTRIALIZATION(MGIRI)
(31) Priority Document No	:NA	Address of Applicant :MAHATMA GANDHI INSTITUTE
(32) Priority Date	:NA	FOR RURAL INDUSTRIALIZATION(MGIRI)
(33) Name of priority country	:NA	MAGANWADI,WARDHA-442001 MAHARASHTRA
(86) International Application No	:NA	Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MR.SHASHI PRAKASH MISHRA
(61) Patent of Addition to Application Number	:NA	2)MR.SURAJ RAJAN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

in order 10 uplift the lite of villagers a multifunction composite power supply system (1) is developed by micro controller based MPPT battery charger-from solar photo voltaic (2), and source priority is implemented to run the system more on non-conventional energy source like solar power and PWM based 24Volt DC motor drive is to control the speqd. of machine (3). The output voltage to DC motor from 0 - 27.6 volt DC 8Amp Constant Current. The single ended PWM chopper is applied for controlling the speed for operation of energy efficient 24 volts PMDC motor oparated machines via caly turning machine turn wood lathe wood lathe, bell metal polishing machine, blower for furnace, etc. The present power supply system has constant current LED driver for driving LED light for illumination of house during evening hours and it supports other communication gadgets like mobile, radio, low voltage LCD television, laptop, etc for sale and marketing of village industry products.

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

(22) Date of filing of Application :09/06/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: NOVEL FLUORESCENT DYES AND USES THEREOF

	COZD	
(51) International classification		(71)Name of Applicant:
	213/66	1)Dr. Hitesh D. Patel
(31) Priority Document No	:NA	Address of Applicant : Chemistry Department, Gujarat
(32) Priority Date	:NA	University, Ahmedabad, Gujarat, INDIA Gujarat India
(33) Name of priority country	:NA	2)Rajesh H. Vekariya
(86) International Application No	:NA	3)Dr. Dhanji Rajani
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Dr. Hitesh D. Patel
(61) Patent of Addition to Application Number	:NA	2)Rajesh H. Vekariya
Filing Date	:NA	3)Dr. Dhanji Rajani
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present invention relates to fluorescent dyes of formula I, as well as method of using and making the same. R1=H, hetero aryl, aliphatic, aryl, acetyl, anionic salts R3=H, phosphonoxy, H2PO3, acyl, benzyl, alkoxy alkyl, aryl, hetero aryl, aliphatic R4=H, C1, R1, R2, R3, R4, R

No. of Pages: 33 No. of Claims: 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4341/MUM/2015 A

(19) INDIA

(22) Date of filing of Application :18/11/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: EXTRACTION OF NOBLE METALS FROM BASALT

segaon Ves, Dattu Galli,
edha, Dist. Solapur-413305.
tra India
e

(57) Abstract:

The present disclosure relates to a process for the extraction of noble metals from basalt. The present disclosure, particularly relates to the extraction of platinum and platinum group metals from basalt. The process of the present disclosure is economical and environment friendly.

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

(22) Date of filing of Application :24/12/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: HYDRAULIC SOLAR TRACKING SYSTEM

	:F24J	(71)Name of Applicant:
(51) International classification	2/00,	1)Rahul Mishra
	F24J2/38	Address of Applicant :H No. 06, Infront of Durga Mandir,
(31) Priority Document No	:NA	Pooja Colony, Neelbad, Bhopal Pin 462044 (Madhya Pradesh)
(32) Priority Date	:NA	India Madhya Pradesh India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)Rahul Mishra
Filing Date	:NA	2)Kamna Mishra
(87) International Publication No	: NA	3)Ruby Awasthi
(61) Patent of Addition to Application Number	:NA	4)Parth Mishra
Filing Date	:NA	5)Aishwarya Mishra
(62) Divisional to Application Number	:NA	6)Akshat Vyas
Filing Date	:NA	

(57) Abstract:

A hydraulic based sun-tracking system is provided. The system includes a plurality of plungers enclosing small cylinders of same size. The small cylinders are connected in parallel to each other. A hydraulic system is connected to the plungers for alternately filling the fluid in the plungers. A plurality of large hydraulic cylinders are fluidically connected to the small cylinders and each large cylinder encloses a sliding cylindrical RAM. The solar panels have plurality of sensors are mounted on the sliding cylindrical RAM. A method of operating hydraulic based sun-tracking system is provided. The method includes steps of generating force on plungers by filling the fluid tank. The generated force is exerted on the sliding cylindrical RAMs of two large hydraulic cylinders. The force is alternately exerted on each of the two large hydraulic cylinders causing the movement of the solar panels.

No. of Pages: 32 No. of Claims: 6

(22) Date of filing of Application :04/01/2016

(43) Publication Date: 29/01/2016

(54) Title of the invention : A HIGH FREQUENCY FLY-BACK MULTIZONE RESONANT INVERTER WITH AC INPUT SOURCE FOR MULTI-AREA INDUCTION HEATING

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:H02J7/00 :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)Prof. (Dr.) Pradip Kumar Sadhu Address of Applicant: DEPARTMENT OF ELECTRICAL ENGINEERING INDIAN SCHOOL OF MINES (UNDER MHRD, GOVT. OF INDIA), DHANBAD-826004, JHARKHAND, INDIA. 2)Kallol Bhaumik 3)Avik Datta 4)Palash Pal 5)Avijit Chakraborty 6)Titas Kumar Nag (72)Name of Inventor: 1)Prof. (Dr.) Pradip Kumar Sadhu 2)Kallol Bhaumik 3)Avik Datta 4)Palash Pal 5)Avijit Chakraborty 6)Titas Kumar Nag
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(57) Abstract:

A high frequency fly-back multizone resonant inverter with AC input source for Multi-area induction heating comprising two amalgamated modified flyback converter with equivalent load impedance ZL1 and ZL2 respectively, for converting into a high frequency flyback multizone resonant inverter with AC input source wherein the said first modified flyback converter having load impedance of ZL2. The said first modified flyback converter comprises of a switch S1, freewheeling diode D1 and modified load impedance ZL1 and the said second modified flyback converter comprises of switch S2, freewheeling diode D2 and modified load impedance ZL2 wherein amalgamated and converted high frequency flyback multizone resonant inverter with AC input source is comprised of equivalent load impedance ZLin connected in series with supply main and another equivalent load impedance ZLS connected parallel with the supply main, a source voltage 'VS', a capacitor 'Cin' diodes D1, D2, D3 and D4, switches S1, S2 and load impedances ZL1, ZL2, ZL3, ZLin.

No. of Pages: 23 No. of Claims: 2

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.10176/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/11/2015

(43) Publication Date: 29/01/2016

(54) Title of the invention: METHOD OF PROVIDING A SECURITY DOCUMENT WITH A SECURITY FEATURE AND SECURITY DOCUMENT

(51) International

:D21H21/40,B41M3/14,B24D15/00

classification

:13382175.1

(31) Priority Document No (32) Priority Date

:10/05/2013

(33) Name of priority country: EPO

(86) International Application :PCT/EP2014/059309

No

:07/05/2014

Filing Date

(87) International Publication :WO 2014/180885

(61) Patent of Addition to :NA **Application Number**

:NA Filing Date

(62) Divisional to Application :NA

Number

:NA

Filing Date

(71)Name of Applicant:

1)F • BRICA NACIONAL DE MONEDA Y TIMBRE REAL CASA DE LA MONEDA

Address of Applicant :Jorge Juan 106 E 28009 Madrid Spain

(72) Name of Inventor:

1)OLMOS Antonio

2)LAZZERINI Maurizio

3)GARC • A JUEZ Vicente

(57) Abstract:

A security document (1) comprises a paper document substrate (11) and a security element (2) embedded in said document substrate (11). The security element comprises an element substrate (21) and a material (22) sensitive to laser light. The method comprises the step of directing laser light (41) onto the document substrate (11) so as to alter said material (22) so as to provide said security element (2) with a detectable marking (3).

No. of Pages: 43 No. of Claims: 17

(22) Date of filing of Application :02/11/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: DRUG ADMINISTERING DEVICE AND ASSEMBLY METHOD THEREFORE

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:A61M5/24 :10 2013 007 389.8 :30/04/2013 :Germany :PCT/EP2014/001107 :25/04/2014 :WO 2014/177260 :NA :NA :NA	(71)Name of Applicant: 1)BRITANNIA PHARMACEUTICALS LTD. Address of Applicant:65 London Road Newbury Berkshire RG14 1JN U.K. (72)Name of Inventor: 1)NOWAK Rachael
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(57) Abstract:

A drug administering device comprises: a casing front portion (2) in which a cavity (37) is formed and which comprises front connecting means (15) a drug container (36) received in said cavity (37) a casing rear portion comprising a piston rod which is displaceable into said cavity (37) and rear connecting means for releasably connecting to said front connecting means (15) wherein said casing front portion (2) comprises at least two members (12 24) which in locking engagement with each other delimit a front portion (38) of said cavity (37) and a rear portion (39) having a cross section which is narrower than that of the front portion (38) and too narrow for the drug container (36) to pass.

No. of Pages: 24 No. of Claims: 13

(22) Date of filing of Application :02/11/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: A SOIL COMPACTION SYSTEM AND METHOD

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:E01C19/23 :2013/02370 :02/04/2013 :South Africa :PCT/IB2014/060350 :01/04/2014 :WO 2014/162261 :NA :NA	(71)Name of Applicant: 1)STROMSOE Roger Arnold Address of Applicant:575 Heron Place Cedar Lakes Maroeladal Ext. 11 2191 Sandton South Africa (72)Name of Inventor: 1)STROMSOE Roger Arnold
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The invention relates to a method of and system (200) for obtaining an indication of the soil strength of soil (100) over which a compactor roller (10) travels. The method includes determining the depth to which a drum (14) of the compactor roller (10) penetrates into and depresses the soil (100) when the compactor roller (10) travels over a soil surface. The system (200) includes a compactor roller (10) a measuring arrangement (40) and a processor (50) which is operatively connected to the measuring arrangement (40) and which is configured to process data received from the measuring arrangement (40). The measuring arrangement (40) includes an inertia! measurement unit (70 72 74) which is operatively connected to the compactor roller (10) wherein the arrangement (40) is configured to obtain an indication of the soil strength of soil (100) over which the compactor roller (10) travels during operation by determining the depth to which the drum (14) penetrates into and depresses the soil (100) over which it travels.

No. of Pages: 89 No. of Claims: 82

(22) Date of filing of Application :02/11/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: ADSORPTION CARRIER PACKED COLUMN

(51) International classification (31) Priority Document No	:A61M1/36 :2013115261	(71)Name of Applicant: 1)TORAY INDUSTRIES INC.
(32) Priority Date	:31/05/2013	Address of Applicant :1 1 Nihonbashi Muromachi 2 chome
(33) Name of priority country(86) International Application No	:Japan :PCT/JP2014/064378	Chuo ku Tokyo 1038666 Japan (72)Name of Inventor:
Filing Date	:30/05/2014	1)TOMITA Naotoshi
(87) International Publication No (61) Patent of Addition to Application	:WO 2014/192908	2)SHIMADA Kaoru 3)UENO Yoshiyuki
Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The purpose of the present invention is to provide an adsorption carrier packed column which enables a reduction in short pass and an improvement in the performance of an adsorption carrier. The present invention provides an adsorption carrier packed column provided with a center pipe an adsorption carrier a plate (A) and a plate (B) wherein an insertion material (C) is inserted between the adsorption carrier and the plate (B) the ratio between the deformation rate (C) of the insertion material (C) and the deformation rate (E) of the adsorption carrier is 1=C/E=10 the ratio between the deformation rate (D) of the insertion material (D) and the deformation rate (E) of the adsorption carrier is 1=D/E=10 the ratio between the thickness (T) of the insertion material (C) and the distance (L) of a gap between the adsorption carrier and the plate (A) is 1.1=T/L=4 and the ratio between the thickness (T) of the insertion material (D) and the distance (L) of a gap between the adsorption carrier and the plate (B) is 1.1=T/L=4.

No. of Pages: 32 No. of Claims: 5

(22) Date of filing of Application :02/11/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention : FLUIDIZED CATALYST CIRCULATION REACTOR FOR PARAFFIN OXYDATIVE DEHYDROGENATION

:B01J8/18,B01J8/24,B01J19/26 | (71)Name of Applicant : (51) International classification (31) Priority Document No :13/920543 1)UOP LLC Address of Applicant: 25 East Algonquin Road P. O. Box (32) Priority Date :18/06/2013 (33) Name of priority country 5017 Des Plaines Illinois 60017 5017 U.S.A. :U.S.A. (86) International Application No :PCT/US2014/041855 (72) Name of Inventor: :11/06/2014 Filing Date 1)STINE Laurence O. (87) International Publication No :WO 2014/204739 2)VORA Bipin V. (61) Patent of Addition to 3)IBRAHIM Malek Y.S. :NA **Application Number** 4)WEI Daniel H. :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract:

A process of oxidative dehydrogenation in a fluidized riser reactor is described. Hydrocarbon feed and catalyst are fed to the bottom of the fluidized riser reactor. Part of the hydrogen produced in the dehydrogenation reaction is oxidized using oxygen introduced into the riser reactor through oxygen injection ports to produce the heat required for the dehydrogenation reaction.

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

(21) Application No.10181/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/11/2015

(43) Publication Date: 29/01/2016

(54) Title of the invention : REMOVAL OF FRAGMENTS FROM A SAMPLE CONTAINING A TARGET PROTEIN USING ACTIVATED CARBON

(51) International :B01D15/26,B01D39/20,B01J20/282

(31) Priority Document No :61/845422 (32) Priority Date :12/07/2013 (33) Name of priority :U.S.A.

(86) International Application No :PCT/US2014/032937

Filing Date :04/04/2014

(87) International Publication No :WO 2015/005960

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to
Application Number
Filing Date
:NA
:NA
:NA

(71)Name of Applicant:

1)EMD MILLIPORE CORPORATION

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01821 (US). U.S.A. (72)Name of Inventor: 1)KOZLOV Mikhail 2)STONE Matthew T.

3)SKUDAS Romas 4)GALIPEAU Kevin

(57) Abstract:

The present invention provides novel and improved protein purification processes which incorporate certain types of carbonaceous materials and result in effective and selective removal of protein fragments without adversely affecting the yield of the desired protein product.

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

(21) Application No.10182/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/11/2015

(43) Publication Date: 29/01/2016

(54) Title of the invention: SURFACE GRAIN REFINING HOT SHEARING METHOD AND PRODUCT OF SURFACE GRAIN REFINING HOT SHEARING

(51) International

:B21D28/24,B21D28/00,C21D1/18

classification (31) Priority Document No

:2013099243

(32) Priority Date

:09/05/2013

(33) Name of priority country

:Japan

(86) International Application No

:PCT/JP2014/062534

Filing Date

:09/05/2014

(87) International Publication :WO 2014/181882

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

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Tokyo 1008071 Japan

(72)Name of Inventor:

1)MATSUNO Takashi

2)SEKITO Yoshihito

3)SUZUKI Tamaki

4)KAWASAKI Kaoru 5)SETO Atsushi

(57) Abstract:

A surface grain refining hot shearing method which comprises heating and keeping a steel sheet in a temperature range of Ac3 to 1400°C to austenitize the steel sheet setting the resulting steel sheet on a die to conduct the shearing of the sheet and then hardening the sheared workpiece by quenching wherein the initiation temperature of the shearing is adjusted to a temperature (°C) falling within a range between Ar3 plus 30°C and Ar3 plus 140°C Ar3 being a measured value obtained by Ar3 measurement of the steel sheet.

No. of Pages: 45 No. of Claims: 14

(22) Date of filing of Application :02/11/2015 (43) Publication Date: 29/01/2016

(54) Title of the invention: SPOT WELDING METHOD

(51) International

:B23K11/16,B23K11/11,B23K11/24

classification

:2013086837

(31) Priority Document No (32) Priority Date

:17/04/2013

(33) Name of priority country: Japan

(86) International Application No

:PCT/JP2014/060848

Filing Date

:16/04/2014

(87) International Publication :WO 2014/171495

(61) Patent of Addition to **Application Number**

Filing Date

(62) Divisional to **Application Number**

Filing Date

:NA

:NA :NA

:NA

(71)Name of Applicant:

1)NIPPON STEEL & SUMITOMO METAL

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Tokyo 1008071 Japan

(72) Name of Inventor:

1)FURUSAKO Seiji

2)WATANABE Fuminori

3)MIYAZAKI Yasunobu

4)OKADA Tohru

5) ZENIYA Tasuku

6)SATO Koichi

(57) Abstract:

Provided is a spot welding method in which variation in a reduction in hardness that is caused by tempering is minimized and high delayed fracture resistance characteristics are stably obtained by: using two step conduction to perform spot welding of a high strength steel plate that comprises 0.15 mass% or more of carbon and that has a tensile strength of 980 MPa or more; setting the ratio (I2/I1) of the current (11) of the first conduction step and the current (12) of the second conduction step to 0.5 0.8; setting the time (tc) of a cooling step to be within a range of 0.8—tmin to 2.5—tmin said range being calculated in accordance with the thickness (H) of the steel plate using a formula (0.2—H); setting the conduction time (t2) of the second conduction step to be within a range of 0.7—tmin to 2.5—tmin; and welding from the cooling step onward using an applied pressure that is greater than the applied pressure that is used until the first conduction step.

No. of Pages: 22 No. of Claims: 2

(22) Date of filing of Application :02/11/2015

(43) Publication Date: 29/01/2016

(54) Title of the invention : A MUTANT SIALIDASE HAVING TRANS SIALIDASE ACTIVITY FOR USE IN PRODUCTION OF SIALYLATED GLYCANS

(51) International classification :C07K14/435,C12N9/24 (71)Name of Applicant : (31) Priority Document No 1)DANMARKS TEKNISKE UNIVERSITET :13163551.8 (32) Priority Date Address of Applicant: Anker Engelundsvej 1 Bygning 101A 2. :12/04/2013 (33) Name of priority country :EPO sal DK 2800 Kgs. Lyngby Denmark (86) International Application No (72) Name of Inventor: :PCT/EP2014/057422 Filing Date :11/04/2014 1)MIKKELSEN J.rn Dalgaard (87) International Publication No :WO 2014/167112 2)JERS Carsten (61) Patent of Addition to Application 3)MICHALAK Malwina :NA Number 4)KEPP Kasper Planeta :NA Filing Date 5)LARSEN Dorte M_.ller (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract:

The invention provides a mutant enzyme having trans sialidase activity (EC 3.2.1.18) characterized by an enhanced trans sialidase:sialidase ratio when compared to its parent sialidase enzyme. Further the enzyme may be used in a method for trans sialylating mono and oligo saccharides including galacto oligosaccharides (GOS) fructo oligosaccharides (FOS) malto oligosaccharides (MOS) isomalto oligosaccarides (IMO) lactulose melibiose maltose glycosyl sucrose lactosucrose and fucose. Trans sialidated mono and oligo saccharides produced with the mutant enzyme are useful in preparing infant formula a prebiotic nutritional supplement and a food supplement.

No. of Pages: 71 No. of Claims: 15

(21) Application No.10188/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/11/2015 (43) Publication Date: 29/01/2016

(54) Title of the invention: MOISTURE INDICATING SYSTEM

(51) International :G01N27/04,A61F13/02,A61F13/00 classification

(31) Priority Document No :1309369.5 (32) Priority Date :24/05/2013

(33) Name of priority country: U.K.

(86) International Application :PCT/GB2014/051574 No

:22/05/2014 Filing Date

(87) International Publication :WO 2014/188200

(61) Patent of Addition to

:NA Application Number :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant: 1)SMITH & NEPHEW PLC

Address of Applicant: 15 Adam Street London WC2N 6LA

U.K.

(72) Name of Inventor:

1)HARTWELL Edward Yerbury

2)HICKS John Kenneth

(57) Abstract:

Device which indicates wound exudate loading within a wound dressing.

No. of Pages: 23 No. of Claims: 19

(22) Date of filing of Application :02/11/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: ADHESION PREVENTING MATERIAL

(51) International classification	:A61L31/00	(71)Name of Applicant:
(31) Priority Document No	:2013113336	1)OTSUKA PHARMACEUTICAL FACTORY INC.
(32) Priority Date	:29/05/2013	Address of Applicant :115 AzaKuguhara Tateiwa Muya cho
(33) Name of priority country	:Japan	Naruto shi Tokushima 7728601 Japan
(86) International Application No	:PCT/JP2014/064123	(72)Name of Inventor:
Filing Date	:28/05/2014	1)FUKUDA Tatsuru
(87) International Publication No	:WO 2014/192807	2)TAMURA Hirofumi
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The purpose of the present invention is to provide an adhesion preventing material which is designed so that the fluidity thereof changes with time in such a manner as being in the form of a gel with a high fluidity at administration and after the administration to a surgical incision/suture site being in the form of a gel with a low fluidity. A powdery adhesion preventing material to be mixed with an aqueous solvent before using said adhesion preventing material containing alginic acid and/or a salt thereof and being designed so as to show a viscosity at 37C of 70 mPass or less 5 minutes after mixing with the aqueous solvent and show a viscosity at 37C of 120 mPass or more 60 minutes after the mixing. When mixed with an aqueous solvent and administered at a clinical site the adhesion preventing material is maintained in a highly fluid state at the administration and after the administration to a surgical incision/suture site the fluidity thereof is lowered to thereby achieve both excellent operability and excellent adhesion preventing effect.

No. of Pages: 48 No. of Claims: 13

(22) Date of filing of Application :02/11/2015 (43) Publication Date: 29/01/2016

(54) Title of the invention: LIGHTING SYSTEMS FOR PROTECTING CIRCADIAN NEUROENDOCRINE FUNCTION

(51) International

:H05B37/02,A61N5/06,A61M21/00

classification

(31) Priority Document No :61/808584

(32) Priority Date

:04/04/2013 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2014/032858

:03/04/2014

Filing Date (87) International Publication :WO 2014/165692

(61) Patent of Addition to :NA

Application Number Filing Date

:NA (62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1) CIRCADIAN MANAGEMENT, INC

Address of Applicant: 2 Main Street Suite 310 Stoneham MA

02180 U.S.A.

(72) Name of Inventor:

1)MOORE EDE Martin Christopher

2)CHACKO Rebecca Mary

3) HEITMANN Anneke Marlies 4)CASPER Robert Frederic

5)KARLICEK Robert Frank Jr.

6)PLATIKA Doros

7)TRUTSCHEL Udo

(57) Abstract:

Lighting systems methods and devices for protecting human circadian neuroendocrine function during night use are described. Suitable lighting conditions can be provided for a working environment while protecting the circadian neuroendocrine systems of those occupying the illuminated workplace during the night. Lighting systems methods and devices can provide substantive attenuation of the pathologic circadian disruption in night workers. Lighting systems methods and devices can attenuate the specific bands of light implicated in circadian disruption. LED lighting systems methods and devices can provide increased intensity at a different portion of the spectrum than conventional LEDs providing a useable white light even when unfavorable portions of the wavelength are attenuated by a notch filter. LED lighting systems methods and devices can switch between a daytime configuration and a night time configuration wherein the daytime configuration provides unfiltered light and the night time configuration provides filtered light.

No. of Pages: 79 No. of Claims: 70

(21) Application No.10191/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/11/2015 (43) Publication Date: 29/01/2016

(54) Title of the invention: ARRAYS OF DISCRETE CELL CULTURE MICROENVIRONMENTS METHODS OF MAKING SUCH ARRAYS AND USES THEREOF

(51) International :C12N5/00,C12N5/0735,C12N5/071

classification

(31) Priority Document No :13166952.5 :08/05/2013 (32) Priority Date

(33) Name of priority country: EPO

(86) International :PCT/EP2014/059501

Application No :08/05/2014 Filing Date

(87) International Publication :WO 2014/180970

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

LAUSANNE (EPFL)

Address of Applicant :EPFL TTO Quartier de linnovation J

1)ECOLE POLYTECHNIQUE FEDERALE DE

CH 1015 Lausanne Switzerland

(72)Name of Inventor: 1)LUTOLF Matthias 2)RANGA Adrian

(71)Name of Applicant:

(57) Abstract:

The invention pertains to a combinatorial method of identifying the hydrogel formulations controlling phenotype and fate of difficult to culture cell types.

No. of Pages: 78 No. of Claims: 15

(22) Date of filing of Application :02/11/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: METHODS AND MEDIA FOR DIFFERENTIATING EYE CELLS

(51) International classification :C12N5/079,C12N5/0797 (71)Name of Applicant : (31) Priority Document No 1)TAMPEREEN YLIOPISTO :20135318 (32) Priority Date :03/04/2013 Address of Applicant :FI 33014 Tampereen yliopisto Finland (33) Name of priority country (72) Name of Inventor: :Finland (86) International Application No :PCT/FI2014/050053 1)MIKHAILOVA Alexandra Filing Date :23/01/2014 2) ILMARINEN Tanja (87) International Publication No :WO 2014/162040 3)SKOTTMAN Heli (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract:

Here is provided a novel differentiation protocol which was experimentally shown to give rise to corneal epithelial precursor cells or early pigmented RPE precursor cells in defined and xeno free conditions. The early precursor cells may be further maturated towards corneal epithelium cells stratified corneal epithelium or mature RPE cells. Such cells may contribute to treatment and research of corneal and retinal conditions diseases pathologies as well as toxicology and drug development.

No. of Pages: 38 No. of Claims: 26

(21) Application No.10194/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/11/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: ROTARY CUTTING TOOL HAVING A CUTTING EDGE MADE OF MULTIPLE MATERIALS

(51) International classification	n:B23B51/00,B23C5/10,B23D77/00	(71)Name of Applicant:
(31) Priority Document No	:1354887	1)MECACHROME FRANCE
(32) Priority Date	:29/05/2013	Address of Applicant :Zi de la Boitardiere Bp 20300 Rue de
(33) Name of priority country	:France	Saint Regle F 37403 Amboise Cedex France
(86) International Application	DCT/FD2014/051226	(72)Name of Inventor:
No	:PCT/FR2014/051236	1)DUVAL Laurent
Filing Date	:27/05/2014	
(87) International Publication No	:WO 2014/191673	
(61) Patent of Addition toApplication NumberFiling Date	:NA :NA	
(62) Divisional to Application Number	:NA	

(57) Abstract:

Filing Date

The invention relates to a rotary cutting tool (1) made of multiple materials and to a method for producing a tool of this kind said tool comprising at least one continuous or substantially continuous cutting edge (8 9) made of at least two different successive materials. The end or top (10) of the tool is a point eccentric in relation to the axis of rotation (5) of the tool.

No. of Pages: 29 No. of Claims: 13

:NA

(22) Date of filing of Application :02/11/2015 (43) Publication Date: 29/01/2016

(54) Title of the invention: BICYCLIC ARYL SULPHIDE AND ARYL SULPHOXIDE DERIVATIVES AS PEST CONTROL **AGENT**

(51) International :C07D471/04,A01N43/90,A01P7/00

classification

(31) Priority Document No :13170445.4 (32) Priority Date :04/06/2013

(33) Name of priority country: EPO

(86) International Application: PCT/EP2014/061231

No :30/05/2014 Filing Date

(87) International Publication: WO 2014/195232

(61) Patent of Addition to :NA **Application Number**

:NA Filing Date

(62) Divisional to :NA **Application Number** :NA

Filing Date

(71)Name of Applicant:

1)BAYER CROPSCIENCE AKTIENGESELLSCHAFT

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(72) Name of Inventor:

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3)FISCHER Reiner 4)K-HLER Adeline

5)HAHN Julia Johanna

6)ILG Kerstin

7)PORTZ Daniela

8)MALSAM Olga

9)L-SEL Peter

10)BECKER Angela

11)G-RGENS Ulrich

(57) Abstract:

The present application relates to new heterocyclic compounds of formula (I) where V is an oxygen a sulphur or a substituted nitrogen; O is a substituted carbon or nitrogen; O O O O are each independently of one another a substituted carbon or nitrogen wherein at least one of the structure elements Q Q Q Q is nitrogen and no more than two of the structure elements Q Q Q Q are nitrogen; W is hydrogen or halogen; n is the number 0 1 or 2; and X Y and z are independently of one another hydrogen halogen alkyl etc. The present application further relates to a method for producing said compounds to the use thereof in controlling animal pests including arthropods and particularly insects and acarids and to intermediate products for producing the heterocyclic compounds.

No. of Pages: 80 No. of Claims: 15

(22) Date of filing of Application :02/11/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: PROCESS FOR THE DIASTEREOSELECTIVE PREPARATION OF RUTHENIUM COMPLEXES

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:01/04/2014 :WO 2014/166777 :NA :NA	(71)Name of Applicant: 1)SYNGENTA PARTICIPATIONS AG Address of Applicant: Schwarzwaldallee 215 CH 4058 Basel Switzerland (72)Name of Inventor: 1)LOTHSCHUETZ Christian 2)SAINT DIZIER Alexandre Christian
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

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

(51) International

(32) Priority Date

(86) International

Filing Date

Application Number

Filing Date

Application Number

Filing Date

(62) Divisional to

(61) Patent of Addition to

Application No

(31) Priority Document No

(33) Name of priority country:India

(87) International Publication :WO 2014/180740

classification

(22) Date of filing of Application :02/11/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: HERBICIDAL COMPOUNDS

:1378/DEL/2013

:PCT/EP2014/058950

:08/05/2013

:01/05/2014

:NA

:NA

:NA

:NA

(71)Name of Applicant :

1)SYNGENTA PARTICIPATIONS AG

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Switzerland

:A01P13/00,A01N43/80,A01N47/06

2)SYNGENTA LIMITED

(72)Name of Inventor:

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11)PAL Sitaram

12)BLACK Janice

13)SASMAL Swarnendu

14)SAWANT Guruprasad Narashimh

15)PURUMANDLA Srinivas Reddy

16)GHORAI Sujit Kumar

(57) Abstract:

The invention relates to pyrrolone compounds of the formula (I) wherein X R R R R and R are as defined in the specification. Furthermore the present invention relates to processes and intermediates for making compounds of formula (I) to herbicidal compositions comprising these compounds and to methods of using these compounds to control plant growth.

No. of Pages: 95 No. of Claims: 22

(21) Application No.10198/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/11/2015 (43) Publication Date: 29/01/2016

(54) Title of the invention: CROP ENHANCEMENT

(51) International :A01N43/54,A01N47/24,A01N37/50 classification

(31) Priority Document No :13165998.9 (32) Priority Date :30/04/2013

(33) Name of priority :EPO country

(86) International

:PCT/EP2014/058511 Application No

:25/04/2014 Filing Date

(87) International

:WO 2014/177475 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to

:NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)SYNGENTA PARTICIPATIONS AG

Address of Applicant: Schwarzwaldallee 215 CH 4058 Basel

Switzerland

(72) Name of Inventor:

1)HAAS Ulrich Johannes

(57) Abstract:

A method for increasing the resistance of a potato plant to cold stress and/or improving plant growth which method comprises treating the potato tuber from which the plant is to grow with at least one strobilurin at surprisingly very low rates.

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

(21) Application No.10990/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention : METHODS AND APPARATUS FOR PREEMPTIVE BACKOFF FOR MEDIUM ACCESS IN WIRELESS PEER-TO-PEER NETWORKS •

Filing Date :26/05/20	Address of Applicant :Attn: International IP Administration 5775 Morehouse Drive San Diego California 92121-1714 U.S.A.
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(57) Abstract:

A method of operating a wireless device is provided in which a number of neighboring nodes is estimated, a medium access priority to access a communication resource in a current timeslot is determined, and whether to transmit a scheduling control signal in the current timeslot is determined based on the number of neighboring nodes and the medium access priority.

No. of Pages: 34 No. of Claims: 52

(21) Application No.10991/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: SEMI-CONSTRAINED ANKLE PROSTHESIS HAVING A ROTATING BEARING INSERT •

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:26/05/2011 :WO/2011/150148 :NA :NA :NA	(71)Name of Applicant: 1)DEPUY PRODUCTS INC. Address of Applicant: 700 Orthopaedic Drive Warsaw Indiana 46581 U.S.A. (72)Name of Inventor: 1)JACK F. LONG
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A semi - constrained ankle prosthesis (10) includes a tibial component (12) configured to be coupled to a surgically-prepared surface of the distal end of a tibia, and a bearing insert (16) locked to the tibial component. The bearing insert is rotative relative to the tibial component and has an articular surface (26) formed in an inferior surface (52) thereof.

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

(21) Application No.10992/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/12/2012 (43) Publication Date: 29/01/2016

(54) Title of the invention: INSULIN-LIKE GROWTH FACTOR 1 RECEPTOR BINDING PEPTIDES •

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:25/05/2011 :WO/2011/150061 :NA :NA :NA	(71)Name of Applicant: 1)JANSSEN BIOTECH INC. Address of Applicant:800/850 Ridgeview Drive Horsham PA 19044 U.S.A. (72)Name of Inventor: 1)MICHAEL DIEM 2)KARYN OTMNEIL
Filing Date	:NA	

(57) Abstract:

Disclosed are insulin-like growth factor 1 receptor binding polypeptides, and the polynucleotides encoding the polypeptide. Disclosed are also methods of producing the polypeptides using cell expression systems and cell free systems, and methods of using the polypeptides for fusion protein production. The polypeptides disclosed can provide means for delivering therapeutic agents across the blood-brain barrier (BBB).

No. of Pages: 38 No. of Claims: 11

(21) Application No.10994/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: METHOD TO PROVIDE POWER GAIN IN AN ENGINE •

(51) International classification	:B64F	(71)Name of Applicant:
(31) Priority Document No	:61/347,869	1)THE LUBRIZOL CORPORATION
(32) Priority Date	:25/05/2010	Address of Applicant :29400 Lakeland Boulevard Wickliffe
(33) Name of priority country	:U.S.A.	Ohio 44092-2298 U.S.A.
(86) International Application No	:PCT/US2011/037491	(72)Name of Inventor:
Filing Date	:23/05/2011	1)ROBERT H. BARBOUR
(87) International Publication No	:WO/2011/149799	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present invention provides fuel compositions containing specific additives quaternary ammonium salts or combination of additives as well as methods of operating internal combustion engines using such fuel compositions, resulting in a power gain in the engines.

No. of Pages: 27 No. of Claims: 13

(21) Application No.10995/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/12/2012 (43) Publication Date: 29/01/2016

(54) Title of the invention: NOVEL PROCESSES FOR THE PREPARATION OF PHENYLCYCLOPROPYLAMINE DERIVATIVES AND USE THEREOF FOR PREPARING TICAGRELOR

(51) International

:C07C209/56,C07C209/62,C07C211/40

classification

(31) Priority Document :1841/CHE/2010

No

(32) Priority Date :30/06/2010
 (33) Name of priority .India

country

:India

(86) International

:PCT/IB2011/002246

Application No Filing Date

:28/06/2011

(87) International

Publication No :WO 2012/001531

(61) Patent of Addition to
Application Number :NA

lication Number :NA Filing Date :NA

(62) Divisional to Application Number Filing Date :NA (71)Name of Applicant:

1)ACTAVIS GROUP PTC EHF

Address of Applicant: Reykjavikurvegi 76 78 IS 220

Hafnarfjrour Ice Land (72)**Name of Inventor:**

1)KHILE Anil Shahaji

2)NAIR Vignesh

3)TRIVEDI Nikhil

4)PRADHAN Nitin Sharadchandra

(57) Abstract:

Provided herein are novel processes for the preparation of phenylcyclopropylamine derivatives, which are useful intermediates in the preparation of triazolo[4,5-d]pyrimidine compounds. Provided particularly herein are novel, commercially vi able and industrially advantageous processes for the preparation of a substantially pure ticagrelor intermediate, trans-(lR,2S)-2- (3,4-difluorophenyl)-cyclopropylamine. Provided further herein are novel acid addition salts of trans-(lR,2S)-2-(3,4-difluorophenyl)-cyclopropylamine, and process for their preparation. The intermediate and its acid addition salts are useful for preparing ticagrelor, or a pharmaceutically acceptable salt thereof, in high yield and purity.

No. of Pages: 75 No. of Claims: 24

(19) INDIA

(22) Date of filing of Application :18/12/2012

(21) Application No.10996/DELNP/2012 A

(43) Publication Date: 29/01/2016

(54) Title of the invention: A TOILET

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number 	:23/05/2011 :WO 2011/144950 :NA	(71)Name of Applicant: 1)LOOWATT LTD Address of Applicant:8th Floor 6 New Street Square New Fetter Lane London Greater London EC4A 3AQ U.K. (72)Name of Inventor: 1)NATT Christopher David 2)HOLDEN Christopher James 3)GARDINER Virginia Summerfield 4)BROWN Darren Mark
(61) Patent of Addition to Application		3)GARDINER Virginia Summerfield
(62) Divisional to Application Number Filing Date	:NA :NA	-/

(57) Abstract:

A toilet wherein: the toilet has an aperture (110) which in use would be located in an upper part of the toilet; the toilet comprising or adapted to receive a dispensing means arranged beneath the aperture for dispensing a tube (12) of collection bag material in a downward direction; wherein the toilet is adapted such that in operation while the tube is moved downward the toilet creates a divide in the tube by pressing the sides of the tube together.

No. of Pages: 48 No. of Claims: 25

(21) Application No.1/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :01/01/2013 (43) Publication Date : 29/01/2016

(54) Title of the invention : ACOUSTIC SIGNALLING TO SWITCH FROM INFRASTRUCTURE COMMUNICATION MODE TO AD HOC COMMUNICATION MODE

(51) International classification :H04R (31) Priority Document No :13/350,33 (32) Priority Date :13/01/201 (33) Name of priority country :U.S.A. (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	7 - 1 F - 1 - 1
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(57) Abstract:

A system includes a first computerized device configured for communicating in an infrastructure mode and an ad hoc mode and a second computerized device configured for communicating at least in the ad hoc mode. A first computerized device operating in infrastructure mode prompts the user of the first computerized device to switch to ad hoc mode in order to communicate with the second computerized device.

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

(21) Application No.11000/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/12/2012 (43) Publication Date: 29/01/2016

(54) Title of the invention: PUMP IN PARTICULAR A HIGH PRESSURE FUEL PUMP

(51) International classification :F02M59/10,F02M59/44,F02M63/00

(31) Priority Document No :10 2010 030 498.0 (32) Priority Date :24/06/2010 (33) Name of priority

country :Germany

(86) International :PCT/EP2011/058397

Application No Filing Date :24/05/2011

(87) International Publication No :WO 2011/160908

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to

:NA
:NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:
1)ROBERT BOSCH GMBH

Address of Applicant :Postfach 30 02 20 70442 Stuttgart

Germany

(72)Name of Inventor : 1)MAIER Eberhard 2)SCHETTER Markus

(57) Abstract:

The pump comprises at least one pump element which has a pump piston that is at least indirectly driven in a stroke movement by a drive shaft. A plunger having a plunger body is arranged between the drive shaft and the pump piston and is movably guided in a receiving device in the direction of the stroke movement of the pump piston and is supported on the drive shaft by means of a support element. Lubricant is supplied to the receiving device via a supply line and lubricant is conducted out of the receiving device via a discharge line into the plunger body to the support element. An annular gap filter is provided between the plunger body and the receiving device and is arranged between the supply line for supplying lubricant to the receiving device and the discharge line for discharging lubricant into the plunger body.

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

(21) Application No.11001/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: ANNEXIN 1 ANTIBODY

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:C07K16/18 :1009675.8 :09/06/2010 :U.K. :PCT/GB2011/000876 :09/06/2011 :WO 2011/154705 :NA :NA	(71)Name of Applicant: 1)QUEEN MARY & WESTFIELD COLLEGE UNIVERSITY OF LONDON Address of Applicant: Mile End Road London E1 4NS U.K. (72)Name of Inventor: 1)DACQUISTO Fulvio 2)PERRETTI Mauro
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The present invention provides a specific binding molecule raised against the human Anx Al protein having the amino acid sequence shown in Figure 2A. The present invention also relates to the use of such a specific binding molecule in the treatment of T cell mediated disease.

No. of Pages: 73 No. of Claims: 22

(21) Application No.11002/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/12/2012 (43) Publication Date: 29/01/2016

(54) Title of the invention: SOFT COATED POWDER CENTRE FILLED GUM

(51) International classification :A23G3/00,A23G4/06,A23G4/20 (71) Name of Applicant: (31) Priority Document No :GB1010292.9

(32) Priority Date :18/06/2010 (33) Name of priority country :U.K.

(86) International Application :PCT/IB2011/002195

No :17/06/2011 Filing Date

(87) International Publication No:WO 2011/158123

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1) CADBURY EUROPE SA

Address of Applicant: 3 Avenue Des Uttins 3 CH 1180 Rolle

Switzerland

(72) Name of Inventor: 1)BOUDY François 2)BUSOLIN Andre

3)LAVIE Richard

(57) Abstract:

The present invention relates to a chewing gum composition that includes one or more layers surrounding a central core at least one of the one or more layers surrounding the central core is a layer of chewing gum wherein the central core includes a first material in a powder form having a first average grain size and wherein the outermost layer of the one or more layers includes a coating that includes a second material in a powder form having a second average grain size.

No. of Pages: 42 No. of Claims: 19

(21) Application No.11003/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/12/2012 (43) Publication Date: 29/01/2016

(54) Title of the invention: A BATTERY MODULE

(51) International classification :H01M 2/10 (71)Name of Applicant: (31) Priority Document No 1)LG CHEM LTD. :10-2004-0111699 (32) Priority Date Address of Applicant :20, YOIDO-DONG, :24/12/2004 (33) Name of priority country YOUNGDUNGPO-GU, SEOUL 150-721, REPUBLIC OF :Republic of Korea (86) International Application No :PCT/KR05/003755 KOREA. Republic of Korea (72) Name of Inventor: Filing Date :08/11/2005 (87) International Publication No :WO 2006/068366 1)JUNILL YOON (61) Patent of Addition to Application 2)JONG-YUL RO :NA 3)JOHN E. NAMGOONG :NA Filing Date 4)DO YANG JUNG (62) Divisional to Application Number :3612/DELNP/2012 Filed on :15/05/2007

(57) Abstract:

A communication network includes a local area network (LAN) and a wireless access point coupled to the LAN. In one embodiment, each access point includes a medium access control (MAC) stage, and a radio frequency (RF) transmitter/receiver for communicating unsecure message data via RF links with users of associated wireless devices. An optical transmitter/receiver in the access point enables the users to communicate secure message data over the LAN via free space optical (FSO) links with the users. The MAC stage operates (i) to direct unsecure data from the LAN to the wireless device users and to direct unsecure data from the users to the LAN, via the RF transmitter/receiver; and (ii) to direct secure data from the LAN to the wireless device users and to direct secure data from the users to the LAN, via the optical transmitter/receiver. An integrated VolP/FSO portable handset is also disclosed.

No. of Pages: 25 No. of Claims: 5

(22) Date of filing of Application: 18/12/2012 (43) Publication Date: 29/01/2016

(54) Title of the invention : AERODYNAMIC COUPLING BETWEEN TWO ANNULAR ROWS OF STATIONARY VANES IN A TURBINE ENGINE \bullet

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application 	:17/06/2011 :WO/2011/157971	(71)Name of Applicant: 1)SNECMA Address of Applicant: 2 boulevard du General Martial Valin F-75015 Paris France (72)Name of Inventor: 1)OLIVIER STEPHANE DOMERCQ 2)VINCENT PAUL GABRIEL PERROT 3)HANNA REISS
 (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:WO/2011/15/9/1 :NA :NA :NA :NA	2)VINCENT PAUL GABRIEL PERROT 3)HANNA REISS 4)JEAN-FRANCOIS RIOS

(57) Abstract:

A turbine engine comprising at least first and second successive annular rows of stationary vanes, such as for example an annular row of stationary vanes (112, 112) of a nozzle stage (110) and an annular row of casing arms (120) arranged downstream from the nozzle, the turbine engine being characterized in that each vane (120) of the second row extends in a radial plane (C) lying between the trailing edges of two consecutive vanes (112) of the first row, and in that the pitch (P1) between these two vanes (112) of the first row is greater than the pitch (P2) between the other vanes (112) of the first row.

No. of Pages: 11 No. of Claims: 5

(21) Application No.11014/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/12/2012 (43) Publication Date: 29/01/2016

(54) Title of the invention: DISPLAY, IN PARTICULAR HEAD-UP-DISPLAY OF A VEHICLE

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:H04N :102010021496.5 :26/05/2010 :Germany :PCT/EP2011/001537 :28/03/2011 :WO/2011/147501 :NA :NA	(71)Name of Applicant: 1)JOHNSON CONTROLS GMBH Address of Applicant: Industriestrasse 20-30 51399 Burscheid Germany (72)Name of Inventor: 1)BERND LUDEWIG 2)SEBASTIEN HERVY
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(57) Abstract:

The present invention relates to a display, in particular Head-Up-Display of a vehicle, comprising an image forming unit for generating an image, an illumination means for illuminating the image forming unit and a deflecting unit for providing a user with a virtual image of the image generated by the image forming unit, wherein the image forming unit comprises a reflective LCoS- (Liquid Crystal on Silicon) display and the deflecting unit comprises a partially transmissive combiner.

No. of Pages: 11 No. of Claims: 13

(21) Application No.11015/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/12/2012 (43) Publication Date: 29/01/2016

(54) Title of the invention : METHOD FOR DETERMINING STAGE OF CHRONIC KIDNEY DISEASE DEVICE THEREFOR AND METHOD FOR OPERATING THE SAME

(51) International classification (71)Name of Applicant: :A61B (31) Priority Document No 1)NORIAKI TANAKA :2010-124367 (32) Priority Date :31/05/2010 Address of Applicant: 707 Kitanoda Higashi-ku Sakai-shi (33) Name of priority country Osaka 5998123 Japan :Japan (86) International Application No :PCT/JP2011/062344 (72)Name of Inventor : Filing Date :30/05/2011 1)NORIAKI TANAKA (87) International Publication No :WO/2011/152339 2)MASAHIRO KOHNO (61) Patent of Addition to Application 3)EMIKO SATO :NA Number 4)KOUICHI FUJIWARA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract:

This invention provides a method or device for determining the stage of chronic kidney disease. The present, invention relates to a method for determining a stage of chronic kidney disease in a subject suffering from kidney disease, the method comprising the steps of: (A-1) measuring the content of at least one marker selected from the group consisting of markers (1) to (16) in a specimen from the subject, (B-1) determining the stage indicated by each marker by comparing the content of the at least one marker in the specimen from the subject, which has been measured in step (A-1), with a reference content range determined in each stage, and (C-1) determining that when each marker indicates the same stage, which has been determined in step (A-1), the chronic kidney disease in the subject is in that stage.

No. of Pages: 57 No. of Claims: 11

(21) Application No.11016/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: POLYURETHANE BASED PHOTOINITIATORS •

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application 	:C08F :PA 2010 70282 :22/06/2010 :Denmark :PCT/DK2011/050225 :22/06/2011 :WO/2011/160637 :NA	(71)Name of Applicant: 1)COLOPLAST A/S Address of Applicant: Holtedam 1 DK-3050 Humlebaek Denmark (72)Name of Inventor: 1)CHRISTIAN B. NIELSEN 2)NIELS JOERGEN MADSEN
` '		2)NIELS JOERGEN MADSEN
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A photoinitiator of the general formula (I): (-(R1(A1)m)u-(R2(A2)n-0)0-(R3(A3)p-0)q-(R4(A4)r)v-C(0)NH-R5(A5)5-NHC(0))t-wherein R1(R2, R3, R4 and R5 and m, n, o, p, q, r, s, t, u and v are as defined herein and A1, A2, A3, A4 and A5 are identical or different photoinitiator moieties.

No. of Pages: 26 No. of Claims: 23

(21) Application No.11017/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/12/2012 (43) Publication Date: 29/01/2016

(54) Title of the invention: WELL SERVICING FLUID •

(51) International classification	:C07C	(71)Name of Applicant:
(31) Priority Document No	:12/790,577	1)BAKER HUGHES INCORPORATED
(32) Priority Date	:28/05/2010	Address of Applicant :2929 Allen Parkway Suite 2100
(33) Name of priority country	:U.S.A.	Houston TX 77019-2118 U.S.A.
(86) International Application No	:PCT/US2011/034440	(72)Name of Inventor:
Filing Date	:29/04/2011	1)SATYANARAYANA D.V. GUPTA
(87) International Publication No	:WO/2011/149618	2)KAY ELAINE CAWIEZEL
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A nano-dispersion well servicing fluid is disclosed. The well servicing fluid is formulated with components comprising: nanoparticles comprising at least one material chosen from aluminum oxides, aluminum hydroxides, aluminum hydroxyoxides, zirconium hydroxyoxides, zirconium hydroxyoxides, wherein the concentration of nanoparticles is greater than 0.5% by weight based on the total weight of the nano-dispersion well servicing fluid. The well servicing fluid also comprises an aqueous base continuous phase. Methods of employing the nano-dispersion to service a wellbore are also disclosed.

No. of Pages: 29 No. of Claims: 24

(21) Application No.11007/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/12/2012 (43) Publication Date: 29/01/2016

(54) Title of the invention: METHODS OF TREATING BLADDER CANCER

(51) International classification :A61K31/337,A61K47/42,A61K9/14

(31) Priority Document No :61/396800 (32) Priority Date :02/06/2010 (33) Name of priority

country :U.S.A.

(86) International Application No :PCT/US2011/037449

Filing Date :20/05/2011

(87) International Publication No :WO 2011/153009

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)ABRAXIS BIOSCIENCE LLC

Address of Applicant :11755 Wilshire Boulevard Suite 2100

Los Angeles CA 90025 U.S.A.

(72)Name of Inventor: 1)DESAI Neil P.

2)SOON SHIONG Patrick

(57) Abstract:

The present invention provides methods and compositions for treating bladder cancer including metastatic bladder cancer and non muscle invasive bladder cancer by administering a composition comprising nanoparticles that comprise a taxane and an albumin.

No. of Pages: 70 No. of Claims: 27

(21) Application No.11008/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/12/2012 (43) Publication Date: 29/01/2016

(54) Title of the invention: CRYSTALLINE FORMS OF KINASE INHIBITORS

(51) International :C07D495/04,A61K31/4365,A61P35/00 classification

:61/353038

(31) Priority Document

(32) Priority Date :09/06/2010 (33) Name of priority :U.S.A.

country

(86) International

Application No :08/06/2011

Filing Date (87) International

:WO 2011/156464

(61) Patent of Addition to :NA **Application Number**

:NA Filing Date (62) Divisional to

Publication No

Application Number Filing Date

:PCT/US2011/039591

:NA

:NA

(71)Name of Applicant:

1)ABBVIE INC.

Address of Applicant: 1 North Waukegan Road North Chicago

IL 60064 U.S.A.

(72)Name of Inventor:

1)HOFFMAN Doug H. 2)MILLER Jonathan

3)ZHANG Geoff G. Z.

(57) Abstract:

Citrate salts of N-(4-{4-amino-7-[1-(2-hydroxyethyl)-lH-pyrazol-4-yl]thieno[3,2-c]pyridin-3-yl}phenyl)-N-(3-fluorophenyl) urea and crystalline forms thereof are suitable pharmaceutical ingredients for pharmaceutical compositions useful in the treatment of disease, for example, cancer.

No. of Pages: 33 No. of Claims: 26

(21) Application No.11009/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/12/2012 (43) Publication Date: 29/01/2016

(54) Title of the invention: CRYSTALLINE FORMS OF KINASE INHIBITORS

(51) International :C07D495/04,A61K31/4365,A61P35/00 classification

:61/353058

(31) Priority Document

(32) Priority Date :09/06/2010 (33) Name of priority :U.S.A.

country

(86) International :PCT/US2011/039582

Application No

:08/06/2011 Filing Date

(87) International

:WO 2011/156461 Publication No

(61) Patent of Addition to :NA **Application Number**

:NA Filing Date (62) Divisional to :NA

Application Number :NA Filing Date

(71)Name of Applicant:

1)ABBVIE INC.

Address of Applicant: 1 North Waukegan Road North Chicago

IL 60064 U.S.A.

(72)Name of Inventor: 1)ZHANG Geoff G.Z.

2)BRACKEMEYER Paul J.

3)SHEIKH Ahmad Y.

(57) Abstract:

N-(4-{4-amino-7-[1-(2-hydroxyethyl)-1H-pyrazol-4-yl]thieno[3,2-c]pyridin-3-yl}phenyl)-N-(3-fluorophenyl)urea free base and crystallines form thereof are suitable pharmaceutical ingredients for pharmaceutical compositions useful in the treatment of disease, for example, cancer.

No. of Pages: 31 No. of Claims: 22

(21) Application No.11010/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/12/2012 (43) Publication Date: 29/01/2016

(54) Title of the invention: DEVICE FOR DISPENSING A FLUID PRODUCT

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date 	:A61M15/00 :1054626 :11/06/2010 :France :PCT/FR2011/051311 :09/06/2011	(71)Name of Applicant: 1)APTAR FRANCE SAS Address of Applicant: Lieudit le Prieur F 27110 Le Neubourg France (72)Name of Inventor: 1)COLOMB Arnaud
(87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:09/06/2011 :WO 2011/154659 :NA :NA :NA	2)SALLAK Zakaria

(57) Abstract:

The invention relates to a device for dispensing a fluid product, which comprises a dose counter for indicating the number of doses dispensed or remaining to be dispensed, said counter comprising at least one rotary counting lment (200) provided with an indication means, such as figures or numbers, and provided with first gear teeth (210) and second gear teeth (220); a mobile actuating lment, suitable for engaging with said first gear teeth (210) of said counting lment (200) in order to rotate same; and a non-return means (250) suitable for engaging with said second gear teeth (220) in order to prevent said counting lment (200) from rotating in the direction opposite to that provided by said actuating lment (160), said non-return means (250) comprising a substantially Vshaped tip (255) engaging after each actuation of the counter with a respective tooth of said second gear teeth (220) in a locking position, said tip (255) comprising a first arm (251) suitable for engaging in the locking position with a locking shoulder (221) of said tooth and a second planar arm (252) suitable for engaging with a planar surface (222) of said tooth, said second planar arm (252) and said planar surface (222) being co-planar when said tip (255) is in the locking position, said tip (255) being elastically biased towards said locking position, such as to guarantee preise positioning of said counting lment (200) after each actuation of the counter.

No. of Pages: 19 No. of Claims: 4

(21) Application No.11011/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/12/2012 (43) Publication Date: 29/01/2016

(54) Title of the invention: METHOD OF PREPARING FLOUR OR SPLITS OF LEGUME

(51) International classification :A21D2/00,A23L1/20,A23L1/211 (71)Name of Applicant : (31) Priority Document No 1)BHLER AG :1310/DEL/2010 (32) Priority Date :04/06/2010 Address of Applicant : Gupfenstrasse 5 CH 9240 Uzwil (33) Name of priority country :India Switzerland (86) International Application (72) Name of Inventor: :PCT/EP2011/055801 1)ZAMPROGNA Eliana :13/04/2011 Filing Date 2)BELLAIO Stefania (87) International Publication 3)JACOBS Michael :WO 2011/151096 4) CONDE PETIT Batrice (61) Patent of Addition to 5)KELLER Urs :NA **Application Number** 6)MANE Dipak Balasaheb :NA Filing Date 7)NATTERER Marcel (62) Divisional to Application :NA Number :NA

(57) Abstract:

Filing Date

A method of preparing flour or splits of legume according to the invention comprises the steps of: i) providing legume; ii) allowing the legume to partially germinate; iii) optionally terminating germination of the legume; iv) preparing the partially germinated legume for milling; v) optionally milling the prepared legumes of step iv). Partial germination was found besides increasing the content of nutrients and decreasing the content of antinutrients to enhance the physical quality of splits and to enhance the dehusking yield. Moreover nutritionally more beneficial flour and splits can be provided.

No. of Pages: 53 No. of Claims: 16

(21) Application No.11021/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/12/2012 (43) Publication Date: 29/01/2016

(54) Title of the invention : METHODS AND APPARATUS FOR THE ACQUISITION AND EXCHANGE OF MEDIA CONTENT IN COMMUNICATIONS NETWORK

(57) Abstract:

Methods and apparatus for acquisition and exchange of media content. In one embodiment the apparatus and methods facilitate selling and buying of content. A broker accepts content submitted by a content source and makes it available for sale to buyers. In another embodiment the methods and apparatus also provide pricing reduction services as a function of time. The content owner is able to price their media content with pre-selected (or user entered) parameters which allow the sale price of the media content to automatically change at predetermined time intervals. In another embodiment the methods and apparatus enable selling and buying editing services using the broker. The broker enables the secure exchange of media content between the editor and the customer (a content source or buyer) to enable editing services for the media content. The content source content buyer and content editor may communicate with one another through the broker platform.

No. of Pages: 56 No. of Claims: 45

(21) Application No.11022/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: INFORMATION INTEGRATION CONTROL SYSTEM AND INFORMATION PROCESSING PROGRAM SOCIAL INFRASTRUCTURE OPERATION SYSTEM OPERATION METHOD LOCAL APPARATUS SERVER APPARATUS AND PROGRAM

(51) International classification	:G06F	(71)Name of Applicant :
	:2011-132703	
(31) Priority Document No		1)KABUSHIKI KAISHA TOSHIBA
(32) Priority Date	:14/06/2011	Address of Applicant :1-1 Shibaura 1-chome Minato-ku
(33) Name of priority country	:Japan	Tokyo 105-8001 Japan Japan
(86) International Application No	:PCT/JP2012/065247	(72)Name of Inventor:
Filing Date	:14/06/2012	1)Masato Shibuya
(87) International Publication No	:WO/2012/173189	2)Yutaka Iino
(61) Patent of Addition to Application	:NA	3)Yoshitaka Kobayashi
Number	:NA	4)Koichi Hirooka
Filing Date	.INA	5)Yoshiyuki Matsuda
(62) Divisional to Application Number	:NA	6)Makoto Ochiai
Filing Date	:NA	7)Motoo Sugiyama

(57) Abstract:

Power demand prediction information traffic congestion information accident information meteorological information and the like are collected from social infrastructures 12A 12B ... and an administrative server 13. Pieces of inhabitant information detected by various kinds of sensors (electricity meter gas meter and security sensor) in a house are collected from an inhabitant server 14. The pieces of information are stored in a database 115 in KVS and periodically updated. A calculator 114 calculates KPIs based on the information stored in the database 115 and indicators given in advance or newly given from the administration side and creates an operation plan concerning each social infrastructure based on the calculated KPIs. Finally the operation contents are sent to the social infrastructures 12A 12B ... and the inhabitant server 14 in accordance with the operation plan.

No. of Pages: 57 No. of Claims: 25

(21) Application No.11023/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/12/2012 (43) Publication Date: 29/01/2016

(54) Title of the invention: ELECTRICALLY DRIVEN VEHICLE

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:29/07/2011 :WO2012/029476 :NA :NA	(71)Name of Applicant: 1)HITACHI CONSTRUCTION MACHINERY CO. LTD. Address of Applicant:5-1 Koraku 2-chome Bunkyo-ku Tokyo 112-8563 Japan Japan (72)Name of Inventor: 1)KOBAYASHI Hiroyuki 2)KIKUCHI Akira 3)YASUDA Tomohiko 4)SATOU Takayuki 5)NAKAJIMA Kichio
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

An electrically driven vehicle equipped with electric motors (1, 4) for driving or braking drive wheels (3, 6) and an electric motor controller (33) for controlling the electric motors includes: wheel speed detectors (9 to 12) for detecting the wheel speed of the drive wheels and that of idler wheels (7, 8); computing means (22 to 28, 35 to 38) for computing the slip ratio of the drive wheels based on the wheel speed of the drive wheels and that of the idler wheels; and a determiner (29) for determining that the drive wheels are slipping if the slip ratio exceeds a slip ratio determination value. If the wheel speed of the idler wheels is lower than set speeds Va2, Vb2, then the determiner (29) changes the slip ratio determination value to a value having as the same sign as and a larger absolute value than, the values (40, 60)0 used when the wheel speed of the idler wheels is higher than the set speeds Va2, Vb2. This structure shortens acceleration time during acceleration traveling and reduces braking distance during deceleration traveling while inhibiting vibrations of the electrically driven vehicle.

No. of Pages: 56 No. of Claims: 14

(22) Date of filing of Application :19/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: PRODUCING AMMONIA USING ULTRAPURE HIGH PRESSURE HYDROGEN •

(62) Divisional to Application Number :NA Filing Date :NA		:26/05/2011 :WO/2011/150253 :NA :NA :NA	(71)Name of Applicant: 1)GTLPETROL LLC Address of Applicant:601 Lexington Avenue Suite 5100 New York New York 10022 United States of America U.S.A. (72)Name of Inventor: 1)ALLAM Rodney J.
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(57) Abstract:

A system and method for producing ammonia, comprising: a partial oxidation reactor (POX) or an autothermal reforming reactor (ATR) that exothermically reacts a first portion of a hydrocarbon feed stream; a gas -heated catalytic reformer (GHR) that endothermically reforms a second portion of the hydrocarbon feed stream with steam over a catalyst and combines the exothermically generated syngas product and the endothermically- reformed syngas product; a first heat exchanger that cools the combined syngas stream to produce steam in a heat recovery boiler; one or more shift conversion reactors that catalytically reacts the combined syngas stream; a second heat exchanger that cools the shifted stream; a scrubber that removes C02 from the shifted syngas stream; one or more pressure swing adsorption systems that generate a high pressure, substantially pure H2 stream from the C02 -depleted stream; and an ammonia reactor (20) that combines the high pressure, substantially pure H2 stream with (30) a high pressure, substantially pure N2 stream (40) to produce ammonia (50).

No. of Pages: 46 No. of Claims: 25

(22) Date of filing of Application :02/11/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: DEVICE AND METHOD FOR ANALYSIS OF COATING ADDITIVE PERFORMANCE

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:02/05/2014 :WO 2014/182551 :NA :NA :NA	(71)Name of Applicant: 1)HERCULES INCORPORATED Address of Applicant:500 Hercules Road Wilmington DE 19808 U.S.A. (72)Name of Inventor: 1)FILLIPO Bruce K. 2)TARIMALA Sowmitri
Filing Date	:NA	

(57) Abstract:

A product testing apparatus is described as having one or more imager configured to capture one or more images of a sample having a substrate coating applied to a substrate a processor in communication with the one or more imager and a non transitory processor readable medium in communication with the processor The non transitory processor readable medium stores processor executable instructions that when executed cause the processor to receive the one or more images from the one or more imager. The processor then processes the one or more image by filtering lighting variations in the pixels of the image to identify one or more objects of interest in the one or more image of the cured / uncured substrate coating. The processor quantifies one or more property of the one or more objects of interest. The processor executable instructions then cause the processor to generate one or more signal indicative of the quantification of the one or more objects of interest.

No. of Pages: 31 No. of Claims: 29

(21) Application No.10817/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention : PRESSURE SENSITIVE LABELS FOR USE IN A COLD TRANSFER METHOD AND PROCESS FOR MAKING \bullet

(51) International classification	:B62D	(71)Name of Applicant :
(31) Priority Document No	:12/787,459	1)AVERY DENNISON CORPORATION
(32) Priority Date	:26/05/2010	Address of Applicant :150 N. Orange Grove Blvd. Pasadena
(33) Name of priority country	:U.S.A.	CA 91103 U.S.A.
(86) International Application No	:PCT/US2011/037827	(72)Name of Inventor:
Filing Date	:25/05/2011	1)YI-HUNG CHIAO
(87) International Publication No	:WO/2011/150000	2)SHARIS KREKIAN
(61) Patent of Addition to Application	:NA	3)CHRISTINE UYEN DANG
Number	:NA :NA	4)YUAN YUAN ZHANG
Filing Date	.IVA	5)SRIRAM VENKATASANTHANAM
(62) Divisional to Application Number	:NA	6)KAI LI
Filing Date	:NA	7)RAMIN HEYDARPOUR

(57) Abstract:

The present invention relates to a pressure sensitive label for use in a cold transfer process that can be used for garment identification and labeling. The pressure sensitive label can be applied on textile surface or any other surfaces for which heat transfer is unfavorable or unavailable. The pressure sensitive label can remain on the substrate to which it is attached through repeated washing and drying cycles.

No. of Pages: 44 No. of Claims: 40

(21) Application No.10818/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 12/12/2012 (43) Publication Date: 29/01/2016

(54) Title of the invention: CAPACITIVE SENSOR SYSTEM •

(51) International classification	:H04N	(71)Name of Applicant:
(31) Priority Document No	:1050582-4	1)SCANIA CV AB
(32) Priority Date	:07/06/2010	Address of Applicant :S-151 87 Sdertlje Sweden
(33) Name of priority country	:Sweden	(72)Name of Inventor:
(86) International Application No	:PCT/SE2011/050695	1)PETER SUNDELL
Filing Date	:07/06/2011	2)FREDRICH CLAEZON
(87) International Publication No	:WO/2011/155891	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1111	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

Capacitive sensor system for a vehicle, comprising a chassis earth, a signal generator, a signal detector and a processing unit, the signal generator being adapted to generating a sensor signal with a frequency and an amplitude applied between the chassis earth and a virtual external earth. The system comprises an earth antenna adapted to serving as the virtual external earth, electrically connected to the signal generator and so disposed on the vehicle that it is electrically insulated from the chassis earth, has a predetermined size and is situated a predetermined distance from the ground surface. The signal detector is adapted to detecting and determining a measure of the voltage potential between the chassis earth and the external virtual earth, and to generating and conveying to the processing unit a measurement signal based thereon, and the processing unit is adapted to processing the measurement signal and to conveying the processed measurement signal to an alarm system which is adapted to generating one or more alarm signals on the basis of the processed measurement signal.

No. of Pages: 17 No. of Claims: 15

(21) Application No.10819/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: MAGNETIC NANOPARTICLES

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:26/05/2011 :WO/2011/150212 :NA :NA :NA	(71)Name of Applicant: 1)THE GENERAL HOSPITAL CORPORATION Address of Applicant:55 Fruit Street Boston Massachusetts 02114 U.S.A. (72)Name of Inventor: 1)RALPH WEISSLEDER 2)HAKHO LEE 3)TAE-JONG YOON
Filing Date	:NA	

(57) Abstract:

A magnetic nanoparticle includes a magnetic core and a superparamagnetic outer shell, in which the outer shell enhances magnetic properties of the nanoparticle. The enhanced magnetic properties of the magnetic nanoparticle allow for highly sensitive detection as well as diminished non-specific aggregation of nanoparticles.

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

(21) Application No.11051/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: PASSIVE SAFETY PORTAL DEVICE

(51) International classification	:B44C	(71)Name of Applicant:
(31) Priority Document No	:12/801,349	1)SMITHS MEDICAL ASD INC
(32) Priority Date	:04/06/2010	Address of Applicant:160 Weymouth Street Rockland MA
(33) Name of priority country	:U.S.A.	02370 U.S.A.
(86) International Application No	:PCT/US2011/000999	(72)Name of Inventor:
Filing Date	:02/06/2011	1)LORI SCHWARTZ
(87) International Publication No	:WO/2011/152871	2)RONAL GENE TRAVIS
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A portal access assembly includes an inserter that has a needle, a cap moveable along the length of the needle and an infuser having a cannula through which the needle extends. A safety mechanism inside the cap allows the needle to be moved relative to the cap so long as the shaft of the needle biases against an edge of one of the legs of the mechanism. After the cannula is properly positioned in the implanted port to establish a fluid path between the port and the infuser, the needle is removed by being pulled upwards until it no longer biases the one leg of the mechanism. At which time the safety mechanism fixedly captures the needle inside the cap to prevent the contaminated tip of the needle from being exposed to the environment. At the same time, the cap is detached from the infuser.

No. of Pages: 24 No. of Claims: 20

(22) Date of filing of Application :18/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention : DEVICE FOR DETECTING MOISTURE FOR USE WITH A DEVICE FOR MONITORING ACCESS TO A PATIENT

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:A61M1/36 :10 2010 024 654.9 :22/06/2010 :Germany :PCT/EP2011/003044 :21/06/2011 :WO 2011/160807 :NA :NA :NA	(71)Name of Applicant: 1)FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH Address of Applicant: Else Krner Strasse 1 61352 Bad Homburg v.d.H. Germany (72)Name of Inventor: 1)HEPPE John
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(57) Abstract:

The invention relates to a device for detecting moisture which is designed as a cover 30 to be placed on the skin of a patient, and to a device B for monitoring access to a vessel. The cover 30 comprises a flexible base material 31 to which an electrically conductive structure 32 composed of conductive tracks 33, 34 is applied to serve as a moisture sensor. The device 40 is characterised in that the electrically conductive structure 32 comprises two conductive tracks 33, 34, wherein one end of the first conductive track and one end of the second conductive track comprise a first pair of connection contacts 35A, 35G and the other end of the first conductive track and the other end of the second conductive track comprise a second pair 35C, 35E of connection contacts. The first pair of connection contacts is used to connect a device B for monitoring access to a vessel, whereas the second pair of connection contacts is used to connect a terminating resistor R. The device can be produced cost-effectively in large quantities. Using the separate terminating resistor there is no danger for the terminating resistor to be destroyed as a result of movements by the patient or for the resistance thereof to change.

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

:NA

:NA

:NA

(21) Application No.11005/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/12/2012 (43) Publication Date: 29/01/2016

(54) Title of the invention : SKIN PREPARATION COMPOSITION FOR EXTERNAL USE WITH EXCELLENT ANTIBACTERIAL AND ANTIFUNGAL EFFECTS

(51) International (71)Name of Applicant: :A61K31/19,A61K31/195,A61K31/66 classification 1)JUNG Chung Hvun (31) Priority Document No: NA Address of Applicant: 792 4 Songjeong dong Gwangsan gu Gwangju 506 010 Republic of Korea (32) Priority Date :NA (33) Name of priority 2)YANG Nam Woong :NA country (72)Name of Inventor: (86) International 1)JUNG Chung Hyun :PCT/KR2010/003201 Application No 2)YANG Nam Woong :20/05/2010 Filing Date (87) International :WO 2011/145765 Publication No (61) Patent of Addition to :NA **Application Number**

(57) Abstract:

Filing Date (62) Divisional to

Application Number

Filing Date

The present invention relates to a skin preparation composition for external use with an excellent antibacterial effect, and more specifically, to a skin preparation composition for external use with excellent antibacterial and antifungal effects against bacteria and mold, comprising a first composition containing citric acid as an active ingredient and a second composition containing trisodium phosphate as an active ingredient.

No. of Pages: 30 No. of Claims: 8

(21) Application No.11006/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/12/2012 (43) Publication Date: 29/01/2016

(54) Title of the invention : MAGNET COVER PLATE MODULE FOR GENERATORS ARRANGEMENT AND METHOD FOR MOUNTING AND REMOVING SAME

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number 	:P201000838 :28/06/2010 :Spain :PCT/ES2011/000192 :08/06/2011 :WO 2012/001184 :NA	(71)Name of Applicant: 1)GAMESA INNOVATION & TECHNOLOGY S.L. Address of Applicant: Avda. Ciudad de la Innovaci³n 9 11 E 31621 Sarriguren (Navarra) Spain (72)Name of Inventor: 1)RASMUSSEN Peter
	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The invention relates to a magnet cover plate module for positioning and protecting permanent magnets individually on a rotor yoke for wind turbines. Said magnet module comprises a magnet cover plate made from a soft magnetic material for individually covering the permanent magnets. In addition the invention includes a non magnetic plate which is permanently secured to the magnet cover plate and which comprises means for securing the magnet cover plate to an external surface of the rotor yoke said securing means being removable to allow the individual mounting and removal of said cover plate module. The invention further includes a magnetic expander configured to guide the magnetic flux and to prevent flux from escaping said expander being disposed on an internal surface of the yoke of the rotor. The invention also relates to methods associated with the mounting removal and repair of permanent magnets.

No. of Pages: 16 No. of Claims: 14

(22) Date of filing of Application :05/01/2013 (43) Publication Date: 29/01/2016

(54) Title of the invention: PROCESS FOR OBTAINING DINITROGEN MONOXIDE (N2O)

(51) International classification :C12P3/00,C01B21/22,C02F3/34 (71) Name of Applicant:

:11/05/2011

(31) Priority Document No :10 2010 031 075.1

(32) Priority Date :07/07/2010 (33) Name of priority country :Germany

(86) International Application :PCT/EP2011/057571

Filing Date

(87) International Publication No:WO 2012/004026

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)ROBERT BOSCH GMBH

Address of Applicant :Postfach 30 02 20 70442 Stuttgart

Germany

(72) Name of Inventor:

1)FINKE Thomas

2)MATTERN Andreas

3)LINGENFELSER Dominic

(57) Abstract:

The invention relates to a process for obtaining dinitrogen monoxide (NO) also referred to as nitrous oxide by microbiological or enzymatic processes starting from nitrogenous substances in particular from biomass and/or waste material and/or wastewater and/or other substances which comprise nitrogenous compounds in particular ammonium compounds. In this case the microorganisms bacteria Archaea eukaryotes fungi parasites phages cells cell fractions or membrane fractions and/or enzymes and/or a combination of these is/are selected or manipulated or using suitable measures subjected to partial or complete reversible and/or irreversible inhibition or the corresponding microbiological or enzymatic processes are controlled for example by suitable process conditions in such a way that dinitrogen monoxide (NO) is formed either by part or all of the nitrogenous compounds of the nitrogenous substances. The corresponding process conditions are furthermore chosen such that the population of the microorganisms bacteria Archaea eukaryotes fungi parasites phages cells cell fractions or membrane fractions and/or enzymes and/or a combination of these which is/are employed correspondingly and which contribute(s) to the production of nitrous oxide and/or the reaction sequences involved and/or the work up of the nitrogenous substances remains as constant as possible or if at all possible increases as the result of multiplication and the reactions and/or their subsequent reaction sequences and/or reactions or processes for the work up of nitrogenous substances which form the basis of the nitrous oxide production proceed as completely and as rapidly as possible. Dinitrogen monoxide generated in these reactions is separated off obtained collected if necessary purified and/or supplied to further processes in particular combustion processes for example processes for the combustion of sewage gas and biogas.

No. of Pages: 32 No. of Claims: 24

(22) Date of filing of Application :02/11/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: REMOVABLE BODY PADDING

(51) International classification	:A41D13/015,A41D13/05	(71)Name of Applicant :
(31) Priority Document No	:61/810839	1)SKYDEX TECHNOLOGIES INC.
(32) Priority Date	:11/04/2013	Address of Applicant :12508 E. Briarwood Avenue Suite 1 F
(33) Name of priority country	:U.S.A.	Centennial Colorado 80112 U.S.A.
(86) International Application No	:PCT/US2014/033692	(72)Name of Inventor :
Filing Date	:10/04/2014	1)SUGANO Eric W.
(87) International Publication No	:WO 2014/169147	2)METZER Collin
(61) Patent of Addition to Application	:NA	3)FOLEY Peter M.
Number	:NA	4)DIFELICE Eric T.
Filing Date	.NA	5)KANOUS Trevor
(62) Divisional to Application Number	:NA	6)HADDEN Bryant R.
Filing Date	:NA	7)HUTSON Richard B.

(57) Abstract:

The presently disclosed body padding (100 200) is removably attached to a user s garment (124 150 624) and configured to overlie an area of the user s body susceptible to injury (e.g. the user s knees or elbows). The body padding includes a padded insert (202) and a protective cap (204) which is selectively inserted into a corresponding body pad pocket (626) within the user s garment (624). When installed the protective cap occupies an entire window (632) into the body pad pocket and projects through the body pad window. Further one or more attachments (214) are arranged around projecting portions (206 212) of the protective cap which are selectively attached to corresponding attachments arranged around the pocket window.

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

(22) Date of filing of Application :02/11/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention : OIL IN WATER EMULSION COMPOSITION AND SURFACE TREATMENT METHOD USING SAME

:C08F290/00,C09D4/00 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)SHOWA DENKO K.K. :2013100713 (32) Priority Date :10/05/2013 Address of Applicant: 13 9 Shiba Daimon 1 chome Minato ku (33) Name of priority country Tokyo 1058518 Japan :Japan (86) International Application No :PCT/JP2014/061904 (72) Name of Inventor: Filing Date :28/04/2014 1)KUWAHARA Jun (87) International Publication No :WO 2014/181731 2)NAKAMURA Kimihiko (61) Patent of Addition to Application 3)MUKUNO Hidekazu :NA Number 4)NISHIMURA Tsunehiko :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract:

Provided are an emulsion composition which can be easily cured at room temperature and is capable of achieving high water resistance high acid resistance and high base resistance; and a surface treatment method which uses this emulsion composition. This emulsion composition is specifically an oil in water emulsion composition which contains 100 parts by mass of (A) a (meth)acrylate epoxy resin 1 200 parts by mass of (B) a polymerizable unsaturated monomer 0.1 10 parts by mass of (C) a curing accelerator 1 50 parts by mass of (D) a reactive surfactant and 10 200 parts by mass of (E) water. This surface treatment method is specifically a surface treatment method for a metal plastic concrete mortar wood or glass in which a coating liquid is prepared by adding (F) a curing agent into the above described oil in water emulsion composition and the coating liquid is applied to a metal surface and then cured at 0 50°C thereby forming a cured coating film on the metal surface.

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

(21) Application No.10202/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/11/2015

(43) Publication Date: 29/01/2016

(54) Title of the invention : PROCESS FOR THE PREPARATION OF ERYTHROCYTES LOADED WITH ONE OR MORE SUBSTANCES OF PHARMACEUTICAL INTEREST AND SO OBTAINED ERYTHROCYTES

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:A61K9/50,A61K35/18 :RM2013A000280 :10/05/2013 :Italy :PCT/IB2014/061338 :09/05/2014 :WO 2014/181309 :NA :NA :NA	(71)Name of Applicant: 1)ERYDEL S.P.A. Address of Applicant: Via Sasso 36 I 61029 Urbino PU Italy (72)Name of Inventor: 1)MAMBRINI Giovanni 2)BENATTI Luca 3)CAPOGROSSI Giovanni 4)MANDOLINI Marco
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(57) Abstract:

The present invention relates to a process for preparing erythrocytes loaded with one or more substance of pharmaceutical interest. The present invention is also directed to loaded erythrocytes thus obtained and pharmaceutical compositions comprising said population of loaded erythrocytes as well as therapeutic application thereof in particular in the treatment of Ataxia telangiectasia.

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

(21) Application No.197/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/01/2013 (43) Publication Date : 29/01/2016

(54) Title of the invention: ENCODING DEVICE, ENCODING METHOD, DECODING DEVICE, AND DECODING METHOD

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:H04N7/30,H04N7/32 :2010160952 :15/07/2010 :Japan :PCT/JP2011/065734 :08/07/2011 :WO 2012/008388 :NA :NA	(71)Name of Applicant: 1)SONY CORPORATION Address of Applicant: 1 7 1 Konan Minato ku Tokyo 1080075 Japan (72)Name of Inventor: 1)KONDO Kenji
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

Disclosed are an encoding device, encoding method, decoding device, and decoding method that reduce the amount of computation required for an orthogonal transformation process or inverse orthog onal transformation process. A DWT unit (91) performs a DWT, w c requires less computation than the KLT, on residual information. Then, KLT units (92-0 t o 92-8) perform a separable KLT on low-frequency components of the residual information, obtained fixim the DWT, using KLT bases corresponding t o intra prediction modes. The coefficients obtained from the KLT and the high-frequency components of the residual information, obtained fixim the DWT, are reversibly encoded. This tech nology can be applied, for example, t o an image encoding device.

No. of Pages: 151 No. of Claims: 14

(21) Application No.10892/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: AN APPARATUS TO DECONTAMINATE EQUIPMENT CONTAINING INTERNAL CHANNELS •

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:E05D :61/396,533 :28/05/2010 :U.S.A. :PCT/US2011/000944 :26/05/2011 :WO/2011/149539 :NA :NA	(71)Name of Applicant: 1)STERIS CORPORATION Address of Applicant:5960 Heisley Road Mentor Ohio 44060 U.S.A. (72)Name of Inventor: 1)GERALD MCDONNELL 2)ANDY WITSCHI
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(57) Abstract:

A self contained unit and system for determining whether medical equipment or devices such as endoscopes, minimally invasive surgical instruments (MIS), etc., are blocked, or substantially free flowing, or are disconnected or leaking before they are subjected to cleaning and/or a disinfecting process that is either sequential or simultaneous. The apparatus has a manifold that generally receives predetermined amounts of a gas and/or liquid for dispensing to one and preferably a plurality of channels. Advantageously, the test apparatus of the present invention can be utilized as a stand-alone unit that is able to monitor the noted medical equipment or devices with regard to the flow of a gas and/or liquid therethrough such as large or small lumens and such flow can also be automatically verified by a system independent of human intervention.

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

(21) Application No.10893/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention : SYNERGISTIC HERBICIDAL COMPOSITIONS CONTAINING PROPYZAMIDE AND AMINOPYRALID \bullet

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date 	:A61K :61/355,167 :16/06/2010 :U.S.A. :PCT/US2011/040673 :16/06/2011	(71)Name of Applicant: 1)DOW AGROSCIENCES LLC Address of Applicant:9330 Zionsville Road Indianapolis IN 46268 U.S.A. (72)Name of Inventor: 1)RICHARD MANN
 (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:WO/2011/159879 :NA :NA :NA :NA	2)XAVIER DE GAUJAC

(57) Abstract:

An herbicidal composition containing (a) propyzamide and (b) aminopyralid provides synergistic control of selected weeds in oilseed rape and in broadleaf, grass and perennial crops.

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

(22) Date of filing of Application :23/07/2014 (43) Publication Date : 29/01/2016

(54) Title of the invention : POROSITY FREE POWDER OF TUNGSTEN CARBIDE COMPOSITES AND PROCESS FOR PREPARATION THEREOF

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:NA	1)COUNCIL OF SCIENTIFIC & INDUSTRIAL
(32) Priority Date	:NA	RESEARCH
(33) Name of priority country	:NA	Address of Applicant :ANUSANDHAN BHAWAN, RAFI
(86) International Application No	:NA	MARG, NEW DELHI - 110 001, INDIA. Delhi India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)BIJAN BIHARI NAYAK
(61) Patent of Addition to Application Number	:NA	2)TAPAN DASH
Filing Date	:NA	3)BARADA KANTA MISHRA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

An arc plasma melting process has been developed to prepare porosity free powders of tungsten based composites with improved properties. While B4C added WC produced WC+WB, the TIC added WC produced WC+W2C+TiC. Melt-cast ingots produced from pellets were pulverized by impact hammering to produce powders of <200um grain size. Total pore volume of the composites powder was determined in the range 0.0013 - 0.0002 cm3/g BET surface area varied in the range 0.09 - 0.19 m2/g, microhardness of the grains found in the range 2440-3835 VHN (at 50 mN load) and Youngs modulus observed in the range 540-725 GPa respectively. The composites exhibited hardness superior to WC-W2C. Linear absorption coefficient of neutron for WC+W composites powder (in the form of pellet) was found to increase from 0.144 cm- (value of pure WC) to .0.207 cm- at a neutron energy of 14 MeV and neutron flux of 3.07 x lo6 n/cm2-sec.

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

(22) Date of filing of Application :23/07/2014 (43) Publication Date : 29/01/2016

(54) Title of the invention: AN PROCESS FOR THE PREPARATION OF GLYCOSYLATED TETRAHYDROCURCUMIN

(51) International classification	:A61F9/007	(71)Name of Applicant:
(31) Priority Document No	:NA	1)COUNCIL OF SCIENTIFIC & INDUSTRIAL
(32) Priority Date	:NA	RESEARCH
(33) Name of priority country	:NA	Address of Applicant : ANUSANDHAN BHAWAN, RAFI
(86) International Application No	:NA	MARG, NEW DELHI - 110 001, INDIA. Delhi India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)ADARI BHASKAR RAO
(61) Patent of Addition to Application Number	:NA	2)ERNALA PRASAD
Filing Date	:NA	3)SEELAM SIVA DEEPTHI
(62) Divisional to Application Number	:NA	4)SISTLA RAMAKRISHNA
Filing Date	:NA	5)YERRAMALLI SRIRAMA VENKAT RAO

(57) Abstract:

Natural products/ phytochemicals continue to serve as preventive and therapeutic agents for many pharmaceutical or cosmetic industries in finding new therapeutic agents against wide range of diseases. Tetrahydrocurcumin is a major colourless metabolite of curcuminoids isolated from Curcuma longa. Despite wider therapeutic applications of tetrahydrocurcumin, the low aqueous solubility and bioavailability of the compound in humans, impairs its use in biological and pharmacological activities. The object of the study is to synthesize tetrahydrocurcumin-di-P-glycoside and to evaluate its biological and pharmacological activity. The maximum plasma concentration of tetrahydrocurcumin-di-P-glycoside (2%) on subcutaneous absorption was 4.35 |ig/ml after two hours of the compound application, which was higher concentration than other curcuminoids studied. The present study demonstrated promising antioxidant, antimicrobial and efficient tyrosinase enzyme inhibition activities. The accelerated wound-healing process with non toxic, non- irritant and non staining properties render this multi-functional compound tetrahydrocurcumin-di-P-glucoside as a useful ingredient in achromatic food and cosmetic applications.

No. of Pages: 26 No. of Claims: 8

(21) Application No.137/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/01/2013 (43) Publication Date : 29/01/2016

(54) Title of the invention: STORAGE SYSTEM, MANAGEMENT METHOD OF THE STORAGE SYSTEM, AND PROGRAM

(51) International classification	:G06F3/06	(71)Name of Applicant:
(31) Priority Document No	:NA	1)HITACHI LTD.
(32) Priority Date	:NA	Address of Applicant :6-6 Marunouchi 1 chome Chiyoda ku
(33) Name of priority country	:NA	Tokyo 1008280 Japan
(86) International Application No	:PCT/JP2010/007583	(72)Name of Inventor:
Filing Date	:28/12/2010	1)SATOYAMA Ai
(87) International Publication No	:WO 2012/090247	2)EGUCHI Yoshiaki
(61) Patent of Addition to ApplicationNumberFiling Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

Provided is a technique for realizing allocation of pool areas to virtual volumes in accordance with the use environment of the user with proper cost while improving the capacity efficiency of media. For this purpose in the present invention a pool is constituted by selecting or limiting combinations of tiers of media in the pool to be used (range of tiers that can be used in each pool) for each virtual volume set in a storage system (see Fig. 5).

No. of Pages: 78 No. of Claims: 15

(22) Date of filing of Application :08/01/2013 (43) Publication Date : 29/01/2016

(54) Title of the invention : CLOSED-LOOP TRANSMISSION INTEGRATION WITH FORWARD AND/OR REVERSE ASSIST SYSTEM

(51) International classification :F16H61/02,F16H59/4
(31) Priority Document No :12/833172
(32) Priority Date :09/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No Filing Date :29/06/2011

(87) International Publication No :WO 2012/006140

(87) International Publication No
(61) Patent of Addition to Application
Number
Filing Date
(62) Divisional to Application Number
Filing Date
:NA
:NA
:NA

:F16H61/02,F16H59/44 (71)**Name of Applicant :**

1)ALLISON TRANSMISSION INC

Address of Applicant :One Allison Way Indianapolis IN

46222 U.S.A.

(72)Name of Inventor:

1)CONN Randall S.

2) RAINS Mark A.

(57) Abstract:

The present invention provides a method of reducing the output speed of a transmission in a vehicle whereby the transmission includes a speed sensor and a controller and the vehicle includes a proximity sensor. The method includes measuring the output speed with the speed sensor and comparing the measured output speed to an output speed threshold. The controller receives throttle percentage and compares the throttle percentage to a throttle threshold. The method further includes receiving an input signal from the proximity sensor and comparing the input signal to a signal threshold. The output speed of the transmission can be controlled based on the values of the measured output speed throttle percentage and input signal.

No. of Pages: 28 No. of Claims: 51

(21) Application No.2096/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :24/07/2014 (43) Publication Date : 29/01/2016

(54) Title of the invention : An Elastomer Cushion

(51) International classification	:B29C	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Prag Industries India Pvt. Ltd.
(32) Priority Date	:NA	Address of Applicant :E-7 Talkatora Industrial Estate,
(33) Name of priority country	:NA	Lucknow Uttar Pradesh India
(86) International Application No	:PCT//	(72)Name of Inventor:
Filing Date	:01/01/1900	1)Satish C Agarwal
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

An elastomer cushion in plurality on axially stacking up forming an elastomer compression spring comprising an elastomer cushion made of preformed polyurethane elastomer material shaped through the process of die casting or molding having stress free contours of the cushion providing long cyclic elongation usage and long fatigue life of the said cushions.

No. of Pages: 23 No. of Claims: 11

(21) Application No.2097/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :24/07/2014 (43) Publication Date : 29/01/2016

(54) Title of the invention: A STRIP FOR DETECTION OF MALTODEXTRIN IN MILK AND PROCESS FOR THE SAME

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No 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	(71)Name of Applicant: 1)INDIAN COUNCIL OF AGRICULTURAL RESEARCH (ICAR) Address of Applicant: KRISHI BHAVAN, 1, DR. RAJENDRA PRASAD ROAD, NEW DELHI-110001, INDIA. Delhi India (72)Name of Inventor: 1)RAJAN SHARMA 2)YUDHISHTHIR SINGH RAJPUT 3)BIMLESH MANN 4)PRERNA NARULA 5)RAHUL THAKUR 6)BRAJESH KUMAR
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(57) Abstract:

A simple and rapid method for the detection of maltodextrin in milk is developed. The test involves the paper based solid support over which enzymes and detecting reagents are immobilized which reacts with maltodextrin and gives a colour change. The test describes the qualitative analysis of said adulterant in milk. Further it is one step procedure, which involves putting a drop of milk over the strip surface and visualisation of colour change after 5 minutes. Strip can be used at house hold level and milk collection center to check the quality of milk.

No. of Pages: 11 No. of Claims: 7

(22) Date of filing of Application :24/07/2014 (43) Publication Date : 29/01/2016

(54) Title of the invention: PLUS (+) GLUCOMETER

(51) International classification	:G01N27/26	(71)Name of Applicant :
(31) Priority Document No	:NA	1)RAJIV KAPOOR
(32) Priority Date	:NA	Address of Applicant :TYPE-V, FLAT NO3, DELHI
(33) Name of priority country	:NA	TECHNOLOGICAL UNIVERSITY, SHAHBAD,
(86) International Application No	:NA	DAULATPUR, BAWANA ROAD, DELHI-110042. Delhi India
Filing Date	:NA	2)RAJESH BIROK
(87) International Publication No	: NA	3)SNEKHA
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)RAJIV KAPOOR
(62) Divisional to Application Number	:NA	2)RAJESH KAPOOR
Filing Date	:NA	3)SNEKHA

(57) Abstract:

A glucose meter is a medical device for determining the concentration of glucose in the blood. It gives information valuable to diabetes patients. This information is vital for maintaining the glucose level in their blood. This device incorporates an important feature that helps the diabetic patients having either disability of hearing loss or who are illiterate or are not aware of medical terms and conditions to know their glucose level. This device shows the result in two ways. Firstly, blood glucose level appears on the screen within 5 seconds after the completion of the process. Secondly, this glucose result appears through different colors of LED that indicates whether the glucose level is normal or high or low. The glucose meter stores the test results in the memory. This electronic device designed for monitoring the concentration level in the blood has excellent accuracy and low cost as compared to other glucose meters available in the market.

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

(22) Date of filing of Application :17/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: FOIL LAMINATE INTERMEDIATE AND METHOD OF MANUFACTURING •

(51) International classification	:E05D	(71)Name of Applicant:
(31) Priority Document No	:61/354,388	1)AVERY DENNISON CORPORATION
(32) Priority Date	:14/06/2010	Address of Applicant :150 N Orange Grove Blvd. Pasadena
(33) Name of priority country	:U.S.A.	CA 91103 U.S.A.
(86) International Application No	:PCT/US2011/040383	(72)Name of Inventor:
Filing Date	:14/06/2011	1)IAN J. FORSTER
(87) International Publication No	:WO/2011/159720	2)CHRISTIAN K. OELSNER
(61) Patent of Addition to Application	:NA	3)ROBERT REVELS
Number	:NA	4)BENJAMIN KINGSTON
Filing Date	.11/1	5)PETER COCKERELL
(62) Divisional to Application Number	:NA	6)MORIS AMON
Filing Date	:NA	

(57) Abstract:

The present invention relates to a method of manufacturing a metal foil laminate which may be used for example to produce an antenna for a radio frequency (RFID) tag, electronic circuit, photovoltaic module or the like. A web of material is provided to at least one cutting station in which a first pattern is generated in the web of material. A further cutting may occur to create additional modifications in order to provide additional features for the intended end use of the product. The cutting may be performed by a laser either alone or in combinations with other cutting technologies.

No. of Pages: 38 No. of Claims: 27

(22) Date of filing of Application :17/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: METHOD OF MANUFACTURING A RADIO FREQUENCEY IDENTIFICATION DEVICE •

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:H04N :61/354,393 :14/06/2010 :U.S.A. :PCT/US2011/040379 :14/06/2011 :WO/2011/159716 :NA :NA :NA	(71)Name of Applicant: 1)AVERY DENNISON CORPORATION Address of Applicant:150 N Orange Grove Blvd. Pasadena CA 91103 U.S.A. (72)Name of Inventor: 1)IAN J. FORSTER 2)CHRISTIAN K. OELSNER 3)ROBERT REVELS 4)BENJAMIN KINGSTON 5)PETER COCKERELL
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(57) Abstract:

The present invention relates to a method of manufacturing an antenna for a radio frequency (RFID) tag. A web of material is provided to at least one cutting station in which a first pattern is generated in the web of material. A further cutting may occur to create additional modifications in order to provide a microchip attachment location and to selectively tune an antenna for a particular end use application. The cutting may be performed by a laser, die cutting, stamping or combinations thereof.

No. of Pages: 36 No. of Claims: 25

(21) Application No.10945/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: FLUID DISTRIBUTOR UNIT •

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:14/06/2011 :WO/2011/159232 :NA :NA	(71)Name of Applicant: 1)GE HEALTHCARE BIO-SCIENCES AB Address of Applicant: Patent Department Bjrkgatan 30 S-751 84 Uppsala Sweden (72)Name of Inventor: 1)PETER BELLQVIST 2)KLAUS GEBAUER
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A fluid distributor for uniformly distributing flow of a feed onto a chromatography column in a cost-effective way defines a distribution channel of generally conical shape between a solid back plate and a packed bed in the column, wherein the fluid distributor comprises at least two circular and/or annular fluid-permeable porous disks essentially filling the volume of the distribution channel.

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

(21) Application No.10946/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: REINFORCED ABSORBABLE SYNTHETIC MATRIX FOR HEMOSTATIC APPLICATIONS •

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (36) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (63) International Publication Number Filing Date (64) Divisional to Application Number Filing Date (65) Divisional to Application Number Filing Date (66) NA Filing Date (70) SA61B (12/781,103 (12/781,	Address of Applicant :U.S. Route 22 Somerville NJ 08876 U.S.A. (72)Name of Inventor : 1)OLAJOMPO MOLOYE-OLABISI
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(57) Abstract:

The present invention is directed to a reinforced absorbable hemostat comprising at least one hemostatic agent in a single layer of nonwoven synthetic fabric having a mixture of compressed fiber staples of a polyglycolide/polylactide copolymer and a polydioxanone.

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

(22) Date of filing of Application :17/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: S100A4 ANTIBODIES AND THERAPEUTIC USES THEREOF

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to 	:C07K16/18,A61K39/395,A61P35/00 :10382170.8 :14/06/2010 :EPO :PCT/EP2011/059868 :14/06/2011 :WO 2011/157724	Address of Applicant :C/Innovaci ³ 2 E 08225 Terrasa Spain (72)Name of Inventor: 1)HERN • NDEZ M • GUEZ Jos Luis 2)ADAN PLANA Jaume 3)MART • NEZ ESCOL Josep Maria 4)MASA • LVAREZ Marc 5)MESSEGUER PEYPOCH Ramon 6)MITJANS PRAT Francesc 7)DAKHEL PLAZA Sheila 8)COLL MANZANO Antonio
(61) Patent of Addition toApplication NumberFiling Date(62) Divisional toApplication NumberFiling Date	:NA :NA :NA :NA	9)HERVAS VILLEGAS Rosa Ma 10)CALVIS CALPE Carme 11)PADILLA GARC • A Laura 12)ROQUE NAVARRO Lourdes Tatiana 13)BARBER FERRANDO Laura 14)RIVAS CA'AS Manuel 15)GOMEZ CASAJUS Luis Angel

(57) Abstract:

The disclosure relates to antibodies against S100A4 methods for the preparation of these antibodies pharmaceutical compositions comprising these antibodies and therapeutic and diagnostic uses thereof.

No. of Pages: 172 No. of Claims: 28

(22) Date of filing of Application :24/07/2014 (43) Publication Date : 29/01/2016

(54) Title of the invention: STRIP FOR MEASURING OXIDES OF NITROGEN

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	G01N 7/00 NA NA NA NA NA NA NA NA	(71)Name of Applicant: 1)DIRECTOR GENERAL, DEFENCE RESEARCH & DEVELOPMENT ORGANISATION Address of Applicant: Ministry of Defence, Govt. of India, Room No 348, B-Wing, DRDO Bhawan, Rajaji Marg, New Delhi 110001 Delhi India (72)Name of Inventor: 1)BHARGAVA, Kalapana 2)CHANDRAN, Karunakaran 3)THANGAMUTHU, Madasamy 4)MANICKAM, Pandiaraj 5)MURUGESAN, Balamurugan 6)SETHY, Niroj Kumar 7)SALHAN, Ashok 8)SINGH, Shashi Bala
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(57) Abstract:

The present disclosure provides a screen printed carbon electrode (SPCE) strip for measuring oxide of nitrogen in a sample comprising: (a) at least one working electrode, (b) at least one reference electrode, and (c) at least one counter electrode, wherein the at least one working electrode is modified zinc oxide-copper(II) chlorophyllin (CuCP) electrode; wherein the at least one working electrode is further coated with a coating material selected from the group consisting of nafion membrane, cellulose acetate membrane and combinations thereof. The present disclosure further relates to a process for preparing screen printed carbon electrode strip for simultaneous measuring or determining oxides of nitrogen.

No. of Pages: 44 No. of Claims: 14

(21) Application No.11018/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/12/2012 (43) Publication Date: 29/01/2016

(54) Title of the invention: METHOD OF MANUFACTURING CONDUCTIVE STRUCTURES •

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:14/06/2011 :WO/2011/159722 :NA :NA	(71)Name of Applicant: 1)AVERY DENNISON CORPORATION Address of Applicant: 150 N. Orange Grove Blvd. Pasadena CA 91103 U.S.A. (72)Name of Inventor: 1)IAN J. FORSTER 2)CHRISTIAN K. OELSNER 3)ROBERT REVELS 4)BENJAMIN KINGSTON 5)PETER COCKERELL
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The present invention relates to a method of manufacturing a web of a plurality of conductive structures which may be used for example to produce an antenna, electronic circuit, photovoltaic module or the like. The method involved simultaneously patterning at least one pattern in a conductive layer using a plurality of registration marks. The registration marks serve to align and guide the creation of the plurality of conductive structures. Optical brighteners may also be utilized within the adhesive layer and the registration marks of the present invention in order to detect the location where conductive structures are to be placed.

No. of Pages: 25 No. of Claims: 21

(21) Application No.11019/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention : METHOD AND APPARATUS FOR MONITORING AND RESTORING ELECTRICAL PROPERTIES OF POLYMERIZATION REACTOR WALL FILM \bullet

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date 	:C08F :61/349,600 :28/05/2010 :U.S.A. :PCT/US2011/037293 :20/05/2011 :WO/2011/149769 :NA :NA	(71)Name of Applicant: 1)UNIVATION TECHNOLOGIES LLC Address of Applicant:5555 San Felipe Suite 1950 Houston TX 77056 U.S.A. (72)Name of Inventor: 1)ERIC L. MARKEL 2)WILLIAM A. LAMBERTI 3)HARRY W. DECKMAN
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

Described herein are methods for monitoring and restoring electrical properties of polymerization reactor wall films. The method may comprise using a reactor wall monitor to monitor and determine an electrical property, such as the bed voltage or breakdown voltage, of the wall film. The method may further comprise adding continuity additive to the reactor and/or adjusting the feed rate of continuity additive being added to the reactor in response to the measured electrical property.

No. of Pages: 41 No. of Claims: 11

(22) Date of filing of Application: 18/12/2012 (43) Publication Date: 29/01/2016

(54) Title of the invention: PAINTING SYSTEM OPERATING IN RECIRCULATING AIR MODE •

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No 	:B31B :10 2010 033 711.0 :06/08/2010 :Germany :PCT/EP2011/003795 :28/07/2011 :WO/2012/016663	(71)Name of Applicant: 1)EISENMANN AG Address of Applicant: T ¹ / ₄ binger Str. 81 71032 Bblingen Germany (72)Name of Inventor: 1)MICHAEL SCHLIPF 2)DETLEF HEILAND
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•	:28/07/2011	1)MICHAEL SCHLIPF
(87) International Publication No	:WO/2012/016663	2)DETLEF HEILAND
(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 painting system operating in recirculating air mode, comprising in a known manner a spray booth (1) which has from the top downwards an air plenum (2), a painting zone (3) and a wash-out (4). The recirculating air flowing through the painting zone (3) picks up overspray particles which are largely removed again from the recirculating air in the wash-out (4) with the aid of a stream of water. The recirculating air passes through a conditioning unit (21) before said air is returned to the air plenum (2) of the painting booth (1). The conditioning unit (21) comprises at least one capacitor (29) and/or a droplet separator (30), with the aid of which a liquid can be recovered from the recirculated air. Said liquid still contains valuable chemicals, and according to the invention the liquid is fed to a supply source (24, 25) for flushing liquid. The flushing liquid is used for cleaning the application equipment in the painting zone (3), for example in the case of a colour change.

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

(22) Date of filing of Application :25/07/2014 (43) Publication Date : 29/01/2016

(54) Title of the invention : SANKET + : A HEALTH MONITORING PLATFORM AS STANDALONE DEVICE OR AS A PART OF SYSTEM ON CHIP.

(51) International alassification	· A 61D5/0422	(71)Name of Applicant:
(51) International classification		
(31) Priority Document No	:NA	1)NEHA RASTOGI
(32) Priority Date	:NA	Address of Applicant: B1202 12TH FLOOR GARDENIA
(33) Name of priority country	:NA	GRACE APARTMENTS, NEAR SAI MAHAL, PLOT
(86) International Application No	:NA	E16,SECTOR 61, NOIDA, UTTAR PRADESH-201301 Uttar
Filing Date	:NA	Pradesh India
(87) International Publication No	: NA	2)RAHUL RASTOGI
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)NEHA RASTOGI
(62) Divisional to Application Number	:NA	2)RAHUL RASTOGI
Filing Date	:NA	

(57) Abstract:

The present invention relates to a novel, portable multi- parametric physiological device(1), comprising of at least one sensor(4) measures information by touch and communicates it to the device; a LED to alert the user; microprocessor associated to the sensor for controlling the device; power source indicating charging; a screen(3) displaying recorded information of a user and a universal serial bus (USB) host port(2) to which least one USB device is plugged in for measuring different physiological parameters. The method for recording and monitoring physiological information comprises steps of, firstly capturing physiological data; secondly processing said physiological data; thirdly transmitting said processed data by means of a wireless network; and lastly storing said processed information in synchronization with cloud platform.

No. of Pages: 15 No. of Claims: 10

(22) Date of filing of Application :17/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: NEW PROCESS FOR THE PREPARATION OF ARYL SUBSTITUTED OLEFINIC AMINES •

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:C07C :61/346, 504 :20/05/2010 :U.S.A. :PCT/SE2011/050630 :19/05/2011 :WO/2011/146009 :NA :NA :NA	(71)Name of Applicant: 1)TARGACEPT INC. Address of Applicant:200 East First Street Suite 300 Winston-Salem North Carolina 2710-4165 U.S.A. 2)ASTRAZENECA AB (72)Name of Inventor: 1)GARY MAURICE DULL 2)JOHN GENUS 3)TOMMI RATILAINEN 4)PER OLOF RYBERG 5)JANNA HELSTROM 6)NIKLAS WAHLSTROM 7)THOMAS WANNMAN
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(57) Abstract:

An improved process for the preparation of aryl substituted olefinic amines such as (2S)-(4E)-N-methyl-5-[3-(5-methoxypyridin)yl]-4-penten-2-amine and (2S)-(4E)-N- methyl-5-[3-(5-methoxypyridin)yl]-4-penten-2-amine and new intermediates used in said process.

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

(21) Application No.146/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/01/2013 (43) Publication Date : 29/01/2016

(54) Title of the invention: ELECTROSTATIC DISCHARGE CIRCUIT

(51) International :H03K19/00,H03K19/003,H01L27/02

classification .H03K19/00,H03K19/003,H01L27/0

(31) Priority Document No :12/827017 (32) Priority Date :30/06/2010 (33) Name of priority

country :U.S.A.

(86) International :PCT/US2011/042362

Application No Filing Date :29/06/2011

(87) International

Publication No :WO 2012/003214

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)ADVANCED MICRO DEVICES INC.

Address of Applicant :One AMD Place P.O. Box 3453

Sunnyvale California 94088 U.S.A.

(72)Name of Inventor:

1)KOSONOCKY Stephen V. 2)ANDERSON Warren R.

(57) Abstract:

An integrated circuit (IC) is disclosed. The IC includes a first global voltage node and a second global voltage node. The IC further includes two or more power domains (21 22) each coupled to the first global voltage node. Each of the two or more power domains (21 22) includes a functional unit (24) and a local voltage node coupled to the functional unit (24). Each of the plurality of power domains (21 22) further includes a power gating transistor (25) coupled between the local voltage node and the second global voltage node and an ESD (electrostatic discharge) circuit (26) configured to detect an occurrence of an ESD event and further configured to cause activation of the transistor (25) responsive to detecting the ESD event.

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

(22) Date of filing of Application :07/01/2013

(43) Publication Date: 29/01/2016

(54) Title of the invention : METHOD, APPARATUS AND CORE NETWORK ENTITY FOR PROCESSING NETWORK CONGESTION

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:H04L12/56 :201010196092.7 :09/06/2010 :China :PCT/CN2011/072056 :22/03/2011 :WO 2011/153860 :NA :NA :NA	(71)Name of Applicant: 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)SONG Xiaoli
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(57) Abstract:

The present invention provides a method, an apparatus and a core network entity for processing network congestion, which enable: extracting the adjacent data packets with the number equal to a preset interval value fiOm the output port queues when detecting that the output port is in a congestion state, and obtaining the address information of the source terminals of the adjacent data packets; according to the address information of the source terminals, searching for the source terminals which send the most data packets; sending the congestion information to the source terminals which send the most data packets. The present invention enables the source terminals reducing the data transmission rate so as to remove the network congestion and increase the success rate for removing the network congestion by extracting the adjacent data packets with the number equal to the preset interval value: from the output port queues, obtaining the address information of the source terminals of the adjacent data packets, according to the address information of the source terminals, searching for the source terminals which send the most data packets, and sending the congestion information to the source terminals.

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

(21) Application No.205/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/01/2013 (43) Publication Date : 29/01/2016

(54) Title of the invention: LOW IRRITATING, CLEAR CLEANSING COMPOSITIONS WITH RELATIVELY LOW PH

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number 	:A61Q19/10,A61K8/81 :12/822329 :24/06/2010 :U.S.A. :PCT/US2011/041611 :23/06/2011 :WO 2011/163467 :NA :NA	(71)Name of Applicant: 1)JOHNSON & JOHNSON CONSUMER COMPANIES INC. Address of Applicant: Grandview Road Skillman NJ 08558 U.S.A. (72)Name of Inventor: 1)GUNN Euen Thomas Graham Ekman 2)WALTERS Russel M. 3)GANDOLFI Lisa R.
` '		1 '
(62) Divisional to Application Number Filing Date	:NA :NA	5)MACK Mary Catherine

(57) Abstract:

The methods and compositions of this invention relate to compositions having low irritation characteristics in combination with one or more additional characteristics for example relatively high clarity relatively high foaming and/or combinations thereof as well as methods of making and using such compositions. These compositions contain blends of amphoteric surfactants have low pH values and are useful in cleansing the skin.

No. of Pages: 84 No. of Claims: 4

(22) Date of filing of Application :25/07/2014 (43) Publication Date : 29/01/2016

(54) Title of the invention : A METHOD OF MANUFACTURING A SHUTTER ASSEMBLY AND THE SHUTTER ASSEMBLY MANUFACTURED THEREOF

(51) International classification	:E06B7/08	(71)Name of Applicant:
(31) Priority Document No	:NA	1)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
(86) International Application No	:PCT// /	India, Room No. 348, B-wing, DRDO Bhawan, Rajaji Marg, New
Filing Date	:01/01/1900	Delhi-110 105, India Delhi India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)SANGEETHA SAIKUMAR
Filing Date	:NA	2)AKULA RAMESH
(62) Divisional to Application Number	:NA	3)TANKASALA SRINIVASULU
Filing Date	:NA	

(57) Abstract:

The present disclosure relates to a method of manufacturing a shutter element (100) and a shutter element (100) manufactured by the above said method. The method comprises acts of forming a contoured section (27) on a first surface (28a) of a metallic block and making a plurality of depressions (25) on the contoured section (27). The method further comprises of creating a plurality of start-up through holes (38) on each of the plurality of depressions (25). The plurality of depressions (25) is configured with a first profile (30a) of a plurality of blades (30) on the first surface (28a) of the metallic block (35) by machining the plurality of start-up through holes (38), and configuring a second profile (30b) of the plurality of blades (30) on a second surface (28b) of the metallic block (35) by machining the plurality of start-up through holes (38). FIGURE 16

No. of Pages: 44 No. of Claims: 19

(21) Application No.10185/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/11/2015

(43) Publication Date: 29/01/2016

(54) Title of the invention: SURGICAL IMPLANT COMPRISING A LAYER HAVING OPENINGS

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:13/05/2014 :WO 2014/184190 :NA :NA :NA	(71)Name of Applicant: 1)JOHNSON & JOHNSON MEDICAL GMBH Address of Applicant:Robert Koch Strasse 1 22851 Norderstedt Germany (72)Name of Inventor: 1)PRIEWE Jrg
Filing Date	:NA :NA	

(57) Abstract:

The invention relates to a surgical implant for repair of a tissue or muscle wall defect. The implant has openings (4) that are located in the peripheral area of a first layer. Preferably the implant has one or more raised sections. The implant has a first layer (2) and a second layer (3).

No. of Pages: 43 No. of Claims: 22

(21) Application No.10186/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/11/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: BALLOON SURFACE COATING

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:PCT/EP2013/059191	1)CARDIONOVUM GMBH
(32) Priority Date	:02/05/2013	Address of Applicant : Am Bonner Bogen 2 53227 Bonn
(33) Name of priority country	:EPO	Germany
(86) International Application No	:PCT/EP2014/058959	(72)Name of Inventor:
Filing Date	:01/05/2014	1)ORLOWSKI Michael
(87) International Publication No	:WO 2014/177678	
(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 balloon catheter coated with an active agent and a shellac alkali salt preferably shellac ammonium salt. Moreover the present invention relates to a method for coating catheter balloons with a pharmacological active agent and an aqueous solution of shellac.

No. of Pages: 52 No. of Claims: 15

(21) Application No.10187/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/11/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: BRAKE DEVICE

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number	:B60T7/06 :2013103905 :16/05/2013 :Japan :PCT/JP2014/062421 :09/05/2014 :WO 2014/185340 :NA :NA	(71)Name of Applicant: 1)HITACHI AUTOMOTIVE SYSTEMS LTD. Address of Applicant: 2520 Takaba Hitachinaka shi Ibaraki 3128503 Japan (72)Name of Inventor: 1)SAITO Masayuki 2)TAKANO Yoshimichi 3)NAKAZAWA Chiharu
(61) Patent of Addition to Application	:NA	· ·

(57) Abstract:

Provided is a brake device that makes it possible to minimize energy consumption. The brake device is provided with a link type servo device (3) that connects a brake pedal (2) and a rod (4) and that amplifies the operating force (stepping force (F)) of the brake pedal (2) and transmits the result to the rod (4). The link type servo device (3) is set so that the axial direction stroke amount (rod stroke (S)) of the rod (4) decreases with respect to the stroke amount (pedal stroke (S)) of the brake pedal (2).

No. of Pages: 89 No. of Claims: 19

(21) Application No.11041/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application:19/12/2012 (43) Publication Date: 29/01/2016

(54) Title of the invention: SINTERED CUBIC BORON NITRIDE TOOL

(51) International :B23B27/18,B23B27/14,C04B35/583 classification

(31) Priority Document No :2010-243953 (32) Priority Date :29/10/2010

(33) Name of priority :Japan country

(86) International :PCT/JP2012/059077

Application No :03/04/2012 Filing Date

(87) International

:WO 2013/150610 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)SUMITOMO ELECTRIC HARDMETAL CORP.

Address of Applicant: 1 1 Koyakita 1 chome Itami shi Hyogo

6640016 Japan

(72) Name of Inventor: 1)KOBAYASHI Yasunori

2)KUKINO Satoru

3)SETOYAMA Makoto

(57) Abstract:

This sintered cubic boron nitride tool (1) in which a sintered cubic boron nitride (2) is joined to a tool material (4) via a joining layer (3) is characterized in that: the sintered cubic boron nitride (2) comprises 30 volume% to 95 volume% of cubic boron nitride particles and 5 volume% to 70 volume% of a bonding phase (6); and in at least one of the cut surfaces when the sintered cubic boron nitride tool (1) is cut at a plane that is perpendicular to the joining surface between the sintered cubic boron nitride (2) and the joining layer (3) where the surface area of the joining surface is maximal if the points which are at a distance that is one fourth of the length of the line segment connecting Point A to Point B in the figure are called Point C and Point D the area of the region which is bounded by the line segment connecting Point C to Point D the first cubic boron nitride particle (7) the second cubic boron nitride particle (8) and the bonding phase (6) divided by the length of the line segment connecting Point A to Point B is 0.14 µm to 0.6 µm.

No. of Pages: 40 No. of Claims: 6

(22) Date of filing of Application :28/07/2014 (43) Publication Date : 29/01/2016

(54) Title of the invention: CALL BACK TRIGGER FOR DROPPED CALLS

(51) International classification		(71)Name of Applicant:
(-)	3/51	1)ALCATEL LUCENT
(31) Priority Document No	:NA	Address of Applicant :148/152 route de la Reine 92100
(32) Priority Date	:NA	Boulogne-Billancourt France
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)RAJAPANDIYAN, Karthick
Filing Date	:NA	2)PANDURANGAN, Harikumar
(87) International Publication No	: NA	3)KOMARAMKANDTH, Sreenivasa
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

Systems and methods to generate a call back trigger in an event of a call drop in a Radio Access Network (RAN) are described. The systems may implement the method comprising identifying termination of a call on a first userTMs communication device (CD), where the call is between the first user and a second user. The method also comprises determining the termination of the call to be a call drop based on value of a call drop identification parameter, where the call drop identification parameter is indicative of signal strength received by the first userTMs CD. Method also includes monitoring signal strength received by the first userTMs CD, where the signal strength is indicative of capability of the first userTMs CD to connect to a nearest transceiver station; and generating a call back trigger based on the monitoring, where the signal strength is above a predefined minimum threshold.

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

(21) Application No.10203/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/11/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: ANTIBODIES TARGETING M CSF

(51) International classification	:C07K16/24	(71)Name of Applicant:
(31) Priority Document No	:13163542.7	1)MORPHOSYS AG
(32) Priority Date	:12/04/2013	Address of Applicant :Lena Christ Str. 48 82152
(33) Name of priority country	:EPO	Martinsried/Planegg Germany
(86) International Application No	:PCT/EP2014/057360	(72)Name of Inventor:
Filing Date	:11/04/2014	1)DODELLER Francis
(87) International Publication No	:WO 2014/167088	2)RAUCHENBERGER Robert
(61) Patent of Addition to ApplicationNumberFiling Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

This disclosure generally relates to antibodies or antibody fragments which specifically bind to M CSF. In particular antibodies and antibody fragments are disclosed which bind to M CSF and which inhibit binding of M CSF to the M CSF receptor with an IC50 of 10 pM or less. The invention also relates to nucleic acids vectors and host cells capable of expressing the antibodies or fragments thereof of the invention pharmaceutical compositions comprising the antibodies or fragments thereof and uses of said antibodies or fragments thereof and compositions for treatment of specific diseases.

No. of Pages: 51 No. of Claims: 15

(22) Date of filing of Application :02/11/2015

(43) Publication Date: 29/01/2016

(54) Title of the invention : PRODUCTION PROCESS FOR BIOMASS AND FENGYCIN METABOLITES OF BACILLUS SPECIES AND COMPOSITIONS THEREOF FOR BIOLOGICAL PEST CONTROL

		(71)Name of Applicant:
(51) International classification	:A01N63/02,C07K14/32	1)UNIVERSIDAD EAFIT
(31) Priority Document No	:61/819258	Address of Applicant :Carrera 49 No 7 Sur 50 Medelln
(32) Priority Date	:03/05/2013	COLUMBIA
(33) Name of priority country	:U.S.A.	2)ASOCIACIN DE BANANEROS DE COLOMBIA
(86) International Application No	:PCT/IB2014/061167	(AUGURA)
Filing Date	:02/05/2014	(72)Name of Inventor:
(87) International Publication No	:WO 2014/178032	1)CEBALLOS ROJAS Isabel Cristina
(61) Patent of Addition to Application	:NA	2)VILLEGAS ESCOBAR Valeska
Number	:NA	3)MOSQUERA LPEZ Sandra
Filing Date	.NA	4)MIRA CASTILLO John Jairo
(62) Divisional to Application Number	:NA	5)GUTIERREZ MONSALVE Jaime Andrs
Filing Date	:NA	6)ARROYAVE TORO Juan Jos
		7)POSADA URIBE Luisa Fernanda

(57) Abstract:

The present invention refers to a process for increasing the production of biomass and metabolites of microorganisms of Bacillus sp. species. Obtained metabolites are lipopeptide compounds of the fengycin surfactin and iturin families which exhibit antimicrobial activity. The invention further includes biocidal compositions comprising Bacillus subtilis EA CB0015 Bacillus amyloliquefaciens EA CB0959 and/or metabolites thereof either alone or together with other biocidal agents and the use of these compositions for the treatment of diseases caused by various phytopathogenic agents including Mycosphaerella fijiensis in a variety of crops.

No. of Pages: 54 No. of Claims: 28

(21) Application No.10205/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/11/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: FIBRINOGEN BASED TISSUE ADHESIVE PATCHES

:A61K38/36,A61F13/02 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)SEALANTIUM MEDICAL LTD :61/814355 (32) Priority Date :22/04/2013 Address of Applicant: 4 Hagavish Street P.O.Box 8027 42101 (33) Name of priority country :U.S.A. Netanya Israel (86) International Application No :PCT/IL2014/050347 (72)Name of Inventor: 1)LAUB Orgad Filing Date :10/04/2014 (87) International Publication No :WO 2014/174509 2) COHN Daniel 3)COHEN Eran (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract:

A novel fibrinogen based tissue adhesive patch is disclosed. The patch comprises a backing made from a non permeable biocompatible polymer film into which a fibrinogen based sealant is incorporated. In preferred embodiments of the invention the fibrinogen based sealant comprises fibrinogen thrombin and CaCl. The polymer backing serves to seal the tissue to which the patch is applied and the sealant acts only to bind the patch to the affected tissue. The patch does not include any mesh or woven component. Methods of production of the patch are also disclosed.

No. of Pages: 35 No. of Claims: 62

(22) Date of filing of Application :20/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: POLYPEPTIDE HAVING BETA GLUCOSIDASE ACTIVITY AND USES THEREOF

(51) International classification :C07K14/37,C12N9/24,C12N9/42 (71)Name of Applicant : 1)DSM IP ASSETS B.V. (31) Priority Document No :10167772.2 (32) Priority Date :29/06/2010 Address of Applicant :Het Overloon 1 NL 6411 TE Heerlen (33) Name of priority country :EPO Netherlands (86) International Application (72) Name of Inventor: :PCT/EP2011/060568 1)SCHOONEVELD BERGMANS Margot Elisabeth :23/06/2011 Filing Date Francoise (87) International Publication 2) HEIJNE Wilbert Herman Marie :WO 2012/000886 3)DAMVELD Robbertus Antonius (61) Patent of Addition to 4)DE JONG Ren Marcel :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract:

The invention relates to a polypeptide comprising the amino acid sequence set out in SEQ ID NO: 2 or an amino acid sequence encoded by the nucleotide sequence of SEQ ID NO: 1 or a variant polypeptide or variant polynucleotide thereof wherein the variant polypeptide has at least 70% sequence identity with the sequence set out in SEQ ID NO: 2 or the variant polynucleotide encodes a polypeptide that has at least 70% sequence identity with the sequence set out in SEQ ID NO: 2. The invention features the full length coding sequence of the novel gene as well as the amino acid sequence of the full length functional polypeptide and functional equivalents of the gene or the amino acid sequence. The invention also relates to methods for using the polypeptide in industrial processes. Also included in the invention are cells transformed with a polynucleotide according to the invention suitable for producing these proteins.

No. of Pages: 83 No. of Claims: 25

(22) Date of filing of Application :08/01/2013

(43) Publication Date: 29/01/2016

(54) Title of the invention : PEPERMAKING FABRICS WITH CONTAMINANT RESISTANT NANOPARTICLE COATING AND METHOD OF IN SITU APPLICATION

(51) International classification (71)Name of Applicant: :B32B 5/16 (31) Priority Document No :60/659799 1)ASTENJOHNSON, INC. Address of Applicant: 4399 CORPORATE ROAD, (32) Priority Date :09/03/2005 (33) Name of priority country CHARLESTON, SC 29405, USA U.S.A. :U.S.A. (86) International Application No :PCT/US2006/007795 (72)Name of Inventor : Filing Date :06/03/2006 1)BAKER, SAMUEL, M. (87) International Publication No :WO 2006/098917 2)BARRETT, REX (61) Patent of Addition to Application 3)CHASE, BUD, J. :NA Number 4)JANDA, BRUCE, W. :NA Filing Date 5)LANG, IAN, GERALD (62) Divisional to Application Number :6981/DELNP/2007 6) WIRTZ, DITMAR Filed on :10/09/2007 7) ANDERSON, LARRY

(57) Abstract:

A papermaking fabric is treated by applying a nanoparticle type coating to improve their resistance to contamination by foreign matter in the papermaking system. The coating is applied during fabric manufacture and cured during heat setting. Alternatively, the coating applied or renewed by utilizing an existing shower or locating a spray boom or other suitable coating application device in the dryer section to apply the coating to the fabric in a controlled, uniform manner. Prior to application of the coating, the fabric is first thoroughly cleaned such as by showering or spraying, and then dried. Following controlled application of the coating, any excess material is removed by a suitable means, such as by vacuum, and the remaining coating on the fabric is then cured, either by utilizing the ambient heat of the dryer section or by a portable bank of heaters. In this manner, the fabric does not have to be removed from the machine in order to apply or renew the contaminant resistant coating.

No. of Pages: 23 No. of Claims: 21

(22) Date of filing of Application :17/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: CONTAINER HAVING A TEARABLE PACKET THEREIN •

(51) International classification	:A47J	(71)Name of Applicant:
(31) Priority Document No	:61/355,600	1)DAVID DILIBERTO
(32) Priority Date	:17/06/2010	Address of Applicant :27 Merryhill Lane Pittsford NY
(33) Name of priority country	:U.S.A.	14534 U.S.A.
(86) Internatinal Application No	:PCT/US2011/040653	(72)Name of Inventor:
Filing Date	:16/06/2011	1)DAVID DILIBERTO
(87) International Publication No	:WO/2011/159873	2)KURT LUTZKE
(61) Patent of Addition to Application	:NA	3)KATHERINE ADELE BUKYS
Number	:NA	4)CHRISTOPHER ROY PINTO
Filing Date	.IVA	5)MITCHELL FRANCIS ROVITO
(62) Divisional to Application Number	:NA	6)THOMAS E. VAN EPPS
Filing Date	:NA	

(57) Abstract:

Disclosed is a multi-compartment container including a tearable inner packet, as well as methods for its use and manufacture. The invention may comprise a packet enclosed within a pouch, each constructed of a flexible wall such as a film (single and/or multi-layer), possibly having several panels joined along a perimeter to form a pouch-like container. When the contents of the container are to be consumed, the inner pouch is torn or ruptured, possibly along a weakened region or stress concentration region (collectively referred to as a stress riser), thereby permitting mixture between the materials in the packet and the surrounding outer pouch.

No. of Pages: 24 No. of Claims: 20

(21) Application No.144/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/01/2013 (43) Publication Date : 29/01/2016

(54) Title of the invention: MASSAGER

:A61H15/00,A61H39/04 (71)Name of Applicant : (51) International classification 1)HENNESSEY Daniel (31) Priority Document No :61/366258 (32) Priority Date Address of Applicant: P.O. Box 9220 Denver Colorado 80209 :21/07/2010 (33) Name of priority country :U.S.A. U.S.A. (86) International Application No :PCT/US2011/044893 (72) Name of Inventor: Filing Date :21/07/2011 1)HENNESSEY Daniel (87) International Publication No :WO 2012/012661 (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract:

Massagers are disclosed herein. An embodiment of a massager comprises a first portion and a second portion. The first portion comprises a first end and a second end wherein at least a section of the first portion between the first end and the second end is curved. A first coupling device is located on the first end and is configured to receive a massage element. A second coupling device is located proximate the second end. The second coupling device is configured to attach to a third coupling device on the second portion of the massager to join the first and second portions. The second portion comprises a substantially straight member extending between a first end and a second end wherein the third coupling device is located on the second end.

No. of Pages: 27 No. of Claims: 20

(21) Application No.2101/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :24/07/2014 (43) Publication Date : 29/01/2016

(54) Title of the invention: OCEANIC PEN-DRIVE

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date 	:NA :NA :NA :NA :NA	(71)Name of Applicant: 1)SRIVASTAVA PANKAJ Address of Applicant:25/21, INDIRA NAGAR, LUCKNOW, PIN-226016. Uttar Pradesh India (72)Name of Inventor: 1)SRIVASTAVA PANKAJ
 (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	: NA : NA :NA :NA :NA	I)SRIVASIAVA PAINKAJ
Filing Date	:NA	

(57) Abstract:

By providing path to the computer system of the internet service provider this device provides unlimited and dependable data storage and retrieval facility as compared to very limited and/or not-dependable service provided by e-mail accounts or the pen-drives that we use today. With this device ISP it self can give data saving/retrieval facility In their large computer system.to the user along with other internet services. Since through Oceanic pen-drive data/files is saved in the hard discs or other storage device provided by the ISP so practically unlimited capacity is experienced by the user.

No. of Pages: 6 No. of Claims: 5

(22) Date of filing of Application :24/07/2014 (43) Publication Date : 29/01/2016

(54) Title of the invention : SYSTEMS AND METHODS TO DETECT AND PROPAGATE UNI OPERATIONAL SPEED MISMATCH IN ETHERNET SERVICES

(51) International alocalisation	·C06E11/00	(71) Nome of Applicant
(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:NA	1)Ciena Corporation
(32) Priority Date	:NA	Address of Applicant :7035 Ridge Road Hanover, MD 21076,
(33) Name of priority country	:NA	USA U.S.A.
(86) International Application No	:PCT//	(72)Name of Inventor:
Filing Date	:01/01/1900	1)MISHRA, Rajneesh
(87) International Publication No	: NA	2)CHHABRA, Mukesh
(61) Patent of Addition to Application Number	:NA	3)BATRA, Mohit
Filing Date	:NA	4)KHERA, Vineet
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A method, a network element, and a network operating an Ethernet service include transmitting information related to an operational speed of a first connection to the second switch, wherein the first switch is connected to a first Customer Premises Equipment (CPE) device through the first connection and the second switch is connected to a second CPE device through a second connection; receiving information related to an operational speed of the second connection; and triggering a modification to the Ethernet service, responsive to a mismatch between the operational speed of the first connection and the operational speed of the second connection.

No. of Pages: 33 No. of Claims: 20

(21) Application No.224/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/01/2013 (43) Publication Date : 29/01/2016

(54) Title of the invention: DEVICE FOR OSTEOSYNTHESIS

(51) International classification	:A61B17/80	(71)Name of Applicant:
(31) Priority Document No(32) Priority Date	:61/366324 :21/07/2010	1)SYNTHES USA LLC Address of Applicant :1302 Wrights Lane East West Chester
(33) Name of priority country	:U.S.A.	Pennsylvania 19380 U.S.A.
(86) International Application No	:PCT/US2011/038752	2)SYNTHES GMBH
Filing Date	:01/06/2011	(72)Name of Inventor:
(87) International Publication No	:WO 2012/012029	1)HULLIGER Urs
(61) Patent of Addition to ApplicationNumberFiling Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A device for osteosynthesis includes a body having a proximal surface a distal surface configured and dimensioned to face a target portion of bone over which the body is to be mounted and a through opening extending through the body from the proximal surface to the distal surface along a central axis. The through hole includes a first protrusion extending from an inner surface thereof toward the central axis. The first protrusion is biased toward an unstressed state in which the first protrusion extends into the through opening to a first distance from the central axis. The first protrusion is movable toward the inner surface when subjected to a force directed outward from the central axis.

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

(21) Application No.10857/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention : AZEOTROPE-LIKE COMPOSITION OF HEXAFLUOROPROPANE HEXAFLUOROPROPENE AND HYDROGEN FLUORIDE ullet

(51) International classification	:C07C	(71)Name of Applicant :
(31) Priority Document No	:12/788,885	1)HONEYWELL INTERNATIONAL INC.
(32) Priority Date	:27/05/2010	Address of Applicant :Patent Services M/S AB/2B 101
(33) Name of priority country	:U.S.A.	Columbia Road P.O. Box 2245 Morristown New Jersey 07962-
(86) Internationa Application No	:PCT/US2011/036789	2245 U.S.A.
Filing Date	:17/05/2011	(72)Name of Inventor:
(87) International Publication No	:WO/2011/149711	1)RYAN HULSE
(61) Patent of Addition to Application	:NA	2)HANG T. PHAM
Number	:NA :NA	3)RAJIV RATNA SINGH
Filing Date	.INA	4)HSUEH SUNG TUNG
(62) Divisional to Application Number	:NA	5)DANIEL C. MERKEL
Filing Date	:NA	6)KONSTANTIN A. POKROVSKI

(57) Abstract:

The present invention relates to an azeotropic or azeotrope-like mixture consisting essentially of 1,1,1,2,3,3-hexafluoropropane, hexafluoropropene and hydrogen fluoride.

No. of Pages: 19 No. of Claims: 12

(21) Application No.10859/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: SIDE PROTECTION SYSTEM •

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:25/05/2011 :WO 2012/000591 :NA :NA	(71)Name of Applicant: 1)PERI GMBH Address of Applicant:Rudolf-Diesel-Strasse 89264 Weissenhorn Germany Germany (72)Name of Inventor: 1)BRAUN Hans-Emil 2)BRUNNER Werner
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The invention relates to a side protection system for construction sites having securing elements fastened to a plurality of carries. In this respect the carries respectively comprising a flexible material are arranged under tension between two respective vertically extending wall elements or support elements with board-shaped or grating-shaped securing elements being releasably connected to at least two carriers mutually spaced apart vertically. Fig. 11

No. of Pages: 46 No. of Claims: 11

(21) Application No.10861/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012 (43) Publication Date: 29/01/2016

(54) Title of the invention: PYRAZOLO [1 5 A] PYRIMIDINES AS ANTIVIRAL AGENTS

(51) International :C07D487/04,A61K31/519,A61K31/55 classification

(31) Priority Document No:61/358122

(32) Priority Date :24/06/2010 (33) Name of priority

:U.S.A. country

(86) International :PCT/US2011/041688 Application No

:23/06/2011 Filing Date

(87) International :WO 2011/163518 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA

4)HUI Hon Chung 5)MACKMAN Richard L.

6)PARRISH Jay P. 7)SANGI Michael 8)SAUNDERS Oliver L. 9)SIEGEL Dustin

3)EISENBERG Eugene J.

(71)Name of Applicant:

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1)BABAOGLU Kerim

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Address of Applicant: 333 Lakeside Drive Foster City

10)SPERANDIO David 11)YANG Hai

(57) Abstract:

Filing Date

The invention provides compounds of Formula I or Formula II: (I), (II) or a pharmaceutically acceptable salt or ester thereof as described herein. The compounds and compositions thereof are useful for treating Pneumovirinae virus infections. The compounds compositions and methods provided are particularly useful for the treatment of Human respiratory syncytial virus infections.

No. of Pages: 575 No. of Claims: 47

(22) Date of filing of Application :28/07/2014 (43) Publication Date : 29/01/2016

(54) Title of the invention: ESTABLISHING SECURE CALLS BETWEEN COMMUNICATION DEVICES

(51) International classification	:H04L9/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ALCATEL LUCENT
(32) Priority Date	:NA	Address of Applicant :148/152 route de la Reine 92100
(33) Name of priority country	:NA	Boulogne-Billancourt France
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)RAJAPANDIYAN, Karthick
(87) International Publication No	: NA	2)PANDURANGAN, Harikumar
(61) Patent of Addition to Application Number	:NA	3)SAMBASIVAN, Gopalarathnam
Filing Date	:NA	4)GOVINDARAJU, Sivarajan
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

Method(s) and system(s) for establishing a secure call between two communication devices is disclosed. The method may include receiving a request from a calling device (104-2) for establishing the secure call with a called device (104-1). The secure call is indicative of a call intended to be received by using an inbuilt earpiece (302) of the called device (104-1). The method may further include determining whether the called device (104-1) supports the secure call. The determining is based on at least one preference defined by a user of the called device (104-1). Further, the method may include, upon determining the capability to support the secure call by the called device (104-1), establishing the secure call between the calling device (104-2) and the called device (104-1).

No. of Pages: 41 No. of Claims: 20

(22) Date of filing of Application :09/01/2013 (43) Publication Date : 29/01/2016

(54) Title of the invention: DEVICE FOR SEPARATING PARTICLES OF DIFFERENT SYNTHETIC MATERIALS

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:RE2010A000061 :29/07/2010 :Italy :PCT/IB2011/001653 :14/07/2011 :WO 2012/014031 :NA :NA	(71)Name of Applicant: 1)CASSANI Stefano Address of Applicant:51 Via Casola Canina I 40026 Imola Italy (72)Name of Inventor: 1)CASSANI Stefano
Filing Date	:NA	

(57) Abstract:

An apparatus for separating at least two synthetic materials having different characteristics in a form of minced particles comprises a rotating drum (2) having a cylindrical shape (22) with a tapered truncoconical end (21) and an opposite flat bottom wall; means for introducing into the drum a mixture composed of at least two synthetic materials in particle form and a liquid; having an intermediate specific weight to the specific weights of the two products a radial discharge hole (5) located in the tapered end of the drum; an axial slithering discharge light (6) located in the bottom surface of the drum at a distance d from the drum axis a rotor (3) located inside the drum (2) provided with a first external helical blade (32) having the same external shape as the drum means for setting the rotor in rotation relatively to the drum wherein the first external helical blade (32) is located at a distance from the rotor axis greater than the distance between the drum axis and the axial discharge light (6).

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

(21) Application No.11012/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/12/2012 (43) Publication Date: 29/01/2016

(54) Title of the invention: BASE STATION CALIBRATION

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application 	:H04W88/08,H01Q3/26 :NA :NA :NA :PCT/CN2010/000788 :03/06/2010 :WO 2011/150533 :NA	(71)Name of Applicant: 1)NOKIA SIEMENS NETWORKS OY Address of Applicant: Karaportti 3 02610 Espoo Finland (72)Name of Inventor: 1)TENG Fan 2)WEI Chao 3)ZENG Gang 4)YIN Yufang
		, ,

(57) Abstract:

A method for calibrating a base station comprising a plurality of antennas is provided First correction information is received from a system module the correction information determined from first calibration of the base station Signals are received at a radio frequency module from at least one antenna of the base station Second correction information is determined on the basis of the received signals and the first correction information.

No. of Pages: 43 No. of Claims: 26

(22) Date of filing of Application :24/07/2014 (43) Publication Date : 29/01/2016

(54) Title of the invention : A NOVEL ARCHITECTURE OF READOUT FRONT END FOR CARDIAC, VISUAL AND NEURAL SIGNALS.

(51) International classification	:A61B5/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)RAJIV KAPOOR
(32) Priority Date	:NA	Address of Applicant :TYPE-V, FLAT NO3, DELHI
(33) Name of priority country	:NA	TECHNOLOGICAL UNIVERSITY, SHAHBAD,
(86) International Application No	:NA	DAULATPUR, BAWANA ROAD, DELHI-110042. Delhi India
Filing Date	:NA	2)MAHEEP DWIVEDI
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)RAJIV KAPOOR
Filing Date	:NA	2)MAHEEP DWIVEDI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The application is an analog readout front end for bio-potential acquisition systems, that is capable of processing electrocardiogram (ECG), elecfroratinogram (ERG) and all kind of neural signals that are electroencephalogram (EEG), elecfrocorticogram (EcoG) and electroneurogram (ENG). The output of this analog readout front end is ready to feed the subsequent stages that are analog-to-digital converters (ADCs) and digital signal processors (DSPs). The system consists of a pre-amplifier that amplifies the signals that are acquired from human body through electrodes. Along with preamplifier it has a high-pass and low-pass filter that forms a band-pass filter to reject the out of band frequencies and amplification purpose. It is a multifirmctional read out front end that has a variable bandwidth to accommodate above mentioned bio-signals. It consumes minimal power of 150 fxW so it can be easily incorporated in the portable bio-signal recording/processing systems. The small value of input referred noise of 34.46 insures amplification of in-band signals and rejection of out of band signals without degrading the signal quality. The system is current mode front end so it includes advantages co current mode circuits like low impedance and low voltage swing at internal nodes, it makes the operation simpler at such low supply voltage. The current mod topology enables us to operate the system under low power consumption with minimal added noise.

No. of Pages: 12 No. of Claims: 5

(22) Date of filing of Application :03/01/2013 (43) Publication Date : 29/01/2016

(54) Title of the invention: FINISHING DEVICE FOR FINISH-MACHINING OF A WORKPIECE

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date 	:12152052.2 :23/01/2012 :EUROPEAN UNION :NA :NA : NA : NA	(71)Name of Applicant: 1)Supfina Grieshaber GmbH & Co. KG Address of Applicant: Schmelzegrl/4n 7, Wolfach-77709, Germany Germany (72)Name of Inventor: 1)HILDEBRANDT, Oliver
• •		
Filing Date	:NA	

(57) Abstract:

The invention relates to a finishing device (10) for finish-machining of a workpiece (12), with a force-generating device (68) for generating a driving force (72), a force-transmitting arm (60) and a pressing device (20) for applying a working force (74) to a finishing tool (22), wherein a measuring device (76) for measuring a deformation of a segment (64, 66) of the force-transmitting arm (60) arranged in the force flux between the driving force (72) and working force (74) and/or for measuring a deformation force applied in the segment (64, 66) is provided. (Fig. 1)

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

(21) Application No.3359/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :01/11/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: Kick-Type Starting Device

(51) International classification	:F02N	(71)Name of Applicant :
(31) Priority Document No	:2011-	1)Suzuki Motor Corporation Address of Applicant :300 Takatsuka-Cho Minami-ku
(32) Priority Date		Hamamatsu-Shi Shizuoka-Ken 432-8611 Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)NISHIO Yuji
Filing Date	:NA	2)NISHII Takao
(87) International Publication No	: NA	3)AOYAMA Katsuoki
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

An engine includes a kick-type starting device. The kicktype starting device includes: a kick shaft rotated by operation of a kick pedal mounted to one end portion of the kick shaft; a first case member and a second case member for supporting the kick shaft the first and second case member constituting a transmission case; and an urging member wound around the kick shaft with one end portion being fixed to the kick shaft the urging member urging the kick shaft in a direction in which the kick pedal is restored to an initial position. Another end portion of the urging member includes a perpendicular portion that......

No. of Pages: 43 No. of Claims: 6

(21) Application No.10942/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: TRANSACTION PROCESSING AND REMOTE ACTIVATION

(51) International classification	:H04N	(71)Name of Applicant:
(31) Priority Document No	:1008368.1	1)M-KOPA IPR LLC
(32) Priority Date	:20/05/2010	Address of Applicant :1209 Orange Street Wilmington DE
(33) Name of priority country	:U.K.	19801 U.S.A.
(86) International Application No	:PCT/IB2011/000998	(72)Name of Inventor:
Filing Date	:10/05/2011	1)MOORE Jesse Keith Barton
(87) International Publication No	:WO/2011/144979	2)HUGHES Nicholas
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

Embodiment of the invention extend to a device (which may be considered an asset which is purchased or which provides a service which may be purchased) which can be controlled through the use of a mobile communications device such as a cellular phone. The cellular phone is connected to a transaction processing system which allows the user to pay for the use of the device. The transaction processing system communicates with the device to allow usage of the device only if the user has successfully paid for such use. A further embodiment of the invention relates to collecting usage information of the device and collating this information at a location remote from the device.

No. of Pages: 29 No. of Claims: 60

(22) Date of filing of Application :25/07/2014 (43) Publication Date : 29/01/2016

(54) Title of the invention : A PROCESS FOR THE PREPARATION OF GRAPHENE OXIDE AND FUNCTIONALIZED GRAPHENE OXIDE FROM AESCHYNOMENE ASPERA PLANT

(51) International classification	:C01B	(71)Name of Applicant:
(31) Priority Document No	:NA	1)COUNCIL OF SCIENTIFIC & INDUSTRIAL
(32) Priority Date	:NA	RESEARCH
(33) Name of priority country	:NA	Address of Applicant :ANUSANDHAN BHAWAN, RAFI
(86) International Application No	:NA	MARG, NEW DELHI - 110 001, INDIA. Delhi India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)RANJAN KUMAR SAHU
(61) Patent of Addition to Application Number	:NA	2)YASHABANTA NARAYAN SINGHBABU
Filing Date	:NA	3)ASHIT KUMAR PRAMANICK
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present invention relates to a process for the preparation of graphene oxide and functionalized graphene oxide from natural source by heating. In particular, the present invention relates to a process capable of large scale production of graphene oxide and functionalized graphene oxide from a waste and cheaply available natural source, Aeschynomene aspera plant by heating the said plant in an argon atmosphere at pressure in the range of 100 to 500 seem, temperature ranging between 700 to 2000 degree C for a time period of 10 to 300 minutes.

No. of Pages: 22 No. of Claims: 5

(22) Date of filing of Application :25/07/2014 (43) Publication Date : 29/01/2016

(54) Title of the invention: PROCESS FOR ISOLATION OF DITERPENE FROM POLYALTHIA LONGIFOLIA

(51) International classification	:C07C7/10	(71)Name of Applicant:
(31) Priority Document No	:NA	1)COUNCIL OF SCIENTIFIC & INDUSTRIAL
(32) Priority Date	:NA	RESEARCH
(33) Name of priority country	:NA	Address of Applicant : ANUSANDHAN BHAWAN, RAFI
(86) International Application No	:NA	MARG, NEW DELHI - 110 001, INDIA. Delhi India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)ASISH KUMAR BHATTACHARYA
(61) Patent of Addition to Application Number	:NA	2)HEMENDER RAMI CHAND
Filing Date	:NA	3)MUKUND VINAYAK DESHPANDE
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The patent discloses a process for the isolation of the bioactive compound using fully automated flash chromatography system equipped with UV-VIs detectors. The advantages of our developed process are the high yield of isolation of the titled compound and less time consuming as well as cumbersome process as compared to the conventional chromatography techniques (CC and PTLC).

No. of Pages: 26 No. of Claims: 6

(22) Date of filing of Application :15/10/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: ROTOR SYSTEM ANTI-ROTATION WEAR PROTECTOR

(51) International classification (31) Priority Document No	:B64C 27/605 :13/286,836	11
(32) Priority Date (33) Name of priority country	:U.S.A.	TEXAS-76101, UNITED STATES. U.S.A. (72)Name of Inventor:
(86) International Application No	:NA	1)DAY, CLIFTON, B.
Filing Date (87) International Publication No	:NA : NA	2)MODRZEJEWSKI, BRAIN, S.M. 3)STARK, TIM
(61) Patent of Addition to Application Number	:NA	4)SAIYED, FARID
Filing Date	:NA	5)SPIVEY, DANNY
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A rotating control system includes a member having at least one clevis defined by a pair of clevis arms disposed in a clevis plane, the at least one clevis having an axis of symmetry disposed in the clevis plane midway between the pair of clevis arms, a shaft member pivotally coupled between the pair of clevis arms, the shaft member having a shaft axis, the shaft axis disposed axially along the shaft member, and an anti-rotation device for limiting a rotation of the shaft member about the shaft axis, the anti-rotation device having a plurality of flanges configured to couple to the clevis arms of the member, | the flanges extending from a surface of a base member, the anti-rotation device having at I least one restraining member that protrudes toward the shaft member for limiting the axial rotation of the shaft member.

No. of Pages: 40 No. of Claims: 20

(22) Date of filing of Application :02/01/2013 (43) Publication Date : 29/01/2016

(54) Title of the invention: IMMUNO-BASED BOTULINUM TOXIN SEROTYPE A ACTIVITY ASSATS

(51) International classification	:C07K 16/12	(71)Name of Applicant:
(31) Priority Document No	:61/036723	1)ALLERGAN INC.
(32) Priority Date	:14/03/2008	Address of Applicant :2525 DUPONT DRIVE, T2-7H,
(33) Name of priority country	:U.S.A.	IRVINE, CA 92612, USA U.S.A.
(86) International Application No	:PCT/US09/037046	(72)Name of Inventor:
Filing Date	:13/03/2009	1)ESTER FERNANDEZ-SALAS
(87) International Publication No	:WO 2009/114748	2)JOANNE WANG
(61) Patent of Addition to Application	:NA	3)PATTON E. GARAY
Number	:NA	4)LINA S. WONG
Filing Date	:NA	5)D. DIANNE HODGES
(62) Divisional to Application Number	:6896/DELNP/2010	6)KEI ROGER AOKI
Filed on	:30/09/2010	

(57) Abstract:

The present specification discloses SNAP-25 compositions, methods of making α -SNAP-25 antibodies that bind an epitope comprising a carboxyl-terminus at the P1 residue from the BoNT/A cleavage site scissile bond from a SNAP-25 cleavage product, α -SNAP-25 antibodies that bind an epitope comprising a carboxyl-terminus at the P1 residue from the BoNT/A cleavage site scissile bond from a SNAP-25 cleavage product, methods of detecting BoNT/A activity, and methods of detecting neutralizing α -BoNT/A antibodies.

No. of Pages: 119 No. of Claims: 11

(21) Application No.3134/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :22/10/2013 (43) Publication Date : 29/01/2016

(54) Title of the invention: WHEEL ALIGNMENT

	(71)Name of Applicant:
	1)ARORA, Mannu
:G06K	Address of Applicant :Precision Testing Machines Pvt Ltd S-
:NA	12 okhla phase 2 New Delhi 110020 Daman & Diu India
:NA	2)ARORA, Pooja
:NA	(72)Name of Inventor:
:NA	1)SMITH, Melvyn
:NA	2)SMITH, Lyndon
: NA	3)ATKINSON, Gary
:NA	4)FAROOQ, Abdul
:NA	5)SUN, Jiuai
:NA	6)SHAH, Maurya
:NA	7)ARORA, Mannu
	8)ARORA, Indivar
	9)ARORA, Naveen
	:NA :NA :NA :NA :NA :NA :NA :NA

(57) Abstract:

A method for aligning wheels of a vehicle is described herein. In an implementation, a plurality of images of a wheel of the vehicle is captured. The method further comprises identifying, automatically, a rim coupled to the wheel based on the plurality of images. Further, the wheel is aligned based on the identified rim. To be published with Fig. 26

No. of Pages: 77 No. of Claims: 41

(21) Application No.5714/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/06/2015 (43) Publication Date: 29/01/2016

(54) Title of the invention: METHOD FOR MANUFACTURING BRIQUETTE

(51) International classification: C10L5/04, C10B53/00, C10B31/02 (71) Name of Applicant:

:1020120151312 (31) Priority Document No (32) Priority Date :21/12/2012

(33) Name of priority country :Republic of Korea (86) International Application

:PCT/KR2013/011895 No :19/12/2013

Filing Date (87) International Publication :WO 2014/098502

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)POSCO

Address of Applicant: (Goedong dong) 6261 Donghaean ro Nam gu Pohang si Gyeongsangbuk do 790 300 Republic of Korea

(72)Name of Inventor:

1)HEO Nam Hwan 2)CHOI Jae Hoon 3)KIM Jae Dong

(57) Abstract:

Provided is a method for manufacturing briquette which is charged and quickly heated in a dome unit of a melting gasifier in a molten iron manufacturing apparatus including the melting gasifier in which reduced iron is charged, and a reducing furnace which is connected to the melting gasifier and which provides the reduced iron. The method for manufacturing briquette comprises the steps of: i) providing powdered coal; ii) firing a carbon source; iii) providing a mixture of the powdered coal and the fired carbon source; and iv) molding the mixture so as to provide a briquette. In the step of providing the mixture, the amount of the carbon source among the mixture is larger than 0 and 30wt% or less of the mixture.

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

(21) Application No.5715/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/06/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: AUDIO FRAME LOSS CONCEALMENT

(51) International classification	:G10L19/005	(71)Name of Applicant:
(31) Priority Document No	:61/760814	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
(32) Priority Date	:05/02/2013	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/SE2014/050067	1)BRUHN Stefan
Filing Date	:22/01/2014	
(87) International Publication No	:WO 2014/123470	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

Concealing a lost audio frame of a received audio signal by performing a sinusoidal analysis (81) of a part of a previously received or reconstructed audio signal, wherein the sinusoidal analysis involves identifying frequencies of sinusoidal components of the audio signal , applying a sinusoidal model on a segment of the previously received or reconstructed audio signal wherein said segment is used as a prototype frame in order to create a substitution frame for a lost audio frame, and creating the substitution frame (83) for the lost audio frame by time -evolving sinusoidal components of the prototype frame, up to the time instance of the lost audio frame , in response to the corresponding identified frequencies.

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

(21) Application No.5716/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/06/2015

(43) Publication Date: 29/01/2016

(54) Title of the invention : MULTI- DOMAIN ROUTE COMPUTATION METHOD AND DEVICE, PATH COMPUTATION ELEMENT , AND ROUTING NETWORK

(51) International classification :H04L12/715,H04L (31) Priority Document No :201210505161.7 (32) Priority Date :30/11/2012

(33) Name of priority country :China

(86) International Application No :PCT/CN2013/079628

Filing Date :18/07/2013 (87) International Publication No :WO 2013/167051

(61) Patent of Addition to Application
Number
:NA

Filing Date
(62) Divisional to Application Number :NA
Filing Date :NA

:H04L12/715,H04L12/733 (71)Name of Applicant : :201210505161.7 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)LU Gang

2)WANG Dajiang

(57) Abstract:

Disclosed is a multi- domain route computation method, comprising: when it is determined that two or more domains deployed with a path computation element (PCE) exist in a network, computing a routing path between a first domain PCE and a tail domain PCE in the two or more domains deployed with a PCE by means of extended backward recursive path computation (BRPC), and computing a routing path in a domain except the two or more domains deployed with a PCE by using an RC. Also disclosed are a multi-domain route computation device, a PCE, and a routing network. The present invention can improve the path computation optimality to a great extent, and the path computation efficiency is pretty high.

No. of Pages: 33 No. of Claims: 17

(21) Application No.5717/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/06/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: METHODS AND DEVICES FOR UTILIZING A THERMALLY -EFFICIENT BUILDING BLOCK

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date 	:13/752411 :29/01/2013 :U.S.A. :PCT/IL2014/050065 :19/01/2014 :WO 2014/118770 :NA :NA	(71)Name of Applicant: 1)ZOHAR Ron Address of Applicant: Mr. Ron Zohar 16 Hankin Street 76354 Rehovot Israel (72)Name of Inventor: 1)ZOHAR Ron
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract:

The invention discloses devices and methods utilizing a thermally efficient building block. The block generally has three walls separated by two open spaces. One open space, the closest to the outside of the building, generally serves to remove unwanted heat entering through the outer wall of the block; the second open space is adapted to accept infrastructure elements such as wires, cables, and pipes. The block prevents unwanted heat from entering usable spaces while also protecting heat generated within a structure.

No. of Pages: 42 No. of Claims: 21

(22) Date of filing of Application :06/11/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: UNDERFLOOR TRANSFORMER •

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No 	:H02J :11008877.0 :08/1/2011 :EPO :NA :NA : NA	(71)Name of Applicant: 1)ABB TECHNOLOGY AG Address of Applicant: Affolternstrasse 44 CH-8050 Zurich Switzerland (72)Name of Inventor: 1)LUCKEY MICHAEL 2)BOCKHOLT MARCOS
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)WEBER BENJAMIN
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The invention relates to an underfloor transformer (10, 50) comprising a layered transformer core (12, 42, 52, 92, 112, 114) and at least one electrical winding (14, 16, 54, 56, 58, 60, 62, 64) through which said transformer core (12, 42, 52, 92, 112, 114) extends along a limb axis (76, 78, 80) In each of the two axial end regions (82, 84) of the transformer core (12, 42, 52, 92, 112, 114), a securing device (18, 20, 66, 68, 70, 72, 74, 94, 116), which interacts with said transformer core (12, 42, 52, 92, 112, 114) mechanically is provided, which securing devices (18, 20, 66, 68, 70, 72, 74, 94, 116) are configured for such tensile force stressing. The underfloor transformer (10, 50) can be carried suspended therefrom (18, 20, 66, 68, 70, 72, 74, 94, 116) given an approximately horizontally oriented limb axis (76, 78, 80).

No. of Pages: 22 No. of Claims: 13

(21) Application No.470/DEL/2015 A

(19) INDIA

(22) Date of filing of Application: 19/02/2015 (43) Publication Date: 29/01/2016

(54) Title of the invention: FABRIC DYEING MACHINE WITH ROLLER CONVEYOR

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:D06B1/02, :201410349315.7 :22/07/2014 :China :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)CHANG, CHI-LUNG Address of Applicant:5F., 89, MINSHENG RD., TAOYUAN CITY, TAIWAN Taiwan (72)Name of Inventor: 1)CHANG, CHI-LUNG
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(57) Abstract:

A fabric dyeing machine with roller conveyor includes a machine body in which a roller conveyor that is composed of a plurality of arranged conveyance rollers. When fabric passes through a dyeing tube that is arranged inside the machine body to fall onto the roller conveyor, the roller conveyor conveys the fabric forward to pass through a fabric guide roller and , a nozzle arranged in the machine body to circulate back into the dyeing tube for dyeing so as to reduce water consumption and to improve dyeing performance. Figure 1

No. of Pages: 11 No. of Claims: 1

(21) Application No.5723/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: GLASS MANUFACTURING METHOD USING ELECTRIC MELTING

:C03C13/06,C03B5/027 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)SAINT- GOBAIN ISOVER :1262642 (32) Priority Date :21/12/2012 Address of Applicant: 18 avenue dAlsace F 92400 Courbevoie (33) Name of priority country :France France (86) International Application No :PCT/FR2013/053223 (72) Name of Inventor: Filing Date :20/12/2013 1)CLATOT Richard (87) International Publication No :WO 2014/096737 2)MAUGENDRE Stphane (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract:

The invention relates to a method for manufacturing a glass whereof the chemical composition comprises at least 3 wt% of iron oxide, expressed in the form Fe2O3, comprising an electric melting step using electrodes submerged in the molten glass of a mixture of vitrifiable raw materials containing at least one manganese carrier, wherein the manganese is in an oxidation state greater than +2.

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

(21) Application No.5724/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date: 29/01/2016

(54) Title of the invention: SAMPLING POINT

(51) International

:G08B17/10,G05D7/00,G05D23/00

classification

:2013900547

(31) Priority Document No (32) Priority Date

:19/02/2013

(33) Name of priority country: Australia

(86) International Application

:PCT/AU2013/001121

:30/09/2013

:NA

Filing Date

(87) International Publication :WO 2014/127397

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date

(62) Divisional to Application :NA

Number Filing Date (71)Name of Applicant:

1)XTRALIS TECHNOLOGIES LTD

Address of Applicant :2nd Floor One Montague Place Nassau

N 3933 Bahamas

(72) Name of Inventor:

1)MEIKLE Peter John

2)LESLIE Paul Basil

3)VYTHOULKAS John

4)KORSA Matthew Stephen

5)AL FARRA Tawfeeq Gehad

6)KNOX Ronald

(57) Abstract:

An air sampling system (10, 110) for a low-temperature space (12) is disclosed. The air sampling system (10, 110) includes: an air sampling pipe (16) for passing sampling air to an air sampling device (2); and a sampling conduit (20, 120) extending from the lowtemperature space (12) to outside the low-temperature space (12). The sampling conduit (20, 120) is connected to the sampling pipe (16), wherein the sampling conduit (20, 120) is selectively accessible from outside the low-temperature space (12) for removal of ice build-up within the sampling conduit (20, 120). Also disclosed is a kit for an air sampling system. Also disclosed is a method, computing system, air-sampling device and air monitoring system that evaluates an air sampling network.

No. of Pages: 41 No. of Claims: 52

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: METHOD AND DEVICE FOR CONTROLLING A ROTATIONAL SPEED OF A DRIVE

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:10 2013 200 578.4 :16/01/2013 :Germany :PCT/EP2013/066474 :06/08/2013 :WO 2014/111174 :NA :NA	(71)Name of Applicant: 1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant: Wittelsbacherplatz 2 80333 M ¹ / ₄ nchen Germany (72)Name of Inventor: 1)KUBE Andreas
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The invention relates to a method and a corresponding device for controlling a rotational speed of a drive driving a shaft (20), the rotational speed, being controlled by means of a control device which is supplied with a control deviation calculated by means of a desired value and an actual value for the rotational speed the actual value for the rotational speed of the shaft (20) being detected on the shaft (20) by means of a first sensor (22) and at least one further sensor (24) and the actual value being calculated by means of a weighted overall view of the individual measured values for the rotational speed obtained from the first and the at least one further sensor (22, 24).

No. of Pages: 26 No. of Claims: 6

(22) Date of filing of Application :02/01/2013 (43) Publication Date : 29/01/2016

(54) Title of the invention: RIDDEN VEHICLE WITH HYBRID POWER SYSTEM

(57) Abstract:

A motorcycle having at least one seat and at least two wheels, an internal combustion engine, a generator, and a rechargeable batkry configured to be recharged by the internal combustion engine or generator, an electric motor electrically connected to the rechargeable battery and configured to drive at least one of a plurality of wheels of the vehicle, and an electronic controller configured to start the internal combustion engine based upon a monitored condition of the rechargeable battery.

No. of Pages: 24 No. of Claims: 20

(21) Application No.2095/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :24/07/2014 (43) Publication Date : 29/01/2016

(54) Title of the invention: NEW HAIR OIL COMPOSITION

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date 	:A61Q5/00 :NA :NA :NA :PCT/// :01/01/1900 : NA :NA	(71)Name of Applicant: 1)Naved Ali Ansari Address of Applicant: Plot No. 63, Shantipriya Nagar, Chopasni Road, Jodhpur, Rajasthan - 342003 Rajasthan India (72)Name of Inventor: 1)Naved Ali Ansari
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present invention is directed to a hair oil and a process for producing the hair oil. The coconut oil and castor oil is mixed in effective amount(Coconut oil 60% to 80% preferably 70% and Castor Oil 20% to 40% preferably 30%) and then heated either to boiling point or to a temperature between 300°F to 350°F, which is subsequently cooled to produce the hair oil. The hair oil so produced has medicinal effects in curing hair loss, dandruff and other hair problems. The product hair oil is 100% natural with no chemicals.

No. of Pages: 6 No. of Claims: 2

(21) Application No.5720/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/06/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: SYSTEM-WIDE QUERY OPTIMIZATION

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:27/11/2013 :WO 2014/085677 :NA :NA	(71)Name of Applicant: 1)AMAZON TECHNOLOGIES INC. Address of Applicant: P.O. Box 81226 Seattle Washington 98108 1226 U.S.A. (72)Name of Inventor: 1)YU Liang Gang 2)SMILEY John Robert
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A locally optimized plan for executing a command using a sequence of steps can be determined for a single computing node. However, the locally optimized sequence of steps may not be optimized for a combined system comprising multiple computing nodes , any one of which may be tasked with executing the command. A plan that is optimized for the combined system may be determined by comparing the predicted cost of locally optimized plans for computing nodes in the combined system.

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

(22) Date of filing of Application :29/06/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: EARLY COLLISION DETECTION FOR TWO MOTOR WIPER SYSTEMS

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:102013200001.4 :02/01/2013 :Germany	(71)Name of Applicant: 1)ROBERT BOSCH GMBH Address of Applicant: Postfach 30 02 20 70442 Stuttgart Germany (72)Name of Inventor: 1)PRSKAWETZ Philipp 2)HOG Norbert 3)ECKERT Klaus
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(57) Abstract:

The invention relates to a method for operating a device for wiping a window (10), comprising at least two wipers (11, 12), which are each driven by a respective electric motor (14, 15), and with each of which a respective position sensor (16, 17) is associated, which position sensors generate position sensor Signals in dependence on the position of the wipers, and comprising a signal processing assembly (20), which operates the electric motors (14, 15) in dependence on the position sensor signals and the specified target positions and comprises a storage means (22), in which the target positions are stored, wherein the blocking position that a blocked wiper (12) assumes during a wiping cycle is stored in a storage means (23) of the signal-processing assembly (20) and is used to control an unblocked wiper (11) in a subsequent wiping cycle.

No. of Pages: 19 No. of Claims: 9

(21) Application No.5722/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/06/2015 (43) Publication Date: 29/01/2016

(54) Title of the invention: PORPHYRIN MODIFIED TELODENDRIMERS

(51) International :A61K31/74,C07D487/22,A61B5/00

:NA

classification (31) Priority Document No :61/736067 (32) Priority Date :12/12/2012

(33) Name of priority :U.S.A.

country

(86) International :PCT/US2013/074762

Application No :12/12/2013 Filing Date

(87) International Publication :WO 2014/093675

(61) Patent of Addition to :NA

Application Number Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1) THE REGENTS OF THE UNIVERSITY OF

CALIFORNIA

Address of Applicant: 1111 Franklin St. 12th Floor Oakland

California 94607 U.S.A.

(72) Name of Inventor:

1)LAM Kit S.

2)LI Yuanpei

3)PAN Chongxian

(57) Abstract:

The present invention provides amphiphilic telodendrimers that aggregate to form nanocarriers characterized by a hydrophobic core and a hydrophilic exterior. The nanocarrier core may include amphiphilic functionality such as cholic acid or cholic acid derivatives, and the exterior may include branched or linear poly(ethylene glycol) segments. Nanocarrier cargo such as hydrophobic drugs and other materials may be sequester in the core via non covalent means or may be covalently bound to the telodendrimer building blocks. Telodendrimer structure may be tailored to alter loading properties, interactions with materials such as biological membranes, and other characteristics.

No. of Pages: 97 No. of Claims: 37

(22) Date of filing of Application :24/07/2014 (43) Publication Date : 29/01/2016

(54) Title of the invention: SUBSCRIBER IDENTITY MOULE CONTROL IN A PORTABLE COMMUNICATION DEVICE •

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country	:NA :NA :NA	(71)Name of Applicant: 1)MOTOROLA MOBILITY LLC Address of Applicant: 222 W. Merchandise Mart Plaza, Suite 1800, Chicago, IL 60654, USA, U.S.A.
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor : 1)SHUAIB PUZHAKKAL KAVALATHARA
(87) International Publication No	: NA	2)ABHINAY POTHUGANTI
(61) Patent of Addition to Application Number	:NA	3)AKSHATHA RAJAPPA GOWDA
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A communication device includes a communication circuit, one or more processors operable with the communication circuit, one or more memory devices, operable with the one or more processors, a user interface, operable with the one or more processors, and a receiver to receive a subscriber identification module to enable at least some communication by the communication circuit. A locking mechanism, operable with the receiver and responsive to the one or more processors, can selectively physically retain the subscriber identity module within the receiver.

No. of Pages: 41 No. of Claims: 20

(22) Date of filing of Application :06/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: SYSTEMS AND METHODS FOR SHOCK ABSORBING IN ULTRASOUND PROBES

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country	:13/342,170 :02/01/2012	Address of Applicant :1 RIVER ROAD, SCHENECTADY,
(33) Name of priority country(86) International Application No	:NA	NEW YORK 12345, U.S.A. U.S.A. (72)Name of Inventor:
Filing Date (87) International Publication No	:NA : NA	1)HEINRICH, CHRISTIAN 2)HOLL CHRISTIAN
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

Methods and systems for shock absorbing in ultrasound probes are provided. One ultrasound probe has a housing and a scan head within the housing, wherein the scan head includes a transducer array. The ultrasound provide further includes an axle coupled to the scan head allowing rotation of the scan head and a shock absorbing member within the scan head coupled between the transducer array and the axle. The shock absorbing member is configured to allow relative movement between the axle and the transducer array.

No. of Pages: 26 No. of Claims: 20

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: DEMULSIFYING COMPOSITIONS AND METHODS OF USE

(51) International classification	:C07C	(71)Name of Applicant :
(31) Priority Document No	:NA	1)GENERAL ELECTRIC COMPANY
(32) Priority Date	:NA	Address of Applicant :1 RIVER ROAD, SCHENECTADY,
(33) Name of priority country	:NA	NEW YORK 12345, U.S.A. U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MCDANIEL, CATO RUSSELL
(87) International Publication No	: NA	2)PATEL, NIMESHKUMAR K.
(61) Patent of Addition to Application Number	:NA	3)KUKLENZ, KARL DOUGLAS
Filing Date	:NA	4)GINSEL, KURT JASON
(62) Divisional to Application Number	:NA	5)GUTIERREZ, ROBERTO MANUEL
Filing Date	:NA	

(57) Abstract:

Methods for resolving emulsions in a hydrocarbon stream by contacting the hydrocarbon stream with a demulsifying composition are disclosed. Demulsifying compositions for treating a hydrocarbon stream are also disclosed, wherein the demulsifying composition comprises at least one C4-C12 alkyl phenol-formaldehyde resin alkoxylate and at least one surfactant, wherein the surfactant comprises at least two blocks of alkylene oxide units.

No. of Pages: 45 No. of Claims: 35

(21) Application No.5732/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: APPARATUS AND CIRCUIT FOR PROCESSING DATA

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:1020120142106 :07/12/2012 :Republic of Korea :PCT/KR2013/001793 :06/03/2013 :WO 2014/088156 :NA :NA	(71)Name of Applicant: 1)SAMSUNG ELECTRONICS CO. LTD. Address of Applicant: 129 Samsung ro Yeongtong gu Suwon si Gyeonggi do 443 742 Republic of Korea (72)Name of Inventor: 1)KIM Hye Jeong
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A circuit for processing data is provided. The circuit includes an Application Processor (AP) a Communication Processor (CP) and a storage unit including at least a first region which the AP and the CP access and from/to which data related to at least one of the AP and the CP is read/written and a second region which the CP accesses and from/to which data related to the CP is read/written.

No. of Pages: 24 No. of Claims: 26

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: TRANSDERMAL DOSAGE FORM FOR LOW MELTING POINT ACTIVE AGENT

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:18/12/2013 :WO 2014/105575 :NA :NA :NA	(71)Name of Applicant: 1)MYLAN INC. Address of Applicant:781 Chestnut Ridge Road Morgantown West Virginia 26505 U.S.A. (72)Name of Inventor: 1)SIVARAMAN Arunprasad 2)SIMMONS Tyler D. 3)FIELDSON Gregory T. 4)SORENSON Adam 5)CORTOPASSI Jeffrey E.
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A drug-containing patch allows transdermal administration of a drug. The patch features a hydrophobic reservoir containing the drug, where the reservoir has a first surface and a second surface. A drug-impermeable backing overlies the first surface of the reservoir. A release sheet may overlie the second surface of the reservoir. The hydrophobic reservoir contains a drug and a hydrophobic matrix, where the hydrophobic matrix includes a hydrophobic filler in an amount which is effective to adsorb said drug; and a mixture of polyisobutylene and mineral oil. The hydrophobic matrix may contain hydrophobic colloidal silica as the hydrophobic filler. The hydrophobic reservoir layer may serve as a skin-contacting adhesive layer. Alternatively, a release-controlling adhesive layer may serve as the skin-contacting adhesive layer. The release-controlling adhesive layer may contain hydrophobic colloidal silica and a mixture of polyisobutylene and mineral oil.

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

(22) Date of filing of Application :23/07/2014 (43) Publication Date : 29/01/2016

(54) Title of the invention: NOVEL TRICYCLIC COMPOUNDS, PROCESS FOR SYNTHESIS AND USE THEREOF

		(71)Name of Applicant :
(51) International classification	A61P11/00,	1)COUNCIL OF SCIENTIFIC & INDUSTRIAL
	A61K31/438	RESEARCH
(31) Priority Document No	:NA	Address of Applicant : ANUSANDHAN BHAWAN, RAFI
(32) Priority Date	:NA	MARG, NEW DELHI - 110 001, INDIA. Delhi India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)DUMBALA SRINIVASA REDDY
Filing Date	:NA	2)KISHOR LAXMAN HANDORE
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present invention discloses tricyclic compounds of formula (I) or salt thereof and their process for synthesis. Further, the present invention relates to the use of these novel tricyclic compounds of formula (I) or salt thereof as insect repellents.

No. of Pages: 30 No. of Claims: 9

(22) Date of filing of Application :23/07/2014 (43) Publication Date : 29/01/2016

(54) Title of the invention: NEW TANDEM CATALYTIC PROCESS FOR THE SYNTHESIS OF VICINAL AMINO DIOLS

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No 	:C12P7/26 :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH Address of Applicant: ANUSANDHAN BHAWAN, RAFI MARG, NEW DELHI - 110 001, INDIA. Delhi India (72)Name of Inventor: 1)BRIJ BHUSHAN AHUJA
(87) International Publication No(61) Patent of Addition to Application Number	: NA :NA	(72)Name of Inventor: 1)BRIJ BHUSHAN AHUJA 2)ARUMUGAM SUDALAI
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract:

The present invention discloses a novel vinylic 3-amino-1,2 diol compounds of formula (I) and a one pot cost-effective process for the synthesis of vinylic-3-amino-1,2-diols of formula (I) which comprises tandem a-amination-benzoyloxyallylation of aldehydes. The invention further discloses use of compounds of formula (I) for the synthesis of phytosphingosine.

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

(22) Date of filing of Application :02/11/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: STARTER FOR AN INTERNAL COMBUSTION ENGINE

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No Signature (102011085583.1 Signature (10201108583.1 Signature (102011085583.1 Signature (102011085583.1 Signature (102011085583.1 Signature (102011085583.1 Signature (102011085	me of Applicant: DBERT BOSCH GMBH dress of Applicant: POSTFACH 30 02 20, 70442 GART, GERMANY Germany me of Inventor: DRES, JAVIER USKE, STEPHAN RSCH, ROMAN
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(57) Abstract:

The present subject matter relates to a starter (1) for an internal combustion engine, compilising a starter pinion (2) mounted in displaceable manner opposite to a drive shaft (5) . . ofthe starter (1), which is axially adjustable between an retracted inoperative position and an . . advanced engaging position, in which the starter pinion (2) engages with an annular gear (3) of the internal combustion engine, wherein the starter pinion (2) is coupled to the drive shaft (2) via a helical groove (13) and a guide pin (14) engaged in the helical groove (13). In one embodiment, an imbalance equalizer is disposed on the starter pinion (2).

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

(21) Application No.5737/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date: 29/01/2016

(54) Title of the invention: SYSTEMS AND METHODS FOR SELECTIVELY PRODUCING STEAM FROM SOLAR COLLECTORS AND HEATERS FOR PROCESSES INCLUDING ENHANCED OIL RECOVERY

:F22B3/00,F22B1/00,F24J2/04 (71)Name of Applicant : (51) International classification (31) Priority Document No :61/749888 (32) Priority Date :07/01/2013 (33) Name of priority country :U.S.A. :PCT/US2014/010389 (86) International Application No Filing Date :06/01/2014

(87) International Publication No :WO 2014/107688 (61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)GLASSPOINT SOLAR INC.

Address of Applicant: 46421 Landing Parkway Fremont CA

94538 U.S.A.

(72) Name of Inventor:

1)O'DONNELL John Setel 2) VON BEHRENS Peter Emery

3)NADY Andras 4)HEISLER Stuart M.

(57) Abstract:

Systems and methods for selectively producing steam from solar collectors and heaters, for processes including enhanced oil recovery, are disclosed herein, A system in accordance with a particular embodiment includes a water source, a solar collector that includes a collector inlet, a collector outlet, and a plurality of solar concentrators positioned to heat water passing from the collector inlet to the collector outlet, a fuel-fired heater, a steam outlet connected to an oil field injection well, and a water flow net -work coupled among the water source, the solar collector, the heater, and the steam outlet. The system can further include a controller operatively coupled to the water flow network and programmed with instructions that, when executed, direct at least one portion of the flow through the solar collector and the fuel-fired heater in a first sequence, and direct the at least one portion or a different portion of the flow through the solar collector and the fuel-fired heater in a second sequence different than the first sequence.

No. of Pages: 65 No. of Claims: 41

(21) Application No.5738/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: CALL TERMINATION ON OTT NETWORK

(51) International classification	:H04L12/66,H04M7/00	(71)Name of Applicant:
(31) Priority Document No	:61/733436	1)VIBER MEDIA SARL
(32) Priority Date	:05/12/2012	Address of Applicant :2 Rue des Foss L 1536 Luxembourg
(33) Name of priority country	:U.S.A.	Panama
(86) International Application No	:PCT/IB2013/059469	2)BARTH, Matan
Filing Date	:19/10/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2014/087269	1)BARTH Matan
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A method of seamlessly connecting OTT and TTN networks, comprising: receiving by a TSP from a calling party a dialed number of a called party; communicating by the TSP the dialed number to an OTT service provider; checking by the OTT ser - vice provider whether it can terminate the call; and communicating the checking results to the TSP, wherein the TSP is capable of rerouting the call in case of failure in a manner that is seamless to both the calling party and the called party.

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

(21) Application No.3975/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :21/12/2012

(43) Publication Date: 29/01/2016

(54) Title of the invention : FENUGREEK (TRIGONELLA FOENUM-GRAECUM L.) AND AJWAIN (TRACHYSPERMUM AMMI SYN. CARUM COPTICUM) SEED AS HERBAL FEED ADDITIVE DURING WINTER SEASON FOR IMPROVEMENT IN PERFORMACE OF BEETAL KIDS UNDER STALL-FED CONDITIONS

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No 	:A61K :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)GURU ANGAD DEV VETERINARY AND ANIMAL SCIENCE UNIVERSITY Address of Applicant: FEROZEPUR ROAD, LUDHIANA- 141 004 (PUNJAB), INDIA Punjab India (72)Name of Inventor: 1)DR. CHANDRAHAS
 (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	1)DR. CHANDRAHAS 2)DR. A.L. SAINI

(57) Abstract:

Goat, the national meat animal, encounters many problems during the pre-and post-weaning period especially under the stall-fed conditions. Some of them are high mortality due to diarrhea, dysentery, enterotoxaemia, pneumonia etc. during the pre-weaning period and extremely slower growth rate, recurrent coccidiosis, morbidity, mortality etc. under the vagaries of environmental stress, poor nutrition and improper keeping during post-weaning period. In order to improve the productivity and sustainability of beetal kids under the stall-fed conditions, an experiment was conducted by using herbal feed additives viz. fenugreek (Trigonella foenumgraecum L.), and ajwain {Trachyspermum ammi syn. Carum copticum) as health and growth booster during winter. Above experiment was conducted at Goat Research Farm, Department of Livestock Production Management, Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana. For this thirty kids were selected from 5th day after birth. Different observations like micro- and macro-climate; milk, feed, fodder intake; body weight and body measurements; physiological parameters; haematolological, biochemical and hormonal profiles; health status; faecal microbial and parasitic load; cost of input and value of output were recorded upto the marketable age of 8-months. All the kids were kept under uniform managemental conditions except pre-determined treatment. The use of fenugreek seed, @ 0.1% of BW, significantly improved the milk, feed, fodder, dry matter intake (P

No. of Pages: 25 No. of Claims: 5

(21) Application No.5740/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: TOPICAL OCULAR ANALGESIC AGENTS

(51) International classification :A61K9/00,A61K47/40,A61K31/53

(31) Priority Document No :61/764166 (32) Priority Date :13/02/2013

(32) Priority Date :13/02/2013 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2014/016234

No :13/02/2014

Filing Date
(87) International Publication

WO 2014/1271

(87) International Fublication :WO 2014/127116

(61) Patent of Addition to Application Number :NA :NA

Filing Date
(62) Divisional to Application
Number
:NA
:NA

Filing Date

(71)Name of Applicant : 1)NOVARTIS AG

Address of Applicant :Lichtstrasse 35 CH 4056 Basel

Switzerland

2)GADD, Martha (72)Name of Inventor:

1)KLIMKO Peter G. 2)DAVID Karen C.

3)APPELL Kenneth C. 4)HELLBERG Mark R.

5)GADD Martha

(57) Abstract:

The topical ophthalmic use of certain 2, 4 -diamino -substituted 1, 3 -triazines for preventing or alleviating ocular pain in patients is disclosed. Topcial ocular pharmaceutical composition are also disclosed.

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

(21) Application No.5741/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date: 29/01/2016

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

(51) International classification :H04W72/04,H04W88/00 (71)Name of Applicant : (31) Priority Document No :201310036634.8 (32) Priority Date :30/01/2013 (33) Name of priority country :China (86) International Application No :PCT/CN2013/090529

Filing Date :26/12/2013

(87) International Publication No :WO 2014/117610

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA 1)SONY CORPORATION

Address of Applicant: 17 1 Konan Minato ku Tokyo 108 0075

(72) Name of Inventor: 1)QIN Zhongbin

(57) Abstract:

The art relates to a communication method and device for a wireless communication network and a wireless communication network. In the communication method, to one cell cluster in at least one cell cluster included in the wireless communication network, an Uplink and Downlink ratio scheme of the cell cluster during the next ratio adjusting period is determined based on un- allocatable prediction amount for un -allocatable services of each cell in the cell cluster, and allocatable prediction amount for the services, which can be allocated to other cells, of each cell in the cell cluster thus utilization efficiency of communication resource is optimized, and the cells in the cell cluster have the same communication frequency and Uplink and Downlink ratio scheme. According to the embodiments of the invention, the utilization efficiency of communication resource can be improved.

No. of Pages: 43 No. of Claims: 22

(22) Date of filing of Application :05/10/2012

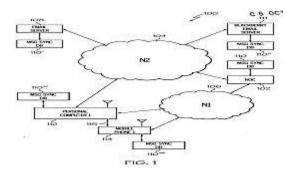
(43) Publication Date: 29/01/2016

(54) Title of the invention : WIRELESS CHARGING AND COMMUNICATION WITH WIRELESS COMMUNICATION DEVICES IN A COMMUNICATION SYSTEM

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country(86) International Application No	:H04N :11184014.6 :05/10/2011 :EPO :NA	(71)Name of Applicant: 1)RESEARCH IN MOTION LIMITED Address of Applicant: 295 PHILLIP STREET, WATERLOO, ONTARIO N2L 3W8, CANADA. Canada (72)Name of Inventor:
Filing Date	:NA	1)EATON EIRC THOMAS
(87) International Publication No(61) Patent of Addition to Application Number	: NA :NA	
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A personal computing system and a mobile phone interoperate according to a wireless charging protocol while in a charging arrangement. The personal computing system can wirelessly charge a power source of the mobile phone. The personal computing system and the mobile phone are in a communication system. A server communicatively coupled to a first network and a wireless communication network can inhibit in the wireless communication network transmission of messages destined for reception by one of the personal computing system and the mobile phone, in response to determining that the personal computing system and the mobile phone are in a charging arrangement.



No. of Pages: 82 No. of Claims: 15

(21) Application No.5728/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: COMPOSITION COMPRISING OXIDATION DYE PRECURSORS AND ANIONIC POLYMERS

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:A61K8/81,A61Q5/10 :NA :NA :NA :PCT/CN2012/087414 :25/12/2012 :WO 2014/100971 :NA :NA :NA	(71)Name of Applicant: 1)L'OREAL Address of Applicant:14 rue Royale F 75008 Paris France (72)Name of Inventor: 1)HAO Yu 2)LV Xuekun
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(57) Abstract:

The present invention relates to a composition for dyeing keratin fibers, comprising a) at least one oxidation dye precursor, b) at least one anionic associative polymer i), c) at least one anionic non associative polymer ii), and d) at least one anionic surfactant. The composition optionally contains alkaline agent.

No. of Pages: 39 No. of Claims: 22

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: SELECTIVE INHIBITION OF C4- PEP CARBOXYLASES

(51) International classification :A01P13/02,A01N31/16,A01N35/04

(31) Priority Document No :61/753049 (32) Priority Date :16/01/2013

(33) Name of priority country:U.S.A.

(86) International :PCT/EP2014/050766

Application No
Filing Date

116/01/2014

(87) International Publication :WO 2014/111448

No

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)HEINRICH HEINE UNIVERSIT,,T DSSELDORF

Address of Applicant: Universittsstrasse 1 40225 D¹/₄sseldorf

Germany

(72)Name of Inventor:

1)GROTH Georg

2)PAULUS Judith Katharina

3)SCHLIEPER Daniel

4)WESTHOFF Peter

(57) Abstract:

The present invention relates to the use of a compound , a salt or solvate thereof as C4 plant selective herbicide wherein said compound has a structure according to formula (I) wherein A is a cyclic alkyl, aryl , heterocycloalkyl, or heteroaryl group , and B is a cyclic alkyl , aryl, heterocycloalkyl ,or heteroaryl group , and wherein R1, R2, R3, R4, and R5 are, independently of each other H or an alkyl group and wherein integer i is 0 or 1, preferably 1 , and the bond (a) is a single or double bond , and wherein in case (a) is a double bond , n is 0 and X is O or S ,and wherein in case (a) is a single bond n is 1 , and X is H or an alkyl group , and wherein the bond (b) is a single or double bond and wherein in case (b) is a double bond , m and p are 0 ,and wherein in case (b) is a single bond m and p are both 1 , and/or according to formula (II) including tautomeric structures thereof , wherein R01 and R02 are independently of each other selected from the group consisting of H, OH , carboxylic acid ,ester , alkyl ,alkoxy and halogen , wherein Y 1 is selected from the group consisting of (S(=0)2) , S(=0) and S(=0) and wherein R01, R02, R04, R05, R06, R07, R04#, R05#, R06#, R07#, R09, R010, R011, and R012 are independently of each other selected from the group consisting of H , OH - SO3H , carboxylic acid , ester, alkyl , alkoxy and halogen , said compound being capable of binding to the malate binding site comprised by a phosphoenolpyruvate carboxylase from a C4 plant , thereby inhibiting said phosphoenolpyruvate carboxylase.

No. of Pages: 87 No. of Claims: 17

(22) Date of filing of Application :30/06/2015 (43) Publication Date: 29/01/2016

(54) Title of the invention: METHOD AND SYSTEM FOR PACKET JOB SCHEDULER IN DATA PROCESSING BASED ON WORKLOAD SELF LEARNING

(51) International :H04L12/841,H04L12/863,H04L12/911

classification

(31) Priority Document :13/730729

(32) Priority Date :28/12/2012 (33) Name of priority :U.S.A.

country

(86) International

:PCT/IB2013/060890 Application No

Filing Date

:12/12/2013

(87) International

Publication No

(61) Patent of Addition to :NA Application Number Filing Date (62) Divisional to

Application Number Filing Date

:WO 2014/102648

:NA

:NA :NA

(71)Name of Applicant:

1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)

Address of Applicant :S 164 83 Stockholm Sweden

(72)Name of Inventor:

1)HO Edward

2)HATHAWAY Robert

3)FENG Michael

4)CHEN Edmund G.

5)MEIER Stephan

6)BELADAKERE Jayaram

(57) Abstract:

A method for packet job scheduler in data processing based on workload self-learning is disclosed. In response to receiving an incoming packet, the packet processor checks workload usage of an isolation group (IG) associated with the incoming packet, the IG being a classification of packets defined for the purpose of processing the incoming packet. The packet processor then determines whether the workload usage of the IG associated with the incoming packet exceeds a predetermined threshold. In response to the workload usage of the IG associated with the incoming packet not exceeding the predetermined threshold, the packet processor forwards the incoming packet to be executed by a packet execution unit, and then it updates the workload usage of the IG associated with the incoming packet based on execution of the incoming packet by the packet execution unit.

No. of Pages: 40 No. of Claims: 24

(21) Application No.10851/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: DEGRADABLE CLOSTRIDIAL TOXINS •

(51) International classification	:A61K	(71)Name of Applicant:
(31) Priority Document No	:61/346,578	1)ALLERGAN INC.
(32) Priority Date	:20/05/2010	Address of Applicant :2525 Dupont Drive T2-7H Irvine
(33) Name of priority country	:U.S.A.	California 92612 U.S.A.
(86) International Application No	:PCT/US2011/037131	(72)Name of Inventor:
Filing Date	:19/05/2011	1)LANCE E.STEWARD
(87) International Publication No	:WO/2011/146704	2)SANJIV GHANSHANI
(61) Patent of Addition to Application	:NA	3)ESTER FERNANDEZ-SALAS
Number	:NA	4)MARCELLA A.GILMORE
Filing Date	.11/1	5)JOSEPH FRANCIS
(62) Divisional to Application Number	:NA	6)KEI ROGER AOKI
Filing Date	:NA	

(57) Abstract:

The specification discloses Clostridial toxins or Clostridial toxin chimeras comprising an inactivation cleavage site, polynucleotide molecules encoding such toxins or chimeras, compositions comprising such toxins or chimeras, and method of producing such toxins or chimeras.

No. of Pages: 365 No. of Claims: 15

(22) Date of filing of Application :12/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention : REMOVAL OF SERINE PROTEASES BY TREATMENT WITH FINELY DIVIDED SILICON DIOXIDE •

(51) International classification	:C12P	(71)Name of Applicant:
(31) Priority Document No	:2010202125	1)BAXTER INTERNATIONAL INC.
(32) Priority Date	:26/05/2010	Address of Applicant :One Baxter Parkway Deerfield IL
(33) Name of priority country	:Austria	60015 U.S.A.
(86) International Application No	:PCT/US2011/038247	2)BAXTER HEALTHCARE S.A.
Filing Date	:26/05/2011	(72)Name of Inventor:
(87) International Publication No	:WO/2011/150284	1)WOLFGANG TESCHNER
(61) Patent of Addition to Application	:NA	2)HANS-PETER SCHWARZ
Number		3)RUTH MADLENER
Filing Date	:NA	4)SONJA SVATOS
(62) Divisional to Application Number	:NA	5)AZRA PLJEVLJAKOVIC
Filing Date	:NA	6)ALFRED WEBER

(57) Abstract:

The present invention provides novel methods for reducing the serine protease and/or serine protease zymogen content of a plasma-derived protein composition. Also provided are methods for manufacturing plasma-derived protein compositions having reduced serine protease and/or serine protease zymogen content. Among yet other aspects, the present invention provides aqueous and lyophilized compositions of plasma-derived proteins having reduced serine protease and/or serine protease zymogen content. Yet other aspects include methods for treating, managing, and/or preventing a disease comprising the administration of a plasma-derived protein composition having a reduced serine protease or serine protease zymogen content.

No. of Pages: 174 No. of Claims: 115

(22) Date of filing of Application :02/05/2011 (43) Publication Date : 29/01/2016

(54) Title of the invention: LIMITED-ACCESS, REDUCED-PRESSURE SYSTEMS AND METHODS'

(51) International classification(31) Priority Document No	:A61M 1/00 :61/103,566	(71)Name of Applicant: 1)KCI LICENSING, INC.
(32) Priority Date	:08/10/2008	Address of Applicant :LEGAL DEPARTMENT-
(33) Name of priority country	:U.S.A.	INTELLECTUAL PROPERTY, P.O. BOX 659508, SAN
(86) International Application No		ANTONIO, TX 78265-9508, UNITED STATES OF AMERICA
Filing Date (87) International Publication No	:13/03/2009 :WO 2010/042240	U.S.A. (72)Name of Inventor :
(61) Patent of Addition to Application		1)BRUCE MCNEIL
Number	:NA :NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A reduced-pressure treatment system (100) for applying reduced pressure to a tissue site at a limited-access location on a patient includes a reduced-pressure source (120), a treatment manifold (310) for placing proximate the tissue site and operable to distribute reduced pressure to the tissue site, and a sealing member (312) for placing over the tissue site and operable to form a pneumatic seal over the tissue site. The reduced-pressure treatment system also includes a reduced- pressure bridge (102) and a moisture-removing device (216) on at least portion of the reduced-pressure bridge. The reduced-pressure bridge includes a delivery manifold (212) operable to transfer the reduced pressure to the treatment manifold, an encapsulating envelope (208) at least partially enclosing the delivery manifold and having a patient-facing side, and a reduced-pressure- interface site (114) formed proximate one end of the reduced-pressure bridge.

No. of Pages: 32 No. of Claims: 40

(21) Application No.5746/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: GLASS LAMINATE USING TEXTURED ADHESIVE

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:B32B17/10 :13/761906 :07/02/2013 :U.S.A. :PCT/US2014/012015 :17/01/2014 :WO 2014/123681 :NA :NA	(71)Name of Applicant: 1)SOUTHWALL TECHNOLOGIES INC. Address of Applicant: 3788 Fabian Way Palo Alto CA 94303 U.S.A. (72)Name of Inventor: 1)HONEYCUTT David Lee 2)CODA Matthew 3)BOMAN Lee Campbell 4)KOZAK Julius G.
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A method for laminating glass, a laminate assembly, and anadhesive-coated plastic material used in a laminate assembly. Specifically an ad hesive, once applied to a plastic layer is grooved or textured to allow formerly trapped air to escape from between layers of a laminate assembly during a laminate process. This can allow for the adhesive layer to be thinner, while still providing for a final product that is re atively air bubble-free and optically pleasing or substantially free of optical defects caused by waviness of the plastic layer between two PVB sheets and/or wrinkles of the plastic sheet.

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

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: METHOD AND DEVICE FOR ANALYSIS OF SHAPE OPTIMIZATION

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:G06F17/50 :2013018676 :01/02/2013 :Japan :PCT/JP2013/084367 :20/12/2013 :WO 2014/119176 :NA :NA :NA	(71)Name of Applicant: 1)JFE STEEL CORPORATION Address of Applicant: 2 3 Uchisaiwai cho 2 chome Chiyoda ku Tokyo 1000011 Japan (72)Name of Inventor: 1)SAITO Takanobu
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(57) Abstract:

When optimizing the part of a structure model having a moveable part using planar elements or three-dimensional elements, a design space is configured consisting of the portion to be optimized of the moveable part, and, in the configured design space, an optimization block model is generated for performing optimization analysis processing, said model being configured from three-dimensional elements. The generated optimization block model is combined with a structure model and material characteristics are configured in the optimization block model. Optimization analysis conditions for calculating an optimal shape are configured in the block model, and mechanism analysis conditions for performing mechanism analysis are configured in the structure model combined with the optimization block model. On the basis of the configured optimization analysis conditions and mechanism analysis conditions, mechanism analysis is performed on the optimization block model to calculate an optimal shape of the optimization block model.

No. of Pages: 60 No. of Claims: 17

(21) Application No.5742/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: OVERCAP INTENDED FOR A PHARMACEUTICAL CONTAINER

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:A61J1/14,B65D51/00 :13152820.0 :28/01/2013 :EPO :PCT/EP2014/051270 :22/01/2014 :WO 2014/114685 :NA :NA	(71)Name of Applicant: 1)B. BRAUN MELSUNGEN AG Address of Applicant: Carl Braun Strasse 1 34212 Melsungen Germany (72)Name of Inventor: 1)PITTET Michel 2)VALLOTTON Raphael 3)NA
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(57) Abstract:

The present invention relates to an overcap intended for a pharmaceutical container, in particular a container for an infusion Solution or an injection Solution , having a receptacle containing at least one preproduced closure Stopper accommodated therein , the Stopper consisting of a soft plastic material , optionally after pulling off a protective covering , for Insertion of a withdrawal cannula, a spike and/ or a transfer set.

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

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention : METHOD FOR MANUFACTURING METAL COMPONENT WITH THREE -DIMENSIONAL EDGE , AND DIE FOR MANUFACTURING

(51) International classification :B21D22/26,B21D24/00 (71)Name of Applicant : (31) Priority Document No :2013008002 1)JFE STEEL CORPORATION (32) Priority Date Address of Applicant: 2 3 Uchisaiwai cho 2 chome Chiyoda :21/01/2013 (33) Name of priority country ku Tokyo 1000011 Japan :Japan :PCT/JP2014/000241 (72) Name of Inventor: (86) International Application No Filing Date :20/01/2014 1)FUJII Yusuke (87) International Publication No :WO 2014/112391 2)SHINMIYA Toyohisa (61) Patent of Addition to Application 3)NAKAGAWA Kinya :NA Number 4)YAMASAKI Yuji :NA Filing Date 5) OCHI Katsuhiro (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract:

If a metal component with a three dimensional edge is manufactured by a conventional press forming die, a crack and creases occur in a simple process, the target shape of the metal component with the three-dimensional edge cannot be achieved, and thereby it is extremely difficult to achieve both the simplification of the process and the weight reduction of a product. A method for manufacturing a metal component with a three-dimensional edge is designed to manufacture a metal component with a three-dimensional edge by using, as a material, a blank (10) that is cut from a metal plate and has a curved edge portion (15) having a curved shape with both ends, and three-dimensionally forming the curved edge portion or further a blank portion adjacent to the curved edge portion and comprises: as a first step, a fold line application step for applying, to the curved edge portion, a fold line of either a mountain fold or a valley fold along a curve of the curved edge portion, the fold line having a bent cross-section with a bend radius of 0.5-30 mm inclusive; and as a second step a three dimensional forming step for moving both the ends of the curved edge portion such that the distance between both the ends is narrowed or widened to thereby three-dimensionally form the curved edge portion or further the blank portion adjacent to the curved edge portion with the fold line as a starting point.

No. of Pages: 59 No. of Claims: 9

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: METHOD AND DEVICE FOR ANALYSIS OF SHAPE OPTIMIZATION

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:G06F17/50 :2013018681 :01/02/2013 :Japan :PCT/JP2013/083936 :18/12/2013 :WO 2014/119167 :NA :NA	(71)Name of Applicant: 1)JFE STEEL CORPORATION Address of Applicant: 2 3 Uchisaiwai cho 2 chome Chiyoda ku Tokyo 1000011 Japan (72)Name of Inventor: 1)SAITO Takanobu
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

In this method for analysis of shape optimization, a computer configures a design space consisting of the portion to be optimized of a structure model; generates an optimization block model for performing optimization analysis processing, said model being configured frOm three-dimensional elements in the configured design space; combines the generated optimization block model with the structure model; configures material characteristics in the optimization block model; configures, in the optimization block model, collision shape optimization conditions for calculating an optimal shape in regard to collision; configures, in the structure model comoined with the optimization block model, collision analysis conditions for performing collision analysis; calculates information relating to whether or not each three-dimensional element in the optimization block model is necessary by performing collision analysis on the optimization block model on the basis of the configured collision shape optimization conditions and collision analysis conditions; and, on the basis of this calculation result, determines an optimal shape in regard to colli sion

No. of Pages: 85 No. of Claims: 23

(21) Application No.5745/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: HAIRDRESSING SCISSORS

(51) International classification	:B26B13/20	(71)Name of Applicant:
(31) Priority Document No	:2012276287	1)AWAUCHI Isao
(32) Priority Date	:18/12/2012	Address of Applicant :527 1 Chiejima Kamojima cho
(33) Name of priority country	:Japan	Yoshinogawa shi Tokushima 7760014 Japan
(86) International Application No	:PCT/JP2013/083675	(72)Name of Inventor:
Filing Date	:16/12/2013	1)AWAUCHI Isao
(87) International Publication No	:WO 2014/098049	
(61) Patent of Addition to Application	:NA	
Number Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

[Problem] To provide hairdressing scissors capable of greatly reducing a burden on a user during draw cutting. [Solution] Hairdressing scissors (1) are provided with a first scissors body (10), a second scissors body (20), and a rotating shaft (30) which rotatably couples the first scissors body (10) and the second scissors body (20) to each other. The first scissors body (10) is an elongated member provided with a first blade part (11) located on the tip side: from the rotating shaft (30), and a first handle part (15) located on the hand side: from the rotating shaft (30) and having a first finger ring (17), and the first handle part (15) has a shape folded to the first blade part (11) side from the rotating shaft (30). The second scissors body (20) is an elongated member provided with a second Dlade part (21) located on the tip side: from the rotating shaft (30), and a second handle part (25) located on the hand side from the rotating shaft (30) and having a second finger ring (27), and the second finger ring (27) has a shape folded to the second blade part (21) side from the rotating shaft (30).

No. of Pages: 37 No. of Claims: 10

(21) Application No.10914/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: DEOAMERS FOR HYDRATABLE CEMENTITIOUS COMPOSITIONS •

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:E06B :12/786,881 :25/05/2010 :U.S.A. :PCT/US2011/036816 :17/05/2011 :WO/2011/149714 :NA :NA	(71)Name of Applicant: 1)W.R. GRACE & COCONN. Address of Applicant: 7500 Grace Drive Columbia MD 21044 U.S.A. (72)Name of Inventor: 1)LAWRENCE L. KUO
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The present invention discloses additive compositions, cementitious compositions, and methods for controlling air in cementitious compositions, wherein a polyalkoxylated polyalkylene polyamine defoamer is deployed in combination with one or more airentraining agents, such as higher alkanolamines, water-reducing agents including oxyalkylene-containing superplasticizers, or other air entraining agents.

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

(22) Date of filing of Application :07/01/2013

(43) Publication Date: 29/01/2016

(54) Title of the invention : METHOD, DEVICE AND SYSTEM FOR IMPLEMENTING MULTICAST FORWARDING IN EXTENDED VLAN BRIDGE

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:H04L12/28 :201010195389.1 :08/06/2010 :China :PCT/CN2011/071973 :18/03/2011 :WO 2011/153858 :NA :NA :NA	(71)Name of Applicant: 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)SONG Xiaoli
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(57) Abstract:

The disclosure provides a method, a device, and a system for implementing multicast forwarding in an EVB, wherein the method includes: the EVB controlling bridge receives a multicast frame and acquires a multicast address from the multicast frame; inquires on a master port and an ID of a subgroup corresponding to the multicast address from a first preset mapping table; forwards, when the ID of the corresponding subgroup is an MCID, the multicast frame carrying the MCID to a corresponding PE assembly via the master port; and the PE assembly distributes the multicast frame to a UE according to a correspondence between the MCID carried in the multicast frame and a downlink port of the PE assembly. In the present disclosure, the same multicast frame is forwarded just once at the same physical port in the EVB according to the mapping relation between the multicast address in the multicast frame and the master port and the ID of the subgroup corresponding to the multicast address, avoiding waste of network bandwidth caused by repetitive duplicating and forwarding by the same physical port, and increasing network bandwidth utilization.

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

(22) Date of filing of Application :08/01/2013

(43) Publication Date: 29/01/2016

(54) Title of the invention: TECHNIQUE TO SHARE INFORMATION AMONG DIFFERENT CACHE COHERENCY DOMAINS

(51) International classification	:G06F 12/00	(71)Name of Applicant:
(31) Priority Document No	:12/057601	1)INTEL CORPORATION
(32) Priority Date	:28/03/2008	Address of Applicant :2200 MISSION COLLEGE
(33) Name of priority country	:U.S.A.	BOULEVARD, MS: RNB-4-150, SANTA CLARA, CA 95052
(86) International Application No	:PCT/US2009/038627	USA U.S.A.
Filing Date	:27/03/2009	(72)Name of Inventor:
(87) International Publication No	:WO 2009/120997	1)OFFEN, ZEEV
(61) Patent of Addition to Application	:NA	2)BERKOVITS, ARIEL
Number	:NA	3)PIAZZA, THOMAS, A.
Filing Date	.NA	4)FARRELL, ROBERT,L.
(62) Divisional to Application Number	:5514/DELNP/2010	5)KOKER, ALTUG
Filed on	:02/08/2010	6)KAHN, OPER

(57) Abstract:

A technique to enable information sharing among agents within different cache coherency domains. In one embodiment, a graphics device may use one or more caches used by one or more processing cores to store or read information, which may be accessed by one or more processing cores in a manner that does not affect programming and coherency rules pertaining to the graphics device.

No. of Pages: 15 No. of Claims: 7

(22) Date of filing of Application :26/07/2014 (43) Publication Date : 29/01/2016

(54) Title of the invention: COMPRESSION CLIP FOR A FRACTURED BONE

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No 	:NA :NA :NA :NA :NA : NA	(71)Name of Applicant: 1)Empire Technology Development LLC Address of Applicant:2711 Centerville Road, Suite 400, Wilmington, DE 19808, U.S.A. U.S.A. (72)Name of Inventor: 1)PRADHAN, Debasish
(87) International Publication No(61) Patent of Addition to Application Number Filing Date	: NA :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

Methods and devices for fixation of a lateral compression fracture are disclosed. At least one compression device may be provided in a deployer. The deployer may be positioned adjacent to a facture line of a fractured bone. The at least one compression device may be laparoscopically delivered from the deployer to the fractured bone and secured the fractured bone. A compression device may include a central portion and a plurality of arms. The central portion may have a first side surface configured to contact a bone fracture and a second side surface. Each arm may extend from a proximal end attached to the central portion and have a distal end that includes a locking mechanism. Each locking mechanism may include at least one of a conical projection, a barb hook, a claw hook, and a serrated hook.

No. of Pages: 25 No. of Claims: 10

(21) Application No.5754/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: OPTICAL FIBER LASER SORTER

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No 	:B07C5/34 :2012156324 :24/12/2012 :Russia :PCT/RU2014/000094 :13/02/2014 :WO 2014/109679	 (71)Name of Applicant: 1)CHUJKO Grigorij Vladimirovich Address of Applicant :ul. Fridriha Jengel`sa 63 kv. 56 g. Voronezh 394018 Russia (72)Name of Inventor: 1)CHUJKO Grigorij Vladimirovich
(87) International Publication No(61) Patent of Addition to ApplicationNumber		1)CHUJKO Grigorij Vladimirovich
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

An optical fiber laser sorter containing a device for conveying the material to be sorted, a device for the laser illumination of the material to be sorted, a device for scanning a laser beam, a device for reading and processing an image, and a device for removing defective material. The device additionally contains an optical fiber, the input of which is connected by means of focusing optics to the optical outputs of one or a plurality of lasers, and the output of which optical fiber is connected to focusing and cylindrical optics for scanning a laser beam. A high level of illumination allows for simultaneously registering on multiple devices the readings of reflected and transmitted laser radiation while maintaining high performance in sorting. The reading devices can operate within different spectral ranges. The ability to adjust the power of a plurality of lasers allows for producing the necessary spectral composition of illumination within the workspace. Switching the sources of laser illumination broadens the functional capabilities of the sorter. Fast responsiveness in the control of the laser illumination allows for deactivating one range of light and activating another during the movement of the product, this being synchronized with the line frequency of a video camera provided with a linear video sensor.

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

(22) Date of filing of Application :30/06/2015 (43) Publication Date: 29/01/2016

(54) Title of the invention: CONNECTING HOOK AND WIPER

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:B60S1/34 :201320004124.8 :06/01/2013 :China :PCT/CN2014/070136 :06/01/2014 :WO 2014/106481 :NA :NA :NA	(71)Name of Applicant: 1)BOSCH AUTOMOTIVE PRODUCTS (CHANGSHA) CO. LTD. Address of Applicant: No. 26 Lixiang Road (M). Xingsha Changsha Hunan 410100 China (72)Name of Inventor: 1)JOACHIM Zimmer 2)KUMAR Suresh
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(21) Application No.5755/DELNP/2015 A

(57) Abstract:

(19) INDIA

A connecting hook (3, 5) and a wiper (100, 200) are disclosed. The wiper (100, 200) comprises an arm head (1) mounted with a column pin (10), a retaining arm (2) connected to the arm head (1) while being rotatable relative to the arm head (1), and a connecting hook (3, 5). The connecting hook (3, 5) has a first hooking portion (31, 51) and a second hooking portion (32, 52) which are formed integrally. The first hooking portion (31, 51) is mounted to the pin (10), and the second hooking portion (32, 52) is mounted to a resilient element (20) which is pre-load. The first hooking portion (31, 51) has a first contacting surface (310, 510) contacting the pin (10) in line contact. Thereby, contacting stress between the connecting hook (3, 5) and the pin (10) is decreased, wear of the connecting hook (3, 5) and the pin (10) is reduced and life span of the wiper (100, 200) is improved.

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

(21) Application No.5756/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: BLANK FOR CONTAINER

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application 	:B29C59/00 :61/737406 :14/12/2012 :U.S.A. :PCT/US2013/074965 :13/12/2013 :WO 2014/093795	(71)Name of Applicant: 1)BERRY PLASTICS CORPORATION Address of Applicant:101 Oakley Street Evansville Indiana 47710 U.S.A. (72)Name of Inventor: 1)EULER John B. 2)PALADINO Jason J. 3)LESER Chris K.
Filing Date (87) International Publication No	:13/12/2013	1)EULER John B. 2)PALADINO Jason J.
Number Filing Date	:NA :NA	SIEDER CHIS R.
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A blank made of a polymeric material is provided and used to form the body of a drink cup or other container. A floor can be coupled to the body to define an interior region of the cup. The present disclosure relates to vessels and in particular to blanks for containers. The blank has a generally planar sheet where the sheet is made from a first strip and a second strip The second strip has a plurality of areas of reduced thickness.

No. of Pages: 65 No. of Claims: 74

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: SHIP1 MODULATORS AND METHODS RELATED THERETO

(51) International classification :C07D213/82,A61K31/05,A61K31/09

(31) Priority Document No :61/750695 (32) Priority Date :09/01/2013

(33) Name of priority

country :U.S.A.

(86) International :PCT/US2014/010501

Application No Filing Date :07/01/2014

(87) International :WO 2014/110036

Publication No
(61) Patent of Addition to
Application Number

NA

pplication Number :NA

Filing Date :NA

2) Divisional to

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)AQUINOX PHARMACEUTICALS (CANADA) INC.

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1)MACKENZIE Lloyd F.

2)MACRURY Thomas B.

3)HARWIG Curtis

4)BOGUCKI David

5)RAYMOND Jeffery R. 6)PETTIGREW Jeremy D.

7)KHLEBNIKOV Vladimir

8)SHAN Rudong

(57) Abstract:

Compounds of formula (I): [Formula should be inserted here]; where [Formula should be inserted here], n,R1, R, R, R5, R7 and R8 are defined herein, or pharmaceutically acceptable salts thereof, are described herein. The disclosed compounds have activity as SHIPI modulators, and thus may be used to treat any of a variety of diseases, disorders or conditions that would benefit from SHIPI modulation. Compositions comprising a compound of formula (I) in combination with a pharmaceutically acceptable carrier or diluent are also disclosed, as are methods of SHIPI modulation by administration of such compounds to an animal in need thereof

No. of Pages: 283 No. of Claims: 22

(21) Application No.5758/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: BLANK FOR CONTAINER

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No 	:B29C53/04 :61/737406 :14/12/2012 :U.S.A. :PCT/US2013/075052 :13/12/2013 :WO 2014/093842	(71)Name of Applicant: 1)BERRY PLASTICS CORPORATION Address of Applicant:101 Oakley Street Evansville IN 47710 U.S.A. (72)Name of Inventor: 1)EULER John B. 2)PALADINO Jason J.
· · ·		
8		7

(57) Abstract:

A blank made of a polymeric material is provided and used to form at least a portion of a container. The blank is folded to establish a base and a side wall included in the container. The present disclosure relates to vessels, and in particular to insulated blanks for containers. More particularly, the present disclosure relates to a blank for an insulated container formed from polymeric materials.

No. of Pages: 27 No. of Claims: 41

(21) Application No.5759/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date: 29/01/2016

(54) Title of the invention: BODY FLUID TEST ARRANGEMENT FOR AN ABSORBENT ARTICLE

(51) International :A61F13/84,A61B5/20,A61F13/505 classification

(31) Priority Document No :NA (32) Priority Date :NA

(33) Name of priority country: NA

(86) International Application :PCT/SE2012/051496

:21/12/2012 Filing Date

(87) International Publication :WO 2014/098695

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to Application :NA Number :NA

Filing Date

(71) Name of Applicant:

1)SCA HYGIENE PRODUCTS AB

Address of Applicant: S 405 03 Gteborg Sweden

(72) Name of Inventor: 1)CARNEY Joshua

(57) Abstract:

A body fluid test arrangement (1) for an absorbent article (13), wherein the body fluid test arrangement (1) comprises a body fluid test device (2) for receiving and examining voided body fluid, said body fluid test arrangement (1) being attachable to a topsheet (17) of the absorbent article (13). Said body fluid test arrangement (1) comprises a fastening means (6) for attachment to the topsheet (17) of the absorbent article (13) by a peelable connection between the body fluid test arrangement (1) and the topsheet (17). The fastening means (8) provides an attachment of the body fluid test arrangement (1) having a peel strength from 0.05 to 1.65 (Nxcm)/cm 2. An absorbent article (13)comprising a body fluid test arrangement (1) is provided.

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

(22) Date of filing of Application :25/07/2014 (43) Publication Date : 29/01/2016

(54) Title of the invention : ULTRASONICALLY PROCESSED NUTRITIONAL COMPOSITION OF HONEY AND SPIRULINA AND METHOD THEREOF

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date 	:A23L1/29 :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)PAWAN KAMRA Address of Applicant: Director, Chandigarh Agritech Pvt. Limited Flat No. 102-B, GH-30, Sector 20, Panchkula HARYANA-INDIA Haryana India (72)Name of Inventor: 1)PAWAN KAMRA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present invention discloses a composition comprising natural honey fortified with Spirulina using ultrasonic energy processing technology. Use of honey results in complete masking of the offensive odor of Spirulina. Fortification of honey with Spirulina using ultrasonic energy processing technology, not only preserves enzyme activity of honey but results in a novel composition with remarkably complete nutritional profile, in addition to rapid energy source and anti-bacterial property. The method of production is simple, energy efficient and does not employ complex or complicated machinery. It is basically a simple blending process using ultrasonic energy in which the technical parameters have been standardized by the inventors. The resultant product is stable and does not require any synthetic additives or preservatives.

No. of Pages: 16 No. of Claims: 4

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

:NA

:NA

(54) Title of the invention : DRIVER ROLLER OF A WINDING DEVICE OF A ROLLING MILL AND METHOD FOR PRODUCING SAME

(51) International classification :B21C47/34,B21B39/00 (71)Name of Applicant : (31) Priority Document No 1)SIEMENS VAI METALS TECHNOLOGIES GMBH :12196038.9 (32) Priority Date Address of Applicant: Turmstrasse 44 4031 Linz Austria :07/12/2012 (33) Name of priority country (72)Name of Inventor: :EPO (86) International Application No :PCT/EP2013/071743 1)FRAUENHUBER Klaus Filing Date :17/10/2013 2)MOSER Friedrich (87) International Publication No :WO 2014/086527 3)SCHIEFER J¹/₄rgen (61) Patent of Addition to Application 4)STADLMAIR Johann :NA Number :NA Filing Date

(57) Abstract:

Filing Date

The invention relates to a driver roller (1, 18) comprising a rolling body (22) and at least one axle shaft journal (3, 5, 19, 32). The at least one axle shaft journal (3, 5, 19, 32) is fixed to the rolling body (22) indirectly via at least one support element(4, 6, 21, 25, 27, 29), which is fixed to the rolling body (22), by means of removable connecting means. The at least one axle shaft journal (3, 5, 32) is arranged such that the longitudinal axis of the journal is coaxial to the longitudinal axis of the rolling body (22), and the axle shaft journal is a separate component. The support element (4, 6, 21, 25, 27, 29) has the shape of a ring or a disk with a groove (30) in an end wall of the ring- or disk-shaped support element (4, 6, 21, 25, 27, 29). The support element (4, 6, 21, 25, 27,29) has a flange (3 1) on which the axle shaft journal (3, 5, 19, 32) is flange-mounted. Such a driver roller can be easily assembled from modules, thereby simplifying maintenance and storage.

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

(62) Divisional to Application Number

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: POLYMYXINS, COMPOSITIONS, METHODS OF MAKING AND METHODS OF USE

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:C07K7/62,A61K38/04 :61/751341 :11/01/2013 :U.S.A. :PCT/EP2014/050320 :09/01/2014 :WO 2014/108469 :NA :NA	(71)Name of Applicant: 1)XELLIA PHARMACEUTICALS APS Address of Applicant: Dalslandsgate 11 DK 2300 Copenhagen Denmark (72)Name of Inventor: 1)GUNNES S lvi 2)BJ*RNSTAD Vidar 3)KOCH Torben 4)MELANDER Claes 5)MNSSON Martin
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(57) Abstract:

Disclosed herein is a composition comprising at least one polymyxin or a salt thereof represented by formula (I) wherein R 1 is an aliphatic linear or branched C6-C10 acyl group, or (T) R5 is-CH(CH 3)2, -CH 2CH(CH 3)2,-CH(CH 3)CH 2CH3, or -CH 2C H5; R6 is-CH(CH), -CH CH(CH), or -CH(CH) CH 2CH; each of R2, R3, R4, R7 and R8 either -(CH) XCH NH or-(CH 2) CH2N(CH 2S03 M)2; wherein x is 0 or 1; wherein M is a monovalent cation; and wherein at least three of R2, R3, R4, R7 and R8 are -(I) (CH 2) CH2N(CH 2S0 M)2.

No. of Pages: 50 No. of Claims: 19

(21) Application No.5752/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date: 29/01/2016

(54) Title of the invention: A COSMETIC COMPOSITION FROM FISH HATCHING FLUID METHODS FOR ITS PRODUCTION AND USES THEREOF FOR IMPROVING THE COSMETIC APPEARANCE OF SKIN

(51) International

:A61Q19/02,A61Q19/08,A61K8/98

classification

:1223330.0

(31) Priority Document No (32) Priority Date

:21/12/2012

(33) Name of priority country: U.K.

:NA

(86) International Application :PCT/EP2013/077368

No

:19/12/2013 Filing Date

(87) International Publication :WO 2014/096187

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date

(62) Divisional to Application :NA Number

Filing Date

(71)Name of Applicant:

1)AOUA BIO TECHNOLOGY ASA

Address of Applicant: Thorm hlensgate 55 N 5008 Bergen

Norway

(72) Name of Inventor:

1)LEREN Hans Kristian

(57) Abstract:

The present invention relates to cosmetic compositions obtained or obtainable from fish hatching fluid, methods of producing said compositions and their use in various cosmetic applications to the skin, particularly for reducing or preventing the cosmetic appearance or prevalence of wrinkles, fine lines, hyperpigmentation, laxity, dry skin, scaling and/or transepidermal water loss in skin of a mammalian animal.

No. of Pages: 54 No. of Claims: 17

(19) INDIA

(22) Date of filing of Application :30/06/2015

(21) Application No.5753/DELNP/2015 A

(43) Publication Date: 29/01/2016

(54) Title of the invention: COUPLING SYSTEM

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:F16D1/116 :1039933 :06/12/2012 :Netherlands :PCT/NL2013/000059 :02/12/2013 :WO 2014/088412 :NA :NA	(71)Name of Applicant: 1)SMETS Theodorus Cornelius Antonius Address of Applicant: Kamgarenplein 23 NL 5046 RD Tilburg Netherlands (72)Name of Inventor: 1)SMETS Theodorus Cornelius Antonius
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

Coupling (1) for a shaft-end (2) having a square cross-section, comprising a front plate (6), a locking plate (7) and a rear plate (8) provided with square openings (9, 10, 11), in which the square shaft-end can be inserted. The locking plate can be rotated back and forth between an unlocked position (I), in which the square openings in the front plate, the rear plate and the locking plate coincide, and a locked position (II), in which the openings do not coincide. In the unlocked position the square shaft-end can be inserted through the coinciding square openings. Subsequently, the locking plate is rotated so that the shaft-end cannot be pulled out until the locking plate is returned into the unlocked position. The coupling can be used for easily inter connecting different types of parts, for example, applicable with exercise bicycles, bicycles, etc.

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

(21) Application No.11053/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: BIOCIDAL COATING COMPOSITION •

(51) International classification (31) Priority Document No	:C12P :1008912.6	(71)Name of Applicant: 1)GX LABS HOLDINGS LIMITED
(32) Priority Date	:27/05/2010	Address of Applicant :1st Floor Centre Heights 137 Finchley
(33) Name of priority country	:U.K.	Road London NW3 6JG U.K.
(86) International Application No	:PCT/GB2011/050957	(72)Name of Inventor:
Filing Date	:20/05/2011	1)JOHN TOFT
(87) International Publication No	:WO/2011/148160	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA :NA	
Filing Date	.INA	

(57) Abstract:

The present invention relates to a biocidal coating composition comprising a biocide and an organofunctional silane oligomer which is distinct from the biocide. Such compositions are suitable for application to a substrate surface to provide long term disinfection on the surface of the substrate. The organofunctional silane oligomer prolongs the action of the biocide on the surface of the substrate, and provides improved surface-retention of the biocide.

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

(21) Application No.11055/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: ENTRY SHEET FOR DRILLING

(51) International classification	:C07C	(71)Name of Applicant:
(31) Priority Document No	:2010-139785	1)Mitsubishi Gas Chemical Company Inc.
(32) Priority Date	:18/06/2010	Address of Applicant :5-2 Marunouchi 2-Chome Chiyoda-
(33) Name of priority country	:Japan	Ku Tokyo 1008324 (JP) Japan
(86) International Application No	:PCT/JP2011/003453	(72)Name of Inventor:
Filing Date	:16/06/2011	1)MATSUYAMA Yousuke
(87) International Publication No	:WO/2011/158510	2)HASAKI Takuya
(61) Patent of Addition to Application	:NA	3)SHIMIZU Kenichi
Number	:NA	4)AKITA Reiki
Filing Date	.IVA	5)KOMATSU Shinya
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The object is to provide an entry sheet for drilling having a layer of crystallizable water-soluble resin composition with a thickness of 0.02 to 0.3 mm formed on at least one surface of a supporting metal foil being excellent in hole location accuracy having no resin attached to a drill bit and preventing breakage of a drill bit. Crystal grains of the water-soluble resin composition have an average grain size within a range of 5 to 70 μ m and a standard deviation of not more than 25 μ m the drill bit entry surface of the layer of water-soluble resin composition has a surface roughness Sm of not more than 8 μ m and the layer is formed by directly on the supporting metal foil coating a hot melt of the water-soluble resin composition or coating a solution containing the water-soluble resin composition and drying, and then cooling from a temperature of 120°C to 160°C to a temperature of 25°C to 40°C in 60 seconds at a cooling rate of not less than 105C/sec.

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

(22) Date of filing of Application :06/07/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: DIFENOCONAZOLE STEREOISOMERIC COMPOSITION WITH REDUCED PHYTOTOXICITY

:A01N43/653,A01N25/32 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)SYNGENTA PARTICIPATIONS AG :1301979.9 (32) Priority Date :04/02/2013 Address of Applicant: Schwarzwaldallee 215 CH 4058 Basel (33) Name of priority country :U.K. Switzerland (86) International Application No :PCT/EP2014/051528 (72) Name of Inventor: Filing Date :27/01/2014 1)GODWIN Jeremy Robert (87) International Publication No :WO 2014/118127 2)HEMING Alexander Mark (61) Patent of Addition to Application 3)LOTHSCHUETZ Christian :NA Number 4)SCHNEITER Peter :NA Filing Date 5)STUTZ Wolfgang (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract:

The present invention relates to a composition and its use in a method for safening the phytotoxic effect of difenoconazole on a plant or plant propagation material. More specifically the composition comprises difenoconazole characterised in that least 40% by weight of said difenoconazole is the 2R 4S isomer depicted as formula (Ib): and wherein at least 95% by weight of the remaining difenoconazole is the 2S 4S isomer depicted as formula (Id):

No. of Pages: 42 No. of Claims: 14

(22) Date of filing of Application :06/07/2015 (43) Publication Date: 29/01/2016

(54) Title of the invention: PORTABLE DIALYSIS MACHINE WITH IMPROVED RESERVOIR HEATING SYSTEM

(51) International :A61M1/16,B01D61/24,B01D61/28 classification

(31) Priority Document No :13/726457 (32) Priority Date :24/12/2012

(33) Name of priority country: U.S.A.

(86) International Application :PCT/US2013/077234

:20/12/2013

Filing Date

(87) International Publication :WO 2014/105755

(61) Patent of Addition to

:NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant:

1)FRESENIUS MEDICAL CARE HOLDINGS INC.

Address of Applicant :920 Winter Street Waltham MA 02451

U.S.A.

(72) Name of Inventor:

1)FULKERSON Barry Neil

2)HUANG Alec

3) KELLY Brian Thomas

4)NOLAN Tam

(57) Abstract:

A portable dialysis machine has a detachable controller unit and base unit with an improved reservoir heating system. The controller unit includes a door having an interior face a housing with a panel where the housing and panel define a recessed region configured to receive the interior face of the door and a manifold receiver fixedly attached to the panel. The base unit has a reservoir with an internal pan and external pan separated by a space that holds a heating element. The heating element is electrically coupled to electrical contacts attached to the external surface of the external pan.

No. of Pages: 252 No. of Claims: 21

(22) Date of filing of Application :06/07/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: LOAD SUSPENSION AND WEIGHING SYSTEM FOR A DIALYSIS MACHINE RESERVOIR

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date 	:A61M37/00 :13/726450 :24/12/2012 :U.S.A. :PCT/US2013/068506 :05/11/2013 :WO 2014/105267 :NA :NA	(71)Name of Applicant: 1)FRESENIUS MEDICAL CARE HOLDINGS INC. Address of Applicant: 920 Winter Street Waltham MA 02451 U.S.A. (72)Name of Inventor: 1)FULKERSON Barry Neil 2)FAZIO Joseph 3)HUANG Alec 4)KELLY Brian Thomas 5)NOLAN Tam
. ,		
Filing Date	:NA	U)SIVIII II IVIAI K

(57) Abstract:

A load suspension and weighing system for a removable reservoir unit of a portable dialysis machine includes a centrally located flexure assembly. The flexure assembly includes magnets and a number of flexure rings which allow for movement of the magnets about a fixed circuit board. Sensors in the circuit board sense changes in the magnetic field as the magnets move in relation to the circuit board. The magnetic field changes produce a voltage output which is used by a processor to generate weight calculations. The top of the flexure assembly is attached to the interior of the dialysis machine. The entirety of the reservoir unit is suspended by a first internal frame that is attached to the bottom of the flexure assembly. Having a single flexure assembly positioned above the reservoir unit provides more accurate weight measurements while also preventing damage to the assembly from water spillage.

No. of Pages: 40 No. of Claims: 20

(22) Date of filing of Application :06/07/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: ANTI VIBRATION DEVICE

:NA

(51) International classification :F16F15/08,B60K5/12,F16F1/44 (71)Name of Applicant : 1)SUMITOMO RIKO COMPANY LIMITED (31) Priority Document No :2013147209 Address of Applicant: 1 Higashi 3 chome Komaki shi Aichi (32) Priority Date :16/07/2013 (33) Name of priority country :Japan 4858550 Japan 2)TOYOTA JIDOSHA KABUSHIKI KAISHA (86) International Application No:PCT/JP2014/064644 (72)Name of Inventor: Filing Date :02/06/2014 (87) International Publication No: WO 2015/008549 1)YOSHII Noriaki (61) Patent of Addition to 2)MIZUKAWA Hiroki :NA **Application Number** 3)SHIMIZU Yorishige :NA Filing Date 4)ICHIKAWA Hiroyuki (62) Divisional to Application 5)KATAGIRI Katsuhiko :NA

6)KOMURA Shinji

(57) Abstract:

Filing Date

Number

Provided is an anti vibration device having a novel structure and that can have a greatly increased load strength resistance without a concomitant increase in the number of components or size at a stopper mechanism. The structure is such that a first and second stopper section (56 58) having a vertical board section (56b 58b) and a depressed section (56c 58c) are provided to a pair of opposing sides of a stopper plate (14) of the anti vibration device (10) whereas a pair of side plate sections (60 60) extending between the first and second stopper sections (56 58) are provided to the other pair of opposing sides of the stopper plate (14) and so the openings at both sides of the first and second stopper sections (56 58) are closed by the pair of side plate sections (60 60).

No. of Pages: 31 No. of Claims: 7

(21) Application No.5921/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/07/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: MULTIVALENT PNEUMOCOCCAL POLYSACCHARIDE PROTEIN CONJUGATE COMPOSITION

(51) International classification :A61K47/48,A61K47/36,A61K39/39

(31) Priority Document No :1020120143318 (32) Priority Date :11/12/2012

(33) Name of priority country :Republic of Korea

(86) International :PCT/KR2013/011195

Application No
Filing Date

1. C17KR20.

:05/12/2013

(87) International :WO 2014/092378

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA

(71)Name of Applicant:

1)SK CHEMICALS CO. LTD.

Address of Applicant :(Sampyeong dong) 310 Pangyo ro Bundang gu Seongnam si Gyeonggi do 463 400 Republic of

Korea

(72)Name of Inventor:

1)PARK Mahn Hoon

2)KIM Hun 3)YANG Ji Hye 4)YANG Seon Young 5)NOH Myeong Ju 6)PARK Su Jin

7)SHIN Jin Hwan

(57) Abstract:

Disclosed is an immunogenic composition having 13 different polysaccharide protein conjugates. Each conjugate contains a capsular polysaccharide which is prepared from different serotypes of streptococcus pneumonia conjugated to a carrier protein in particular 12 serotypes selected from the group consisting of serotypes 1 3 4 5 6A 6B 7F 9V 14 18C 19A 19F and 23F and serotypes 22F or 33F. The immunogenic composition formulated as a vaccine having an aluminum based adjuvant increases coverage against pneumococcal disease in infants and young children.

No. of Pages: 24 No. of Claims: 8

(22) Date of filing of Application :06/07/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: MULTIVALENT PNEUMOCOCCAL POLYSACCHARIDE PROTEIN CONJUGATE COMPOSITION

(51) International classification :A61K47/48,A61K47/36,A61K39/39

(31) Priority Document No :1020120143310 (32) Priority Date :11/12/2012

(33) Name of priority country :Republic of Korea

(86) International :PCT/KR2013/011194

Application No
Filing Date

1. C17KR20.

:05/12/2013

(87) International :WO 2014/092377

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)SK CHEMICALS CO. LTD.

Address of Applicant :(Sampyeong dong) 310 Pangyo ro Bundang gu Seongnam si Gyeonggi do 463 400 Republic of

Korea

(72)Name of Inventor:

1)PARK Mahn Hoon

2)KIM Hun 3)YANG Ji Hye 4)YANG Seon Young 5)NOH Myeong Ju 6)PARK Su Jin

7)SHIN Jin Hwan

(57) Abstract:

Disclosed is an immunogenic composition having 13 different polysaccharide protein conjugates. Each conjugate contains a capsular polysaccharide which is prepared from different serotypes of streptococcus pneumonia conjugated to a carrier protein in particular 12 serotypes selected from the group consisting of serotypes 1 3 4 5 6A 6B 7F 9V 14 18C 19A 19F and 23F and serotypes 2 or 9N. The immunogenic composition formulated as a vaccine having an aluminum based adjuvant increases coverage against pneumococcal disease in infants and young children.

No. of Pages: 24 No. of Claims: 8

(22) Date of filing of Application :06/07/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: CONTROLLING SEX OF OVIPAROUS EMBRYOS USING LIGHT

:A01K41/00,G01N33/08 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)ONCE INNOVATIONS INC. :61/735786 (32) Priority Date Address of Applicant :5455 Highway 169N Plymouth MN :11/12/2012 (33) Name of priority country :U.S.A. 55442 U.S.A. (86) International Application No :PCT/US2013/074308 (72) Name of Inventor: Filing Date :11/12/2013 1)GRAJCAR Zdenko (87) International Publication No :WO 2014/093445 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract:

The sex of embryos in eggs is influenced or controlled through the application of light having selected wavelengths in order to promote the development of embryos of a selected sex. An incubating device is provided having an interior cavity that can be sealed from an outside and having a plurality of lighting elements disposed on each of a plurality of trays disposed in the interior cavity. Eggs are disposed on the trays and pre determined environmental conditions are applied to the interior cavity to promote hatching of the eggs. Concurrently with the application of the environmental conditions the eggs are irradiated according to pre determined lighting conditions. The lighting conditions include applying light having wavelengths substantially concentrated in selected ranges such as light wavelengths within the 390 419 nm 410 450 nm 420 450 nm 450 495 nm or other narrow range.

No. of Pages: 30 No. of Claims: 27

(21) Application No.10905/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 14/12/2012 (43) Publication Date: 29/01/2016

(54) Title of the invention : QUAD DIRECTIONAL ANGLE ADJUSTMENT APPARATUS AND QUAD DIRECTIONAL ANGLE ADJUSTMENT BRUSH USING SAME

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number 	:1020100060919 :28/06/2010 :Republic of Korea :PCT/KR2011/004724 :28/06/2011 :WO 2012/002712 :NA	(71)Name of Applicant: 1)SEO Jeong hyun Address of Applicant: 203ho 323 3 Sanseong dong Jung gu Daejeon 301 819 Republic of Korea (72)Name of Inventor: 1)SEO Jeong hyun
	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The present invention relates to a quad directional angle adjustment apparatus and to a quad directional angle adjustment brush using same and particularly from among brushes in general to a toothbrush the angle of which is adjustable in four directions. To overcome the problems of conventional angle adjustment toothbrushes provided is a quad directional angle adjustment toothbrush which enables simplicity in assembly and the angle of which is adjustable in the left and right directions and in the forward and backward directions i.e. in four directions thus improving productivity and providing users with convenience in brushing their teeth. For this purpose the quad directional angle adjustment toothbrush according to the present invention comprises: a toothbrush head unit one side of which has a C shaped connection portion including an assembly opening; and a toothbrush handle unit one side of which has a C shaped connection portion including an assembly opening wherein the C shaped connection portion formed at said one side of the toothbrush head unit and of the toothbrush handle unit respectively has an inner surface on which a convex connecting portion is formed and an outer surface on which a concave connecting portion is formed.

No. of Pages: 14 No. of Claims: 3

(22) Date of filing of Application :23/07/2014 (43) Publication Date : 29/01/2016

(54) Title of the invention : CUO-TIO2 NANOCOMPOSITE PHOTOCATALYST FOR HYDROGEN PRODUCTION, PROCESS FOR THE PREPARATION THEREOF

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:B01J21/06 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH Address of Applicant: ANUSANDHAN BHAWAN, RAFI MARG, NEW DELHI - 110 001, INDIA. Delhi India (72)Name of Inventor: 1)VALLURI DURGA KUMARI 2)MACHIRAJU SUBRAHMANYAM 3)BASAVARAJU SRINIVAS 4)GULLAPELLI SADANANDAM 5)MUTHUKONDA VENKATAKRISHNAN SHANKAR 6)BETHANABHATLA SYAMA SUNDAR 7)MURIKINATI MAMATHA KUMARI 8)DHARANI PRAVEEN KUMAR
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(57) Abstract:

The present investigation is development of the TiOa nanotubes concept of preparation of and their composite with fine dispersion of copper. The inventions also relates to identify a method for optimum amount of photocatalyst required for efficient and maximum hydrogen production reported than earlier (H2 = 99,823 umol. h-1 g-1 catalyst) from glycerol-water mixtures under solar light irradiation. A method is disclosed to produce CuO/TiOa nanotubes with high sustainability and recyclable activity for hydrogen production.

No. of Pages: 30 No. of Claims: 8

(21) Application No.2081/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :23/07/2014 (43) Publication Date : 29/01/2016

(54) Title of the invention: NOVEL ENUDESMANOID COMPOUNDS AND ISOLATION THEREOF

1K8/49 (71)Name of Applicant :
1)COUNCIL OF SCIENTIFIC & INDUSTRIAL
RESEARCH
Address of Applicant : ANUSANDHAN BHAWAN, RAFI
MARG, NEW DELHI - 110 001, INDIA. Delhi India
(72)Name of Inventor:
1)SWATI PRAMOD JOSHI
2)DHIMAN SARKAR

(57) Abstract:

The present invention relates to a phytochemical compounds exhibiting potent biological activity comprising novel eudesmanoid compounds and the isolation thereof. Further, the present invention relates to a method for the treatment of tuberculosis and cancer, specifically adenocarcinoma, and the use of the present composition in the preparation of a medicament for treatment of the same.

No. of Pages: 26 No. of Claims: 7

(21) Application No.265/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :09/01/2013 (43) Publication Date : 29/01/2016

(54) Title of the invention: DIHYDROPTERIDINONES COMPOUNDS

(51) International classification	:C07D 487/04	(71)Name of Applicant:
(31) Priority Document No	:04019365.8	1)BOEHRINGER INGELHEIM INTERNATIONAL
(32) Priority Date	:14/08/2004	GMBH
(33) Name of priority country	:EPO	Address of Applicant :BINGER STRASSE 173, 55216
(86) International Application No	:PCT/EP05/008734	INGELHEIM, GERMANY Germany
Filing Date	:11/08/2005	(72)Name of Inventor:
(87) International Publication No	:WO 2006/008734	1)GUENTER LINZ
(61) Patent of Addition to Application Number	r:NA	2)GERD F. KRAEMER
Filing Date	:NA	3)LUDWIG GUTSCHERA
(62) Divisional to Application Number	:894/DELNP/2007	4)GEERT ASCHE
Filed on	:02/02/2007	

(57) Abstract:

The present invention relates to a process for preparing dihydropteridinones of general formula (I) wherein the groups L and R1-R5 have the meanings given in the claims and in the specification.

No. of Pages: 65 No. of Claims: 5

(21) Application No.7743/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/08/2015

(43) Publication Date: 29/01/2016

(54) Title of the invention: APPARATUS FOR IRRADIATION OF FLUID WITH ELECTROMAGNETIC RADIATION AND METHOD FOR THE SAME

(51) International classification :G01N23/00 (31) Priority Document No :2,530,677 (32) Priority Date :19/12/2005 (33) Name of priority country :Canada (86) International Application No :PCT/CA2006/002002 (72)Name of Inventor :

Filing Date :11/12/2006 (87) International Publication No :WO2007/071018

(61) Patent of Addition to Application :NA Number

:NA Filing Date :5392/DELNP/2008

(62) Divisional to Application Number Filed on

(71)Name of Applicant: 1)Lumen Associates, Inc.

Address of Applicant: Suite 390, 800-6 Ave SW Calgary,

Alberta T2P 3G3 (CA) Canada

1) KEMP, Douglas, Roy 2) ROSENSTIEL, Leonie 3)FRY, Jeffrey, Donald 4) GIBSON, Hugh, Stewart

(57) Abstract:

An apparatus and method for irradiation of fluid with electromagnetic radiation, and in particular to an apparatus and method for irradiation of blood or other body fluids with ultraviolet radiation is provided. The apparatus (1) comprises a housing (2) having disposed therein at least one mount (6) adapted for receiving an ultraviolet radiation source (7) and at least one holder (8) adapted for receiving a container of the fluid. The housing (2) is adapted for operability between a first position, wherein the container (9) may be placed in the holder (8) and a second position, wherein the housing (2) may form a capsule. The apparatus further comprises a control assembly for powering the ultraviolet radiation source (7). At least a portion of the inner surface of the housing (2) is capable of reflecting the ultraviolet radiation.

:20/06/2008

No. of Pages: 25 No. of Claims: 9

(21) Application No.5930/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/07/2015 (43) Publication Date: 29/01/2016

(54) Title of the invention: MEDICAL INSTRUMENT COATING AND PREPARATION METHOD THEREFOR AND MEDICAL INSTRUMENT COMPRISING COATING

(51) International :A61L31/02,C23C14/34,C23C14/16

classification

(31) Priority Document No :201210562809.4 (32) Priority Date :21/12/2012 (33) Name of priority country: China

(86) International Application :PCT/CN2013/088559

No :04/12/2013 Filing Date

(87) International Publication :WO 2014/094543

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71) Name of Applicant:

1)LIFETECH SCIENTIFIC (SHENZHEN) CO. LTD.

Address of Applicant: Northern Gate No.6 Langshan Second Road Nanshan Shenzhen Guangdong 518000 China

(72)Name of Inventor:

1)LIU Hengquan 2)DONG Lihua

(57) Abstract:

Disclosed is a medical instrument coating being coated on the surface of a nickel titanium alloy component of a medical instrument. The medical instrument coating comprises an elementary copper phase an amorphous titanium containing substance and a transition layer comprising a copper nickel intermetallic phase. Also mentioned is a preparation method for the medical instrument coating. A medical instrument comprising a copper titanium coating has good blood compatibility and simultaneously can inhibit the endothelialization of the medical instrument surface improving the recovery rate of the medical instrument and prolonging the recovery time window; the copper titanium coating belongs to the group of metal composite coatings has a certain toughness and ductility and avoids the large amplitude deformation process of the medical instrument damaging the coating; and the mechanical property and the coating quality of the medical instrument comprising a fine nickel titanium alloy component are guaranteed by means of the a method for preparing the coating.

No. of Pages: 32 No. of Claims: 16

(21) Application No.5931/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/07/2015 (43) Publication Date: 29/01/2016

(54) Title of the invention: METHODS OF PRODUCING 6 CARBON CHEMICALS VIA COA DEPENDENT CARBON CHAIN ELONGATION ASSOCIATED WITH CARBON STORAGE

(51) International classification :C12P7/42,C12P7/44,C12P13/00 (71) Name of Applicant:

(31) Priority Document No :13/715981 (32) Priority Date :14/12/2012

(33) Name of priority country :U.S.A.

(86) International Application No:PCT/US2013/075087

Filing Date :13/12/2013 (87) International Publication No: WO 2014/093865

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)INVISTA TECHNOLOGIES S..R.L.

Address of Applicant : Zweigniederlassung St. Gallen

Kreuzackerstrasse 9 9000 St. Gallen Switzerland

(72) Name of Inventor:

1)BOTES Adriana Leonora 2) CONRADIE Alex Van Eck

(57) Abstract:

This document describes biochemical pathways for producing adipic acid caprolactam 6 aminohexanoic acid 6 hydroxyhexanoic acid hexamethylenediamine or 1 6 hexanediol by forming two terminal functional groups comprised of carboxyl amine or hydroxyl groups in a C6 aliphatic backbone substrate. These pathways metabolic engineering and cultivation strategies described herein rely on CoA dependent elongation enzymes or analogues enzymes associated with the carbon storage pathways from polyhydroxyalkanoate accumulating bacteria.

No. of Pages: 116 No. of Claims: 40

(21) Application No.5934/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/07/2015 (43) Publication Date: 29/01/2016

(54) Title of the invention: VARNISH HAVING A MICROSTRUCTURE

(51) International :C09D125/14,C09D133/04,C09D5/28 classification

(31) Priority Document No :13151210.5

(32) Priority Date :14/01/2013 (33) Name of priority

:EPO country

(86) International :PCT/EP2014/050359

Application No :10/01/2014 Filing Date

(87) International

:WO 2014/108491 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant: 1)ACTEGA TERRA GMBH

Address of Applicant :Industriestrasse 12 31275 Lehrte

Germany

(72) Name of Inventor: 1)CZUDAJ Violetta 2)KAMPHUIS Frank 3)K-HLER Martin 4)MELZER Uta

(57) Abstract:

The present application relates to an aqueous varnish composition comprising a non film forming poly(styrene acrylate) having a glass transition temperature (T) of at least 80°C a poly(styrene acrylate) resin having a weight average molecular weight (MW) of up to 20 000 g/mol and water. Such a varnish composition is suitable as an overprint varnish or primer for substrates such as paper cardboard and foil. The applied varnish film can advantageously be printed on by ink jet printing owing to its surface structure having microcracks.

No. of Pages: 29 No. of Claims: 13

(22) Date of filing of Application :06/07/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: TREATMENT OF CD47+ DISEASE CELLS WITH SIRP ALPHA FC FUSIONS

(51) International (71) Name of Applicant: :C07K19/00,A61K38/16,A61K38/45 classification 1)TRILLIUM THERAPEUTICS INC. (31) Priority Document No :61/738008 Address of Applicant :96 Skyway Avenue Toronto ON M9W (32) Priority Date :17/12/2012 4Y9 Canada (72)Name of Inventor: (33) Name of priority :U.S.A. country 1)UGER Robert Adam (86) International 2)SLAVOVA PETROVA Penka Slavtcheva :PCT/CA2013/001046 Application No 3)PANG Xinli :17/12/2013 Filing Date (87) International Publication: WO 2014/094122 (61) Patent of Addition to :NA **Application Number** :NA Filing Date

(57) Abstract:

(62) Divisional to

Application Number

Filing Date

CD47+ disease cells such as CD47+ cancer cells are treated with an agent that blocks signalling via the SIRPa/CD47 axis. The agent is a human SIRPa fusion protein that displays negligible CD47 agonism and negligible red blood cell binding. The fusion protein comprises an IgV domain from variant 2 of human SIRPa and an Fc having effector function. The IgV domain binds human CD47 with an affinity that is at least five fold greater than the affinity of the entire extracellular region of human SIRPa. The fusion protein is at least 5 fold more potent than a counterpart lacking effector function.

No. of Pages: 56 No. of Claims: 23

:NA

:NA

(22) Date of filing of Application :28/08/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: MAGNESIUM ALLOY WITH ADJUSTABLE DEGRADATION RATE

(51) International classification	:C22C21/00	(71)Name of Applicant:
(31) Priority Document No	:61/783554	1)DEPUY SYNTHES PRODUCTS INC.
(32) Priority Date	:14/03/2013	Address of Applicant :325 Paramount Drive Raynham
(33) Name of priority country	:U.S.A.	Massachusetts 02767 0350 U.S.A.
(86) International Application No	:PCT/US2014/023047	(72)Name of Inventor:
Filing Date	:11/03/2014	1)IMWINKELRIED Thomas
(87) International Publication No	:WO 2014/159328	2)BECK Stefan
(61) Patent of Addition to Application	:NA	3)UGGOWITZER Peter
Number	:NA	4)LOEFFLER Joerg
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

An alloy and an implant having a three dimensional structure based on such alloy. The alloy comprises a MgZnCa alloy containing nanosized precipitates being less noble than the Mg matrix alloy and having a Zn content ranging 0.1 wt. % Zn to 2 wt. % Zn and a calcium content ranging from 0.2 wt. % to 0.5 wt. % and having one or more other elements with the remainder being Mg. Any second phase generated during the solidification process may be completely dissolved by a solution heat treatment. Finely dispersed nanosized precipitates can then be generated by a subsequent aging heat treatment step. These precipitates are used to pin the grain boundaries and to prevent the coarsening of the grain structure during further processing to achieve grain sizes below $5~\mu m$.

No. of Pages: 31 No. of Claims: 32

(22) Date of filing of Application :13/12/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: ANTIPSYCHOTIC INJECTABLE DEPOT COMPOSITION •

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(51) International classification	:C07C	(71)Name of Applicant:
(31) Priority Document No	:10382154.2	1)LABORATORIOS FARMACEUTICOS ROVI S.A.
(32) Priority Date	:31/05/2010	Address of Applicant :C/Julian Camarillo 35 E-28037
(33) Name of priority country	:EUROPEAN	Madrid Spain
(33) Name of priority country	UNION	(72)Name of Inventor:
(86) International Application No	:PCT/EP2011/059000	1)IBON GUTIERRO ADURIZ
Filing Date	:31/05/2011	2)MARIA TERESA GOMEZ OCHOA
(87) International Publication No	:WO/2011/151355	
(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 is directed to a composition that can be used to deliver an antipsychotic drug such as risperidone as an injectable in-situ forming biodegradable implant for extended release providing therapeutic plasma levels from the first day. The composition is in the form of drug suspension on a biodegradable and biocompatible copolymer or copolymers solution using water miscible solvents that is administered in liquid form. Once the composition contacts the body fluids, the polymer matrix hardens retaining the drug, forming a solid or semisolid implant that releases the drug in a continuous manner. Therapeutic plasma levels of the drug can be achieved since the first day up to at least 14 days or more.

No. of Pages: 64 No. of Claims: 17

(21) Application No.7765/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention : HYBRID WATER DISPERSIONS (POLY)ETHYLENE (METH)ACRYLIC ACID COPOLYMER COMPOSITE LATEX EMULSIONS HYBRID (POLY)ETHYLENE (METH)ACRYLIC ACID ORGANOSILANE COMPOSITE LATEX EMULSIONS AND COATING COMPOSITIONS FORMED THEREFROM

<ul><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</li></ul>	:C08F265/06,C08F8/42,C08F8/32 :61/802028 :15/03/2013 :U.S.A. :PCT/EP2014/054762 :12/03/2014	(71)Name of Applicant:  1)AKZO NOBEL COATINGS INTERNATIONAL B.V. Address of Applicant: Velperweg 76 NL 6824 BM Arnhem Netherlands (72)Name of Inventor: 1)LI Cathy
Filing Date (87) International Publication No	:WO 2014/140057	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Hybrid water dispersions are disclosed which can be used in the formation of coating compositions having good blush resistance abrasion resistance blister resistance hardness and scratch resistance. In some embodiments the coating compositions are used to coat substrates such as cans and packaging materials for the storage of food and beverages. Hybrid water dispersion of the invention may be prepared by mixing a (poly) ethylene (meth) acrylic acid copolymer in water to form a mixture and reacting the mixture with an organosilane compound.

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

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : ION BEAM TREATMENT METHOD FOR PRODUCING SUPERHYDROPHILIC GLASS MATERIALS

<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>	:C03C23/00 :13 00719 :28/03/2013 :France :PCT/FR2014/050713 :26/03/2014 :WO 2014/155008 :NA	(71)Name of Applicant: 1)QUERTECH Address of Applicant: 9 rue de la Girafe F 14000 Caen France (72)Name of Inventor: 1)BUSARDO Denis 2)GUERNALEC Frdric
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method for treating a glass material with an ion beam in which the ion acceleration voltage is between 5 kV and 1000 kV; the temperature of the glass material is less than or equal to the glass transition temperature; the dose of nitrogen (N) or oxygen (O) ions per surface unit is chosen from a range of between 10 ions/cm2 and 1018 ions/cm2 so as to reduce the contact angle of a drop of water to less than 20° a prior pre treatment is carried out with argon (Ar) krypton (Kr) or xenon (Xe) ions in order to increase the durability of the superhydrophilic treatment. Long lasting superhydrophilic glass materials are advantageously obtained in this way.

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

(21) Application No.7767/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date: 29/01/2016

### (54) Title of the invention: HYBRID LATEX EMULSIONS AND COATING COMPOSITIONS FORMED FROM HYBRID LATEX EMULSIONS

(51) International

:C09D4/00,C08G77/00,C08F220/00 classification

(31) Priority Document No :61/781565 (32) Priority Date :14/03/2013 (33) Name of priority country: U.S.A.

(86) International Application :PCT/EP2014/054625

No :11/03/2014 Filing Date

(87) International Publication: WO 2014/139973

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71) Name of Applicant:

1)AKZO NOBEL COATINGS INTERNATIONAL B.V.

Address of Applicant: Velperweg 76 NL 6824 BM Arnhem

Netherlands

(72) Name of Inventor:

1)LI Cathy

2)MEMMER Timothy I. 3)SCAVUZZO Derek 4)BODE Daniel

#### (57) Abstract:

Hybrid latex emulsions are disclosed which can be used in the formation of coating compositions having good blush resistance abrasion resistance blister resistance hardness and scratch resistance. In some embodiments the coating compositions are used to coat substrates such as cans and packaging materials for the storage of food and beverages. Hybrid latex emulsions of the invention may be prepared by mixing an ethylenically unsaturated monomer component and a stabilizer in a carrier to form a monomer emulsion and reacting the monomer emulsion with an initiator to form the hybrid latex emulsion. The ethylenically unsaturated monomer component may include an organosilane compound which may include a reactive organic group and a hydrolysable inorganic alkoxysilane.

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

(21) Application No.7768/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: CLEANING 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> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:2013022758 :07/02/2013 :Japan	(71)Name of Applicant:  1)UNI CHARM CORPORATION  Address of Applicant: 182 Shimobun Kinsei cho Shikokuchuo shi Ehime 7990111 Japan (72)Name of Inventor:  1)SUDA Tomokazu
Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

To provide a cleaning tool exhibiting excellent cleaning effectiveness. [Solution] The present invention relates to a cleaning tool (A) comprising a cleaning sheet (100) and a holding tool (200) for holding said cleaning sheet (100). The cleaning sheet (100) is provided with: a brush part (110) capable of cleaning an object to be cleaned; a base part (120); and insertion parts (130) for the holding tool (200). The brush part (110) is provided with a first contact region (161) and a second contact region (162). The second contact region (162) is provided with a lower region (162A) formed so as to be lower than the first contact region (161) in the thickness direction (Z). The lower region (162A) is used as a guide region (162B) capable of guiding dust on the object to be cleaned towards the adjacent first contact region (161).

No. of Pages: 74 No. of Claims: 16

(21) Application No.11033/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/12/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: BIODEGRADATION OF RENEWABLE HYDROCARBON FUEL BLENDS

<ul><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C10L1/182,C10L1/04,C10L10/00 :61/347127 :21/05/2010	1)BUTAMAX (TM) ADVANCED BIOFUELS LLC Address of Applicant :Experimental Station Building 268 200
(33) Name of priority country (86) International Application No Filing Date	:U.S.A. :PCT/US2011/037360 :20/05/2011	Powder Mill Road Wilmington Delaware 19880 0268 U.S.A. (72)Name of Inventor:  1)FOSTER Michael Robert 2)GANNON John Thomas
<ul><li>(87) International Publication</li><li>No</li><li>(61) Patent of Addition to</li><li>Application Number</li></ul>	:WO 2011/146849 :NA	3)TSAO David Teh Wei
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

### (57) Abstract:

Biologically produced isobutanol as a component in fuel compositions provides a valuable mechanism for introducing renewable components to fuel compositions and at the same time provides for reduced environmental impact of the fuel composition if it were to contaminate a given environmental area.

No. of Pages: 78 No. of Claims: 28

(22) Date of filing of Application: 19/12/2012 (43) Publication Date: 29/01/2016

(54) Title of the invention: METHOD FOR ADJUSTING A VOICE RECOGNITION SYSTEM COMPRISING A SPEAKER AND A MICROPHONE AND VOICE RECOGNITION SYSTEM •

(71)Name of Applicant: (51) International classification :H04N 1)JOHNSON CONTROLS TECHNOLOGY COMPANY (31) Priority Document No :12/793,113 Address of Applicant: 915 E 32nd Street Holland MI 49423 (32) Priority Date :03/06/2010 U.S.A. (33) Name of priority country :U.S.A. (72) Name of Inventor: :PCT/US2011/029896 (86) International Application No 1)MICHAEL J. SIMS Filing Date :25/03/2011 2)BRIAN L. DOUTHITT (87) International Publication No :WO/2011/152920 3)DAVID J. HUGHES (61) Patent of Addition to Application :NA 4)MARK ZEINSTRA Number 5)TED W. RINGOLD :NA Filing Date 6)DOUGLAS W. KLAMER (62) Divisional to Application Number :NA 7)TODD WITTERS Filing Date :NA 8) ELISABET A. ANDERSON

## (57) Abstract:

A method for adjusting a voice recognition system and a voice recognition system is disclosed, wherein the voice recognition system comprises a speaker and a microphone, and wherein the method comprises the steps of; - memorizing an audio frequency signal - playing back the audio frequency signal by means of the speaker, - generating a detection signal by detecting the audio frequency signal by means of the microphone, and - adjusting parameters of the voice recognition system dependent on the detection signal.

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

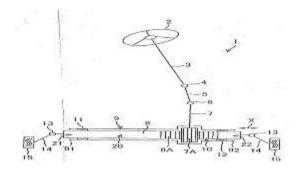
(22) Date of filing of Application :05/10/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: BUSH FOR RACK SHAFT AND RACK-AND-PINION TYPE STEERING SYSTEM •

lame of Applicant :	:B62D	(51) International classification
TEKT CORPORATION ddress of Applicant :5-8 Minamisemba 3-chome Chuo-ku	:2011- 220743	(31) Priority Document No
a-shi Osaka 542-8502 Japan	:05/10/2011	(32) Priority Date
OILES CORPORATION	:Japan	(33) Name of priority country
lame of Inventor :	:NA	(86) International Application No
HINJI HAKAMATA	:NA	Filing Date
IICHI YAMASHITA	: NA	(87) International Publication No
OSUKE NISHITANI	:NA	(61) Patent of Addition to Application Number
	:NA	Filing Date
	:NA	(62) Divisional to Application Number
	:NA	Filing Date
ddress of Applicant: 5-8 Minamisemba 3-chome Chuo a-shi Osaka 542-8502 Japan DILES CORPORATION lame of Inventor: HINJI HAKAMATA IICHI YAMASHITA	220743 :05/10/2011 :Japan :NA :NA : NA :NA :NA	<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>

#### (57) Abstract:

A second bush (12) supporting a rack shaft (8) of a rack-and-pinion type steering system (1) includes a bush main body (55) and an Oring (56). The bush main body (55) is in a C shape when seen in an axial direction. In the bush main body, a fitting grooves (57) extending in the circumferential direction are formed on the outer peripheral surface: (55A), a notch (61) extending in the axial direction are formed, and the rack shaft (8) is inserted through on the inner peripheral surface (55B) side. The 0-ring (56) is fitted in the fitting groove (57) such that a portion of the 0-ring protrudes from the outer peripheral surface (55A) of the bush main body (55). [Selected Drawing] FIGS. 10



No. of Pages: 43 No. of Claims: 8

(22) Date of filing of Application :05/10/2012

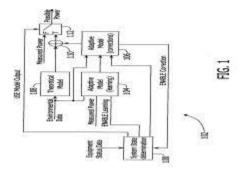
(43) Publication Date: 29/01/2016

# (54) Title of the invention : SYSTEMS AND METHODS FOR ADAPTIVE POSSIBLE POWER DETERMINATION IN POWER DETERMINATION IN POWER GENERATING 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> </ul>	:H02J :13/271707 :12/10/2011 :U.S.A. :NA :NA	(71)Name of Applicant:  1)GENERAL ELECTRIC COMPANY Address of Applicant: 1 RIVER ROAD, SCHENECTADY, NEW YORK 12345, U.S.A. U.S.A. (72)Name of Inventor: 1)CAFFREY, PAUL OLIVER
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	: NA :NA :NA	2)GALBRAITH, ANTHONY WILLIAM 3)RACKMALES, JAMES DAVID 4)KURUVILLA, KURUVILLA PALLATHUSSERIL
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A system for determining the output capacity of a power generating system including a sensor that monitors at least one condition of the power generating system and outputs the monitored condition data, and a power capability determination device that dynamically determines a full capacity of the power generating system based upon the outputted environmental data from the electronic controller.



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

(21) Application No.7773/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: SOLID FORMS OF TREPROSTINIL

<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>	:07/03/2014 :WO 2014/159050 :NA :NA	(71)Name of Applicant:  1)UNITED THERAPEUTICS CORPORATION Address of Applicant: 1040 Spring Street Silver Spring Maryland 20910 U.S.A. (72)Name of Inventor: 1)PHARES Kenneth 2)SCANNELL Michael
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

There is provided individual polymorphic forms of treprostinil and pharmaceutical formulations comprising the same methods of making and using the same. The polymeric forms include crystalline treprostinil monohydrate Form A crystalline treprostinil monohydrate Form B and treprostinil Form C. The methods of preparation of such forms their characterization by differential scanning calorimetry (DSC) is provided.

No. of Pages: 69 No. of Claims: 29

(21) Application No.7774/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: INTRAVAGINAL RING FOR THE DELIVERY OF UNIQUE COMBINATIONS OF ANTIMICROBIAL COMPOSITIONS

(51) International :A61K31/731,A61K31/315,A61K31/44

classification (31) Priority Document

(32) Priority Date :05/02/2013 (33) Name of priority

country

:U.S.A. (86) International

Application No

:PCT/US2014/014633

Filing Date

:04/02/2014

:13/759981

(87) International Publication No

:WO 2014/123880

(61) Patent of Addition to **Application Number** 

:NA :NA

:NA

Filing Date (62) Divisional to **Application Number** 

:NA Filing Date

(71)Name of Applicant:

1)THE POPULATION COUNCIL INC.

Address of Applicant : One Dag Hammarskjold Plaza New

York NY 10017 U.S.A. (72)Name of Inventor:

1)ZYDOWSKY Thomas M.

2) UGAONKAR Shweta 3)SEIDOR Samantha

#### (57) Abstract:

Disclosed are compositions for inhibiting transmission of a sexually transmitted infection that contain one or more polyanionic microbicides such as carrageenans including lambda carrageenan as well as water soluble metal salts and specified antiretroviral agents comprising NNRTIs and NRTIs. Also disclosed are methods for making and using the compositions. Also disclosed are intravaginal rings for delivering water soluble compounds and preferably high molecular weight water soluble polymers at essentially a zero order rate. The rings include an outer layer of non water swellable elastomer and preferably high molecular weight water soluble polymer and an inner layer of the water soluble polymer which is imbedded in the outer layer and an aperture through the outer layer for release thereof only through that aperture.

No. of Pages: 72 No. of Claims: 50

(21) Application No.10870/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: METHODS FOR THE PREPARATION OF INJECTABLE DEPOT COMPOSITIONS •

(51) International classification (31) Priority Document No	:C07C :10382153.4	(71)Name of Applicant: 1)LABORATORIOS FARMACEUTICOS ROVI S.A.
(32) Priority Date	:31/05/2010	Address of Applicant :C/Julian Camarillo 35 E-28037
(33) Name of priority country	:EUROPEAN UNION	Madrid Spain (72)Name of Inventor:
(86) International Application No	:PCT/EP2011/059001	1)IBON GUTIERRO ADURIZ
Filing Date	:31/05/2011	2)MARIA TERESA GOMEZ OCHOA
(87) International Publication No	:WO/2011/151356	
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Injectable depot compositions, comprising a biocompatible polymer which is a polymer or copolymer based on lactic acid and/or lactic acid plus glycolic acid having a monomer ratio of lactic to glycolic acid in the range from 48:52 to 100:0, a water- miscible solvent having a dipole moment of about 3.7-4.5 D and a dielectric constant of between 30 and 50, and a drug, were found suitable for forming in-situ biodegradable implants which can evoke therapeutic drug plasma levels from the first day and for at least 14 days.

No. of Pages: 75 No. of Claims: 11

(21) Application No.10873/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012 (43) Publication Date: 29/01/2016

# (54) Title of the invention: PLANT SEEDS WITH ALTERED STORAGE COMPOUND LEVELS RELATED CONSTRUCTS AND METHODS INVOLVING GENES ENCODING PAE AND PAE LIKE POLYPEPTIDES

(51) International

:C12N15/82,C12N15/55,C12N9/18 classification

(31) Priority Document No :61/360648 (32) Priority Date :01/07/2010 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2011/042326

No :29/06/2011 Filing Date

(87) International Publication :WO 2012/003207

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71) Name of Applicant:

1)E. I. DU PONT DE NEMOURS AND COMPANY

Address of Applicant: 1007 Market Street Wilmington

Delaware 19898 U.S.A. (72) Name of Inventor: 1)MEYER Knut 2)McGONIGLE Brian 3)STECCA Kevin L.

(57) Abstract:

This invention is in the field of plant molecular biology. More specifically this invention pertains to isolated nucleic acid fragments encoding PAE or PAE Like proteins in plants and seeds and the use of such fragments to modulate expression of a gene encoding PAE or PAE Like protein activity in a transformed host cell.

No. of Pages: 311 No. of Claims: 27

(21) Application No.10876/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012 (43) Publication Date : 29/01/2016

#### (54) Title of the invention: SOLIDS HANDLING EQUIPMENT

<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</li> </ul>	:1112885.7 :26/07/2011 :U.K.	(71)Name of Applicant:  1)SASOL TECHNOLOGY (PROPRIETARY) LIMITED Address of Applicant: 1 Sturdee Avenue Rosebank 2196 Johannesburg South Africa (72)Name of Inventor: 1)BAUMANN Paul Smit 2)FRANCIS Daniel
	· - ·	
•		
	:WO 2013/014550	2)FRANCIS Daniel
	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A seat component (17) for solids handling equipment includes a metal seat body (32) defining an endless hardened metal seat surface (40) for a closure component (16) to seat against with metal to metal contact and with a solids flow path extending through the seat body (32). The seat body (32) includes an endless recess (50) spaced radially outwardly from the hardened metal seat surface (40) which has a mouth (52) and an interior (54) communicating with the mouth (52) and extending away from the mouth (52) into the seat body (32). The interior (54) of the recess (50) has at least one region (56) which is wider than the mouth (52) or which is wider than a narrower region of the recess (50) between the wider region (56) and the mouth (52). The wider region (56) is defined by at least one step wise change in the width of the recess (50). An endless seal (70) of an elastic material defines at least one retention formation (72) caught or located in the wider region (56) behind the step wise change in the width of the recess (50) to inhibit displacement of the seal (70) out of the recess (50). Sides (78 80) of a portion of the seal (70) outside the recess (50) are both slanted at an angle to a stroke axis of the seat body (32) or the closure component (16) and the spacing of the endless recess (50) from the hardened metal seat surface (40) provides room for the seal (70) to be compressed into without preventing metal to metal seating of the closure component (16) against the hardened metal seat surface (40).

No. of Pages: 24 No. of Claims: 13

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: PLANTS HAVING INCREASED TOLERANCE TO HERBICIDES

(51) International classification	:C12N15/82,A01H5/00,C12N5/04	(71)Name of Applicant:
(31) Priority Document No	:61/817370	1)BASF SE
(32) Priority Date	:30/04/2013	Address of Applicant: 67056 Ludwigshafen Germany
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application	DOT /ID 201 4 /0 < 1 0 7 7	1)PASTERNAK Maciej
No	:PCT/IB2014/061077	2)TRESCH Stefan
Filing Date	:29/04/2014	3)MIETZNER Thomas
(87) International Publication	W.O. 201 4/177000	4)HUTZLER Johannes
No	:WO 2014/177999	5)LERCHL Jens
(61) Patent of Addition to		6)WESTON Brigitte
Application Number	:NA	7)WITSCHEL Matthias
Filing Date	:NA	8)PAULIK Jill Marie
(62) Divisional to Application		0,2.12.0.22.2.0.11.12.2.2.
Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method for controlling undesired vegetation at a plant cultivation site is provided. The method comprises the steps of providing at said site a plant that comprises at least one nucleic acid comprising a nucleotide sequence encoding a wild type hydroxyphenyl pyruvate dioxygenase or a mutated hydroxyphenyl pyruvate dioxygenase (mut HPPD) which is resistant or tolerant to a HPPD inhibiting herbicide and/or a nucleotide sequence encoding a wild type homogentisate solanesyl transferase or a mutated homogentisate solanesyl transferase (mut HST) which is resistant or tolerant to a HPPD inhibiting herbicide applying to said site an effective amount of said herbicide. Plants comprising mut HPPD and methods of obtaining such plants are further provided.

No. of Pages: 143 No. of Claims: 21

(22) Date of filing of Application: 13/12/2012 (43) Publication Date: 29/01/2016

# (54) Title of the invention: CARBON DIOXIDE GAS MIST PRESSURE BATH METHOD AND CARBON DIOXIDE GAS MIST PRESSURE BATH APPARATUS FOR IMPROVING AND PROMOTING CIRCULATION OF BLOOD IN ISCHEMIC REGION OF ORGANISM

(51) International classification :A61H33/14,A61H33/02,A61H33/06

(31) Priority Document No :2010283832

(32) Priority Date :20/12/2010

(33) Name of priority country :Japan

(86) International

Application No :PCT/JP2011/079486

Filing Date :20/12/2011

(87) International

Publication No :WO 2012/086636

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to
Application Number
:NA
:NA
:NA
:NA

(71)Name of Applicant:

1)ADVANCE BIOTRON CO. LTD.

Address of Applicant :1468 Higashijo Chikuhokumura

Higashichikuma gun Nagano 3997502 Japan

(72)Name of Inventor: 1)NAKAMURA Shoichi

# (57) Abstract:

Filing Date

Circulation of the blood in an ischemic region can be improved or promoted and furthermore ischemic disease in an organism can be prevented improved or treated through either direct contact or contact through clothing of carbon dioxide gas with the skin or mucous membrane of an organism. The following steps are continued at least once per day for four weeks: (a) a step for pulverizing and dissolving carbon dioxide gas into a liquid and producing a carbon dioxide gas mist by forming the same into a mist; (b) a step for spraying the carbon dioxide gas mist into a carbon dioxide gas mist enclosing means for enclosing the organism in an airtight state; (c) a step for expelling gas from the carbon dioxide gas mist enclosing means to the exterior thereof performed in parallel with the step (b) as necessary in a manner such that the pressure of the gas within the carbon dioxide gas mist enclosing means is kept at or above a prescribed value that is higher than the atmospheric pressure; (d) and a step for continuing to supply the carbon dioxide gas mist enclosing means with the carbon dioxide gas mist for at least 20 minutes.

No. of Pages: 87 No. of Claims: 16

(21) Application No.10884/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: A METHOD FOR DETECTING METABOLITES OF TANAPROGET.

<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>	:C07H 17/00 :60/601,254 :12/08/2004 :U.S.A. :PCT/US05/028424 :11/08/2005 :WO 2006/020712 :NA :NA	(71)Name of Applicant:  1)WYETH  Address of Applicant: FIVE GIRALDA FARMS, MADISON,  NJ 07940 UNITED STATES OF AMERICA U.S.A.  (72)Name of Inventor:  1)SHEN, LI  2)KEATING, KELLY  3)MCCONNEL, OLIVER  4)DEMAIO, WILLIAM  5)CHANDRASEKARAN, APPAVA
(62) Divisional to Application Number Filed on	:1386/DELNP/2007 :21/02/2007	

# (57) Abstract:

A method of generating synthetic metabolites of tanaproget derivatives thereof is provided. These compounds and methods of using these derivatives for detecting tanaproget metabolites in samples are provided.

No. of Pages: 28 No. of Claims: 6

(21) Application No.10885/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: A METHOD FOR DETECTING METABOLITES OF TANAPROGET.

(51) International classification	:C07H 17/00	(71)Name of Applicant:
(31) Priority Document No	:60/601,254	1)WYETH
(32) Priority Date	:13/08/2004	Address of Applicant :5 GIRALDA FARMS, MADISON, NJ
(33) Name of priority country	:U.S.A.	07940 UNITED STATES OF AMERICA U.S.A.
(86) International Application No	:PCT/US05/028424	(72)Name of Inventor:
Filing Date	:11/08/2005	1)SHEN, LI
(87) International Publication No	:WO 2006/020712	2)KEATING, KELLY
(61) Patent of Addition to Application	:NA	3)MCCONNEL, OLIVER
Number	:NA	4)DEMAIO, WILLIAM
Filing Date	.NA	5)CHANDRASEKARAN, APPAVA
(62) Divisional to Application Number	:1386/DELNP/2007	
Filed on	:21/02/2007	

# (57) Abstract:

A method of generating synthetic metabolites of tanaproget derivatives thereof is provided. These compounds and methods of using these derivatives for detecting tanaproget metabolites in samples are provided.

No. of Pages: 29 No. of Claims: 11

(21) Application No.10886/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/12/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: AN ANTIBODY OR FRAGMENT THEREOF GENERATED USING A TANAPROGET DERIVATIVE

#### (57) Abstract:

A method of generating synthetic metabolites of tanaproget derivatives thereof is provided. These compounds and methods of using these derivatives for detecting tanaproget metabolites in samples are provided.

No. of Pages: 29 No. of Claims: 11

(21) Application No.7789/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

#### (54) Title of the invention: HEAT ABSORBING GLAZING

<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>	:C03C17/36 :BE 2013/0100 :14/02/2013 :Belgium :PCT/EP2014/052945 :14/02/2014 :WO 2014/125083 :NA :NA :NA	(71)Name of Applicant:  1)AGC GLASS EUROPE Address of Applicant: Avenue Jean Monnet 4 B 1348 Louvain La Neuve Belgium (72)Name of Inventor: 1)MAHIEU Stijn
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#### (57) Abstract:

The invention relates to solar control transparent glazing comprising on a glass substrate a transparent multilayer stack including an alternation of n silver based functional layers and n+1 dielectric coatings where n=1 such that each functional layer is surrounded by dielectric coatings and at least one solar radiation absorbing layer enclosed between two dielectric layers formed by a material selected from among aluminium or silicon nitrides or mixtures thereof inside one of the dielectric coatings. At least one functional layer is disposed on top of the so called absorbent layer and an intermediate transparent oxide layer selected from among oxides of zinc tin zirconium titanium or alloys of same and a zinc oxide based wetting layer are disposed between the absorbent layer and the functional layer the intermediate transparent oxide layer having a different composition from that of the wetting layer said wetting layer being immediately next to the functional layer.

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

(22) Date of filing of Application: 18/12/2012 (43) Publication Date: 29/01/2016

# (54) Title of the invention: TAILORED OILS PRODUCED FROM RECOMBINANT HETEROTROPHIC MICROORGANISMS

(51) International classification	:C12P7/64,C12N15/74	(71)Name of Applicant:
(31) Priority Document No	:61/349774	1)SOLAZYME INC.
(32) Priority Date	:28/05/2010	Address of Applicant :225 Gateway Boulevard South San
(33) Name of priority country	:U.S.A.	Francisco California 94080 U.S.A.
(86) International Application No	:PCT/US2011/038463	(72)Name of Inventor:
Filing Date	:27/05/2011	1)FRANKLIN Scott
(87) International Publication No	:WO 2011/150410	2)SOMANCHI Aravind
(61) Patent of Addition to Application	:NA	3)WEE Janice
Number	:NA	4)RUDENKO George
Filing Date	.INA	5)MOSELEY Jeffrey L
(62) Divisional to Application Number	:NA	6)RAKITSKY Walt
Filing Date	:NA	

#### (57) Abstract:

Methods and compositions for the production of oil fuels oleochemicals and other compounds in recombinant microorganisms are provided including oil bearing microorganisms and methods of low cost cultivation of such microorganisms. Microalgal cells containing exogenous genes encoding for example a lipase a sucrose transporter a sucrose invertase a fructokinase a polysaccharide degrading enzyme a keto acyl ACP synthase enzyme a fatty acyl ACP thioesterase a fatty acyl CoA/aldehyde reductase a fatty acyl CoA reductase a fatty aldehyde reductase a fatty aldehyde decarbonylase and/or an acyl carrier protein are useful in manufacturing transportation fuels such as renewable diesel biodiesel and renewable jet fuel as well as oleochemicals such as functional fluids surfactants soaps and lubricants.

No. of Pages: 192 No. of Claims: 69

(21) Application No.10999/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/12/2012 (43) Publication Date: 29/01/2016

### (54) Title of the invention: METALLIC COMPONENT FOR HIGH PRESSURE APPLICATIONS

(51) International classification: B23H9/00,F02M61/16,B23H3/00 (71)Name of Applicant: (31) Priority Document No :10 2010 030 586.3 1)ROBERT BOSCH GMBH (32) Priority Date :28/06/2010 Address of Applicant :Postfach 30 02 20 70442 Stuttgart (33) Name of priority country :Germany Germany (86) International Application (72) Name of Inventor: :PCT/EP2011/058403 1)GENTE Arnold No :24/05/2011 Filing Date 2)BURGER Chris (87) International Publication :WO 2012/000720 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

A metallic component (l) for high-pressure applications, which serves in particular for fuel injection systems of air-compressing, self-igniting internal combustion engines, comprises at least one transition region (2). The transition region (2) is re-worked here after a hardening operation. The re-working is performed by electrochemical removal and mechanical removal, in particular honing.

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

(21) Application No.7797/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

### (54) Title of the invention: SOLAR CONTROL GLAZING

(51) International classification	:C03C17/36,E06B3/66	(71)Name of Applicant:
(31) Priority Document No	:BE 2013/00100	1)AGC GLASS EUROPE
(32) Priority Date	:14/02/2013	Address of Applicant : Avenue Jean Monnet 4 B 1348 Louvain
(33) Name of priority country	:Belgium	La Neuve Belgium
(86) International Application No	:PCT/EP2014/052941	(72)Name of Inventor:
Filing Date	:14/02/2014	1)MAHIEU Stijn
(87) International Publication No	:WO 2014/125081	2)DUSOULIER Laurent
(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 solar control glazing comprising on at least one of the surfaces of a glass substrate a system of layers including at least one solar radiation absorbing layer and dielectric layers surrounding said solar radiation absorbing layer. According to the invention the solar radiation absorbing layer is a metal layer based on tungsten alloyed with at least nickel. The layer system comprises: between the substrate and the metal layer at least one layer of a dielectric material based on oxide nitride or oxynitride of silicon or aluminium or mixed aluminium/silicon nitrides; and on top of the solar radiation absorbing layer at least one layer of a dielectric material based on one of said compounds.

No. of Pages: 44 No. of Claims: 26

(21) Application No.7798/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date: 29/01/2016

### (54) Title of the invention: CLUTCH SYSTEM

(51) International

:F16D13/54,F16D13/58,F16D13/56

classification

(31) Priority Document No :10 2013 204 598.0

(32) Priority Date

:15/03/2013

(33) Name of priority country: Germany

(86) International Application

:PCT/DE2014/200110

:05/03/2014

Filing Date (87) International Publication

:WO 2014/139526

(61) Patent of Addition to :NA

**Application Number** 

:NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)SCHAEFFLER TECHNOLOGIES AG & CO. KG

Address of Applicant: Industriestrae 1 3 91074

Herzogenaurach Germany

(72) Name of Inventor:

1)CHAMBRION Martin

2) RUF Johannes

# (57) Abstract:

The invention relates to a clutch system (10) comprising an input side (15) and an output side (20) which sides are arranged so as to be rotatable about a rotational axis (25) and at least one friction element (55) and at least one second friction element (60) the first friction element being connected to the input side for torque transmission and the second friction element being connected to the output side for torque transmission. The first and the second friction element can be brought in frictional engagement with each other by a contact pressure to transmit torque between the input side and the output side at least one spring element (85) being provided that is designed to boost the contact pressure.

No. of Pages: 40 No. of Claims: 13

(21) Application No.7799/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date: 29/01/2016

#### (54) Title of the invention: RESIN COMPOSITION

(51) International :C08L67/04,C08K5/29,C08L101/16 classification

(31) Priority Document No :2013062429

(32) Priority Date :25/03/2013 (33) Name of priority country: Japan

(86) International Application :PCT/JP2014/059057

:20/03/2014

Filing Date

(87) International Publication :WO 2014/157597

(61) Patent of Addition to

:NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71) Name of Applicant: 1)TEIJIN LIMITED

Address of Applicant :6 7 Minamihommachi 1 chome Chuo

ku Osaka shi Osaka 5410054 Japan

(72) Name of Inventor:

1)SHOJI Shinichiro 2)IWAI Masahiro

3)KANEMATSU Syunsuke

4)ONO Yuhei

#### (57) Abstract:

Provided are: a resin composition of which the properties are controlled in such a manner that the resin composition can be decomposed rapidly after the shape of the resin composition is held for a predetermined period of time in hot water having a high temperature which is a severe environment or in hot water having an acidic property a basic property or the like which is a chemically severe environment; and a structure produced from the resin composition.

No. of Pages: 163 No. of Claims: 18

(21) Application No.3355/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :01/11/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: PRESSURE MEDIUM CONTROLLED COUNTERBORE TOOL WITH A PISTON-CYLINDER UNIT

(51) International classification	:F16B	(71)Name of Applicant :
(31) Priority Document No	:10 2011 117 525.7	1)ULF HEULE Address of Applicant :Jacob-Schmid-Heiny-Str.12 9436
(32) Priority Date	:03/11/2011	Balgach Kenya
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)HARRY STUDER
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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#### (57) Abstract:

A pressure medium controlled counterbore tool with one or multiple cutters for metal cutting, which can be actuated in their swivel position by supplying a pressure 5 medium, wherein the actuation of at least one cutter is performed by at least one cutter by means of at least one piston-cylinder unit actuated by the pressure medium.

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

(21) Application No.7783/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: RANDOMLY UNIFORM THREE DIMENSIONAL TISSUE SCAFFOLD OF ABSORBABLE AND NON ABSORBABLE MATERIALS

(51) International :A61L27/16,A61L27/18,A61L27/48 classification

(31) Priority Document No :13/803335

(32) Priority Date :14/03/2013 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2014/019195

No :28/02/2014 Filing Date

(87) International Publication: WO 2014/158666

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant: 1)ETHICON INC.

Address of Applicant : P.O. Box 151 U.S. Route 22 Somerville

New Jersey 08876 U.S.A. (72) Name of Inventor: 1)LANDGREBE Susanne

2)SMITH Daniel 3)DICK Oliver

### (57) Abstract:

An implantable structure method for making the structure and method for using the structure where the structure includes a combination of non absorbable and absorbable components and the implantable structure has a randomly uniform array of materials. The resulting implantable structure provides improved tissue ingrowth and flexibility after implantation and after absorption of the absorbable materials.

No. of Pages: 65 No. of Claims: 22

(21) Application No.7784/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date: 29/01/2016

### (54) Title of the invention: BIOSYNTHESIS OF CANNABINOIDS

:A61K31/352,A61K9/127 (71)Name of Applicant : (51) International classification (31) Priority Document No :61/770766

(32) Priority Date :28/02/2013 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2014/018944

:NA

Filing Date :27/02/2014 (87) International Publication No :WO 2014/134281

(61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA

1)FULL SPECTRUM LABORATORIES LIMITED

Address of Applicant :One Earlsfort Centre Ste 3 Lower Hatch

Street Dublin 2 Ireland (72) Name of Inventor:

1)WINNICKI Robert 2)DONSKY Marc

(57) Abstract:

Filing Date

The present invention provides methods for producing cannabinoids and cannabinoid analogs as well as a system for producing these compounds. The inventive method is directed to contacting a compound according to Formula I or Formula II with a cannabinoid synthase. Also described is a system for producing cannabinoids and cannabinoid analogs by contacting a THCA synthase with a cannabinoid precursor and modifying at least one property of the reaction mixture to influence the quantity formed of a first cannabinoid relative to the quantity formed of a second cannabinoid.

No. of Pages: 55 No. of Claims: 29

(22) Date of filing of Application :31/08/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: LITHIUM MANGANESE BASED OXIDE AND POSITIVE ELECTRODE ACTIVE SUBSTANCE **COMPRISING SAME**

(51) International :C01G45/00,C01D15/00,H01M10/052 classification

(31) Priority Document No :1020130087154

(32) Priority Date :24/07/2013

(33) Name of priority :Republic of Korea

country

(86) International :PCT/KR2014/003030

Application No :08/04/2014

Filing Date

(87) International

:WO 2015/012473 Publication No

(61) Patent of Addition to :NA **Application Number** 

:NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant: 1)LG CHEM LTD.

Address of Applicant :128 Yeoui daero Youngdungpo gu

Seoul 150 721 Republic of Korea

(72)Name of Inventor:

1)LEE Bo Ram 2) JEON Hye Lim 3)SHIN Sun Sik 4)LEE Sang Wook 5)JUNG Wang Mo

### (57) Abstract:

The present invention provides a lithium manganese based oxide having Mn as an essential transition metal and a layered crystalline structure wherein Mn is higher in content than another transition metal (or other transition metals) the lithium manganese based oxide has a flat level section characteristic in which oxygen is released together with lithium deintercalation during the initial charging process in a high voltage range of 4.4V or higher and a pillar element is substituted or doped in a transition metal layer and/or oxide layer including Mn.

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

(21) Application No.7786/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date: 29/01/2016

(54) Title of the invention: HIGH STRENGTH STEEL PLATE WITH EXCELLENT DELAYED DESTRUCTION RESISTANCE CHARACTERISTICS AND LOW TEMPERATURE TOUGHNESS AND HIGH STRENGTH MEMBER MANUFACTURED **USING SAME** 

(51) International :C22C38/00,C22C38/38,C22C38/58

classification

(31) Priority Document No :2013051953 (32) Priority Date :14/03/2013 (33) Name of priority country: Japan

(86) International Application :PCT/JP2014/056669

:13/03/2014 Filing Date

(87) International Publication :WO 2014/142238

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71) Name of Applicant:

1)NIPPON STEEL & SUMITOMO METAL

CORPORATION

Address of Applicant: 6 1 Marunouchi 2 chome Chiyoda ku

Tokyo 1008071 Japan (72)Name of Inventor:

1)TANAHASHI Hirovuki 2)TOMOKIYO Toshimasa

### (57) Abstract:

A high strength steel plate obtained from in mass% the chemical components of C: 0.20 0.42% Si: 0.06 0.5% Mn: 0.2 2.2% Cr: 0.1 2.5% B: 0.0005 0.01% O: 0.0020 0.020% Al: 0.001 0.03% Ti: 0.001 0.05% N: 0.1% or less P: 0.03% or less and S: 0.02 or less with the remainder being Fe and unavoidable impurities. In the steel 5 - 10/mm to 1 - 10/mm of Mn oxide with a maximum length of 1 μm to 5 μm are present and 1.7 — 10/mm to 5 — 10/mm of complex oxides of Mn and Si with short axial direction lengths of 1 μm or more and long axial direction lengths of 10 µm or less are present.

No. of Pages: 68 No. of Claims: 7

(21) Application No.7787/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: TARGET OBJECT IDENTIFYING DEVICE TARGET OBJECT IDENTIFYING METHOD AND TARGET OBJECT IDENTIFYING PROGRAM

(51) International :H04N7/18,G06T7/20,G08B13/196 classification

(31) Priority Document No :2013072178 (32) Priority Date :29/03/2013

(33) Name of priority country :Japan

(86) International Application :PCT/JP2014/000523

No :31/01/2014 Filing Date

(87) International Publication

:WO 2014/155922

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to Application

:NA Number :NA Filing Date

(71)Name of Applicant: 1)NEC CORPORATION

Address of Applicant: 7 1 Shiba 5 chome Minato ku Tokyo

1088001 Japan

(72) Name of Inventor: 1)KOYAMA Kazuya 2)ARIKUMA Takeshi

#### (57) Abstract:

A monitoring target matching means (71) matches monitoring targets appearing in video captured by one or more imaging devices and identifies monitoring targets that are inferred to be the same. An object identifying means (72) uses the imaging times of the identified monitoring targets to identify a desired target object from the identified monitoring targets imaged.

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

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

### (54) Title of the invention: SPRAY COATING GUN FOR THE SPRAY COATING OF OBJECTS WITH COATING POWDER

<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>	:B05B5/03 :10 2013 205 362.2 :26/03/2013 :Germany :PCT/EP2014/051115 :21/01/2014 :WO 2014/154373 :NA :NA :NA	(71)Name of Applicant:  1)GEMA SWITZERLAND GMBH Address of Applicant: Mvenstrasse 17 CH 9015 St. Gallen Switzerland (72)Name of Inventor: 1)SANWALD Marco
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------

#### (57) Abstract:

The present invention relates to a spray coating gun (1) for the spray coating of objects with coating powder. The front end region of the spray coating gun (1) has a coating powder spray head (5) and the opposite rear end region of said spray coating gun has a coating powder connection (12) and at least one compressed gas connection (13 14). Coating powder can be supplied via the coating powder connection (12) to a coating powder channel (11 26) extending to the coating powder spray head (5) while compressed gas can be supplied via the at least one compressed gas connection (13 14) to at least one compressed gas channel (9 28; 10 29) extending to the front end region of the spray coating gun (1). In order to optimize the coating quality which can be achieved with the spray coating gun (1) it is provided according to the invention that the compressed gas channel (9 28; 10 29) has at least one compressed gas branch (35 36) via which at least some of the compressed gas added to the compressed gas channel (9 28; 10 29) is supplied to the coating powder channel (11 26) in order to adjust a powder/air mixture necessary for atomizing at the coating powder spray head (5) and/or for homogenizing the coating powder supplied to the coating powder channel (11 26).

No. of Pages: 31 No. of Claims: 16

(21) Application No.7793/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

### (54) Title of the invention: METHOD FOR PRODUCING HALOGEN N N DIMETHYLBENZYLAMINES

 (51) International classification
 :C07C209/26,C07

 (31) Priority Document No
 :13158020.1

 (32) Priority Date
 :06/03/2013

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2014/054108 Filing Date :04/03/2014

Filing Date :04/03/2014 (87) International Publication No :WO 2014/135508

(61) Patent of Addition to Application
Number :NA
Filing Date
(62) Divisional to Application Number :NA
Filing Date :NA

:C07C209/26,C07C211/29 (71)Name of Applicant :

1)LANXESS DEUTSCHLAND GMBH

Address of Applicant : Kennedyplatz 1 50569 Kln Germany

(72)Name of Inventor:

1)PETERS Lars

2)SCHULZE TILLING Andreas

3)STIRNER Wolfgang

#### (57) Abstract:

The invention relates to a method for producing halogen N N dimethylbenzylamines wherein halogen = chlorine or bromine preferably chlorine N N dimethylbenzylamines preferably ortho chlorine N N dimethylbenzylamine (o Cl DMBA) by reductive amination in the absence of sulphur.

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

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: GRANULATED FEED PHOSPHATE COMPSITION INCLUDING FEED ENZYMES

(51) International classification	:A23K1/165,A23K1/00	(71)Name of Applicant:
(31) Priority Document No	:61/776275	1)THE MOSAIC COMPANY
(32) Priority Date	:11/03/2013	Address of Applicant :3033 Campus Drive Suite E490
(33) Name of priority country	:U.S.A.	Plymouth MN 55441 U.S.A.
(86) International Application No	:PCT/US2014/023407	(72)Name of Inventor:
Filing Date	:11/03/2014	1)FONTANA Eddy
(87) International Publication No	:WO 2014/164760	2)BRITTAIN Charlotte
(61) Patent of Addition to Application	:NA	3)JONES Everett L.
Number	:NA	4)BAYLOR Bryan
Filing Date	.IVA	5)NSHEIWAT Sal
(62) Divisional to Application Number	:NA	6)THOMAS Ryan
Filing Date	:NA	7)MARSELLA Reynaldo

#### (57) Abstract:

A granulated phosphate composition that provides sufficient nutritional value as well as enhanced bioavailability of organic phosphorous present in a main feed ingredient. The granulated phosphate composition includes a phosphate source such as monocalcium phosphate mono dicalcium phosphate or dicalcium phosphate and one or more feed enzymes such as phytase. When the phosphate composition is compounded and pelleted with a main feed ingredient into a feed pellet and consumed by a non ruminant the phytase component of the phosphate composition liberates otherwise unavailable phosphorous present in the main feed ingredient.

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

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : PYRIDINE DERIVATIVES AS REARRANGED DURING TRANSFECTION (RET) KINASE INHIBITORS

(51) International :C07D401/12,C07D413/12,C07D213/69

classification

(31) Priority Document :PCT/CN2013/072683

No

(32) Priority Date :15/03/2013 (33) Name of priority :China

country

(86) International Application No :PCT/IB2014/059817

Filing Date :14/03/2014

(87) International

Publication No :WO 2014/141187

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED

Address of Applicant :980 Great West Road Brentford

Middlesex TW89GS U.K.

(72)Name of Inventor:

1)EIDAM Hilary Schenck 2)DEMARTINO Michael P.

3)GONG Zhen

4) GUAN Amy Huiping

5)RAHA Kaushik

6)WU Chengde

7)YANG Haiying

8)YU Haiyu

9)ZHANG Zhiliu

10)CHEUNG Mui

#### (57) Abstract:

This invention relates to novel compounds which are inhibitors of the Rearranged during Transfection (RET) kinase to pharmaceutical compositions containing them to processes for their preparation and to their use in therapy alone or in combination for the normalization of gastrointestinal sensitivity motility and/or secretion and/or abdominal disorders or diseases and/or treatment related to diseases related to RET dysfunction or where modulation of RET activity may have therapeutic benefit including but not limited to all classifications of irritable bowel syndrome (IBS) including diarrhea predominant constipation predominant or alternating stool pattern functional bloating functional constipation functional diarrhea unspecified functional bowel disorder functional abdominal pain syndrome chronic idiopathic constipation functional esophageal disorders functional gastroduodenal disorders functional anorectal pain inflammatory bowel disease proliferative diseases such as non small cell lung cancer hepatocellular carcinoma colorectal cancer medullary thyroid cancer follicular thyroid cancer anaplastic thyroid cancer papillary thyroid cancer brain tumors peritoneal cavity cancer solid tumors other lung cancer head and neck cancer gliomas neuroblastomas Von Hippel Lindau Syndrome and kidney tumors breast cancer fallopian tube cancer ovarian cancer transitional cell cancer prostate cancer cancer of the esophagus and gastroesophageal junction biliary cancer adenocarcinoma and any malignancy with increased RET kinase activity.

No. of Pages: 180 No. of Claims: 22

(21) Application No.48/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :02/01/2013

(43) Publication Date: 29/01/2016

# (54) Title of the invention : COMMUNICATION SYSTEM FOR SUPPORTING CARRIER AGGREGATION AND METHOD AND APPARATUS FOR UPDATING SYSTEM INFORMATION THEREOF

(51) International classification:H04B(31) Priority Document No:201010002920.9(32) Priority Date:08/01/2010(33) Name of priority country:China

(86) International Application No :PCT/CN2011/0700 Filing Date :05/01/2011 :WO 2011/082671

(87) International Publication No :WO 2011/082671

(61) Patent of Addition to Application
Number
Filing Date
:NA

(62) Divisional to Application Number :6738/DELNP/2012 Filed on :01/08/2012 (71)Name of Applicant:
1)SONY CORPORATION

Address of Applicant :1-7-1 KONAN, MINATO-KU,

TOKYO 108-0075, JAPAN Japan

:PCT/CN2011/070043 (72)Name of Inventor :

1)YUXIN WEI

#### (57) Abstract:

A communication system for supporting carrier aggregation and a method and apparatus for updating system information thereof are disclosed. A method for providing system information in the communication system supporting carrier aggregation includes: when system information of said communication system changes, generating first information including information for indicating the change of system information; determining a first cell of a terminal related to the change of system information, wherein said first cell is one of cells to which said terminal connects, and corresponds to a carrier unit currently used by said terminal for keeping connection with a base station of said communication system; and transmitting said first information to said terminal through said first cell.

No. of Pages: 70 No. of Claims: 60

(21) Application No.7803/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: A PROCESS FOR THE FUNCTIONALIZATION OF A SURFACE

(51) International classification: C07H13/12,C08B15/06,C08J7/00 (71) Name of Applicant: :10 2013 005 184.3 1)FZMB GMBH FORSCHUNGSZENTRUM FR (31) Priority Document No (32) Priority Date :20/03/2013 MEDIZINTECHNIK UND BIOTECHNOLOGIE (33) Name of priority country :Germany Address of Applicant: Geranienweg 7 99947 Bad Langensalza (86) International Application Germany :PCT/EP2014/055584 (72) Name of Inventor: No :20/03/2014 Filing Date 1)HEINZE Thomas (87) International Publication 2)WONDRACZEK Holger :WO 2014/147168 3)ELSCHNER Thomas (61) Patent of Addition to 4)SCHOLZ Friedrich :NA **Application Number** :NA Filing Date

### (57) Abstract:

Filing Date

Number

It was the object to perform surface functionalization with as low as possible a procedural effort and without deleterious side effects wherein the functionalized surface is to have a permanent chemical activity and a high degree of substitution (DS) of higher than 1. According to the invention the functionalization is performed with a dissolved oligo or polysaccharide derivative which contains at least one free functional group especially an amino group linked through a polar carbamate linkage and a spacer (X) according to the general formula (I).

No. of Pages: 27 No. of Claims: 9

(62) Divisional to Application

:NA

:NA

(21) Application No.7804/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: HIGH FAT HUMAN MILK PRODUCTS

(51) International classification	:A23C9/158,A23C9/152	(71)Name of Applicant:
(31) Priority Document No	:61/779781	1)PROLACTA BIOSCIENCE
(32) Priority Date	:13/03/2013	Address of Applicant :757 Baldwin Park Blvd. City of
(33) Name of priority country	:U.S.A.	Industry CA 91746 U.S.A.
(86) International Application No	:PCT/US2014/020837	(72)Name of Inventor:
Filing Date	:05/03/2014	1)SCOTT Elster
(87) International Publication No	:WO 2014/158911	2)FOURNELL Joe
(61) Patent of Addition to Application	:NA	3)EAKER Scott
Number	:NA	
Filing Date	IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The disclosure features a human milk cream composition as well as methods of making a human milk cream composition and using a human milk cream composition. In particular the disclosure features a method of using a human milk cream composition to raise the caloric content of human milk.

No. of Pages: 23 No. of Claims: 26

(21) Application No.7805/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date: 29/01/2016

#### (54) Title of the invention: RETARDING MECHANISM

(51) International

:H01M2/10,B26B21/52,A61C17/22

classification (31) Priority Document No

:61/805348 :26/03/2013

(32) Priority Date

(33) Name of priority country: U.S.A.

(86) International Application

:PCT/US2014/031733

:25/03/2014

Filing Date (87) International Publication

:WO 2014/160713

(61) Patent of Addition to

**Application Number** 

:NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)THE GILLETTE COMPANY

Address of Applicant: World Shaving Headquarters IP/Legal Patent Department 3E One Gillette Park Boston Massachusetts

02127 U.S.A.

(72) Name of Inventor:

1)PEREZ LOPEZ Cirilo Javier

2)FANDREY Ulrich 3)MUELLER Michaela

4)ERNDT Andreas 5)HOTTENROTT Sebastian

6)BERGER Philipp

(57) Abstract:

A novel retarding mechanism is shown to reduce the inertia of the battery shell during a linear detachment movement from a handle of an appliance such as a battery powered razor or shaver. The retarding mechanism is based on the interaction between the battery shell found on a lower portion of a razor handle and a battery carrier found within the upper portion of a razor handle. Specifically an engagement spring having at least one knob type structure is mounted on an interior surface of the battery shell and axially engages protrusions and/or recesses on an exterior surface of the battery carrier during a detachment movement of the battery shell. During opening or detachment of the shell the engagement of the knob with protrusions produces a retarding force effect of the shell during the linear detachment.

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

(21) Application No.7806/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: LOCALISED ENERGY CONCENTRATOIN

<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>	:06/03/2014 :WO 2014/135881 :NA :NA	(71)Name of Applicant:  1)ISIS INNOVATION LIMITED  Address of Applicant: Ewert House Ewert Place Summertown Summertown Oxford Oxfordshire OX2 7SG U.K. (72)Name of Inventor:  1)VENTIKOS Yiannis 2)HAWKER Nicholas
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method of producing a localised concentration of energy comprises creating a shockwave (16) propagating through a non gaseous medium (4) so as to be incident upon a boundary (10) between the non gaseous medium (4) and a gaseous medium (6) formed by at least one hole (8) in a barrier (2) separating the non gaseous medium (4) from a gaseous medium (6). This forms a transverse jet on the other side of the hole (8) which is incident upon a target surface (12) comprising a depression (14) which is spaced from the barrier (2) in the gaseous medium (6). An apparatus for producing a localised concentration of energy is also provided.

No. of Pages: 39 No. of Claims: 78

(21) Application No.5726/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: CHIP PACKAGE 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> </ul>	:H01L23/367,H01L23/373 :NA :NA :NA :PCT/RU2013/000031 :16/01/2013 :WO 2014/112892 :NA :NA	(71)Name of Applicant:  1)SIEMENS RESEARCH CENTER LIMITED LIABILITY COMPANY Address of Applicant :ul. Dubininskaja 96 Moscow 115093 Russia (72)Name of Inventor: 1)IVANOV Evgeny Valeryevich 2)KRASNOV Andrey Aleksandrovich 3)SHARKOV Georgy Borisovich 4)TIKHOMIROVA Nadezhda Vladimirovna
- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		

# (57) Abstract:

The present invention relates to a chip package assembly (1) and its use for mounting and demounting of at least one semiconductor chip (2), comprising a flange (3) and a substrate (4), where the at least one chip (2) and the substrate (4) are arranged on one side of the flange (3). The flange (3) is composed of an electrical and thermally conducting material.

No. of Pages: 17 No. of Claims: 15

(21) Application No.5727/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: SYNERGISTIC WEED CONTROL FROM APPLICATIONS OF PENOXSULAM AND MEFENACET

(51) International :A01N43/78,A01N43/824,A01P13/02 classification

(31) Priority Document No :61/736273 (32) Priority Date :12/12/2012

(33) Name of priority :U.S.A.

country

(86) International :PCT/US2013/074134 Application No

:10/12/2013 Filing Date

(87) International

:WO 2014/093346 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71) Name of Applicant:

1)DOW AGROSCIENCES LLC

Address of Applicant: 9330 Zionsville Road Indianapolis

Indiana 46268 1054 U.S.A. (72) Name of Inventor: 1)MANN Richard K.

## (57) Abstract:

Disclosed herein are herbicidal compositions comprising a synergistically herbicidal effective amount of (a) penoxsulam, or an agriculturally acceptable salt thereof, and (b) mefenacet, or an agriculturally acceptable salt thereof. Also disclosed herein are methods of controlling undesirable vegetation in rice, which comprise applying to vegetation or an area adjacent the vegetation or applying to soil or water to prevent the emergence or growth of vegetation (a) penoxsulam, or an agriculturally acceptable salt thereof, and (b) mefenacet, or an agriculturally acceptable salt thereof, wherein (a) and (b) are each added in an amount sufficient to produce a synergistic herbicidal effect.

No. of Pages: 31 No. of Claims: 25

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: COMPOSITE MATERIAL USED AS A STRAIN GAUGE

:NA

:H01L41/02,H01L41/16 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)BRIGHAM YOUNG UNIVERSITY :61/789730 (32) Priority Date :15/03/2013 Address of Applicant: 3760 Harold B. Lee Library Provo Utah (33) Name of priority country :U.S.A. 84602 6844 U.S.A. (86) International Application No :PCT/US2014/028984 (72) Name of Inventor: Filing Date :14/03/2014 1)MERRELL Aaron Jake (87) International Publication No :WO 2014/144532 2)FULLWOOD David T. (61) Patent of Addition to Application 3)BOWDEN Anton E. :NA Number 4) REMINGTON Taylor D. :NA Filing Date (62) Divisional to Application Number :NA

## (57) Abstract:

Filing Date

In one general aspect an apparatus comprises a material including a non layered mixture of an elastomeric polymer with a plurality of voids; and a plurality of conductive fillers disposed in the elastomeric polymer. The apparatus may produce an electrical response to deformation and thus function as a strain gauge. The conductive fillers may include conductive nanoparticles and/or conductive stabilizers. In another general aspect a method of measuring compression strain includes detecting along a first axis an electrical response generated in response to an impact to a uniform composite material that includes conductive fillers and voids disposed throughout an elastomeric polymer and determining a deformation of the impact based on the electrical response. The impact may be along a second axis different from the first axis.

No. of Pages: 48 No. of Claims: 16

(21) Application No.7811/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

### (54) Title of the invention: LIGHTING 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> <li>Number Filing Date</li> </ul>	:NA :NA :NA	(71)Name of Applicant: 1)SHINDENGEN ELECTRIC MANUFACTURING CO. LTD. Address of Applicant: 2 1 ohtemachi 2 chome Chiyoda ku Tokyo 1000004 Japan (72)Name of Inventor: 1)OSAKI Shingo
- 14	:NA :NA :NA	

## (57) Abstract:

A lighting device (10) is provided with: a lighting control circuit (11) that controls a lighting switching element (SCR1); and a power supply circuit (12) that supplies power to the lighting control circuit (11) using alternating current output (Vac) outputted from an alternating current power generator (ACG) driven by means of an internal combustion engine. The power supply circuit (12) has: a second rectifying element (D2) that rectifies the alternating current output (Vac); a first switching element (Q1) which has an output voltage from the second rectifying element (D2) supplied to one end and an output voltage from the second rectifying element (D2) supplied to a control terminal via a first resistor (R1) and which supplies power from the other end; a first capacitive element (C1) that is connected to the other end of the first switching element (Q1); and a switching element control circuit (121) that reduces the voltage of the control terminal of the first switching element (Q1) to a fixed voltage in the cases where the voltage of the power supply is equal to or higher than the first voltage.

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

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: DEVICE AND METHOD FOR DIFFERENTIATING A GAS IN A SAMPLE

(51) International classification :G01N33/00,G01N1/22 (71)Name of Applicant : (31) Priority Document No :1262680 1)ANEOLIA (32) Priority Date Address of Applicant: 19 rue du Bois de la Remise ZA du :21/12/2012 (33) Name of priority country Tremblay F 91480 Varennes Jarcy France :France (86) International Application No (72) Name of Inventor: :PCT/EP2013/077538 1)GOSSE Thierry Filing Date :19/12/2013 (87) International Publication No :WO 2014/096287 2)LACARRERE Philippe (61) Patent of Addition to Application 3)SCHALLER Eric :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

## (57) Abstract:

The prsent invention relates to a device (1) for testing a sample (13) via a gas stream, including: an opening (2); means (3) for generating a gas stream (25) in the device along at least one flow path passing through the opening; at least one pressure sensor (5, 6), each pressure sensor being arranged to measure a pressure of the gas stream along at least one flow path; and a mass flowmeter(4) arranged to measure a parameter reprsentative of the mass flow of the gas stream along the flow path. According to the invention, the device is arranged to quantify the presence of a gas of interest within a gas being analyzed and/or to dtermine the size of a leak hole (22) from a measurement of the parameter reprsentative of the mass flow. The invention also relates to a method implemented by such a device. Said method can be used to test the integrity of food packaging, and for detecting leaks or problems related to sealing containers.

No. of Pages: 50 No. of Claims: 34

(21) Application No.7815/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: A DOOR OR WINDOW 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:PCT/SG2013/000082 :28/02/2013 :PCT :PCT/SG2013/000082 :28/02/2013 :WO 2014/133452 :NA :NA	(71)Name of Applicant:  1)PD DOOR PTE LTD  Address of Applicant:Block 1075 Eunos Avenue 6 #01 161 Singapore 409631 Singapore (72)Name of Inventor:  1)LIM Choo Siong
Filing Date	:NA	

#### (57) Abstract:

A door or window assembly (10) is provided. The door or window assembly (10) includes: a track assembly (12); a first leaf (14) slidable along the track assembly (12) in a plane of the first leaf (14) between a first position and a second position; a second leaf (16) moveably coupled to the track assembly (12); and a third leaf (20) pivotally coupled to the second leaf (16). The first leaf (14) is arranged to engage the second leaf (16) to form a combined leaf (86) when the first leaf (14) is in the second position and the combined leaf (86) is arranged to be foldable against the third leaf (20).

No. of Pages: 24 No. of Claims: 16

(21) Application No.7816/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: STIFF POLYPROPYLENE COMPOSITION SUITABLE FOR PRIMERLESS PAINTING

<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 Filing Date</li> </ul>	:C08L23/10 :13170001.5 :31/05/2013 :EPO :PCT/EP2014/059912 :15/05/2014 :WO 2014/191211 :NA :NA	(71)Name of Applicant:  1)BOREALIS AG Address of Applicant: IZD Tower Wagramerstrae 17 19 A 1220 Vienna Austria (72)Name of Inventor: 1)GRESTENBERGER Georg 2)KNIESEL Claudia 3)MILEVA Daniela 4)GLOGER Dietrich
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## (57) Abstract:

The present invention is directed to a polypropylene composition (C) an article comprising the polypropylene composition (C) as well as the use of the polypropylene composition (C) to reduce paintability failure of a molded article.

No. of Pages: 51 No. of Claims: 14

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : APPARATUS AND METHOD FOR DELIVERING POLLEN FOR DIRECTED POLLINATION OF PLANTS

<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>	:A01H1/02 :61/784503 :14/03/2013 :U.S.A. :PCT/US2014/021269 :06/03/2014	(71)Name of Applicant:  1)PIONEER HI BRED INTERNATIONAL INC. Address of Applicant:7100 N.W. 62nd Avenue Johnston Iowa 50131 1014 U.S.A. (72)Name of Inventor: 1)DE LA SOTTA Jose Manuel
<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>	:WO 2014/149866 :NA :NA :NA :NA	

#### (57) Abstract:

Apparatuses and methods for delivering pollen for the directed pollination of plants are provided herein. One example embodiment comprises a rigid tube having a first end a second end and a channel defined therebetween wherein the rigid tube is configured to receive the tassel of the maize plant proximate the first end and to interact with the ear shoot of the maize plant proximate the second end and wherein the channel defines a path between the tassel and the ear shoot so as to enable transfer of pollen from the tassel to the ear shoot. In another example embodiment the rigid tube may be telescoping such that the overall length of the rigid tube may be adjustable. In another example embodiment the apparatus may include a fan configured to propel air onto the tassel to aid in the transfer of pollen through the channel to the ear shoot. The apparatuses and methods are applicable for directed cross pollination between different plants of the same species and plants of different species.

No. of Pages: 27 No. of Claims: 23

(21) Application No.7818/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: HYDROGEN SULPHIDE COMPOUNDS

(51) International :A61K31/00,A61K31/095,A61K31/10 classification

(31) Priority Document No :1303649.6 (32) Priority Date :01/03/2013

(33) Name of priority :U.K.

country

(86) International :PCT/GB2014/050608

Application No :03/03/2014 Filing Date

(87) International

:WO 2014/132083 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant: 1)ASTON UNIVERSITY

Address of Applicant : Aston Triangle Birmingham West

Midlands B4 7ET U.K. (72) Name of Inventor: 1)AHMED Asif 2)WANG Keqing

# (57) Abstract:

The application describes Hydrogen Sulphide (HS) or a (HS) generating compound or compound capable of stimulating HS production in a pregnant subject for use in the treatment of pre eclampsia (PE) or fetal growth restriction.

No. of Pages: 31 No. of Claims: 6

(22) Date of filing of Application :06/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: METHODS FOR MAKING ACTIVE CRYSTALLINE MATERIALS

<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 Filing Date</li> </ul>	:C07B63/00 :1222287.3 :11/12/2012 :U.K. :PCT/GB2013/053255 :11/12/2013 :WO 2014/091226 :NA :NA :NA	(71)Name of Applicant:  1)CPI INNOVATION SERVICES LIMITED  Address of Applicant: The Wilton Centre Wilton Redcar  Teesside TS10 4RF U.K.  (72)Name of Inventor:  1)AHMAD Ruksanna  2)COOPER Jeremy  3)ODIASE Isaac
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## (57) Abstract:

The present invention relates to an active crystalline material especially an active multicomponent crystalline material such as a salt or a cocrystal which may be made by dispersing precursor components of the active crystalline material in a liquid medium which comprises an anti solvent maintaining the dispersion for a period during which the active crystalline material is formed and during said period exposing the dispersion to a solvent which solvent being present in the liquid medium in a minor proportion by weight thereof.

No. of Pages: 25 No. of Claims: 13

(21) Application No.5925/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/07/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: FEMORAL PROSTHESIS WITH AN ABSORBABLE SHANK

(51) International classification :A61F2/32,A61F2/34,A61F2/36 (71)Name of Applicant : (31) Priority Document No :BR 10 2012 031184 4

(32) Priority Date :07/12/2012

(33) Name of priority country :Brazil

(86) International Application No :PCT/BR2013/000489

Filing Date :13/11/2013 (87) International Publication No: WO 2014/085885

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application

:NA Number :NA Filing Date

1)ANGELI Jos Roberto

Address of Applicant :Rua Arthur Sab³ia 115 Apto: 111 Vila

Mariana CEP: 04104 60 S£o Paulo SP Brazil

(72)Name of Inventor: 1)ANGELI Jos Roberto

#### (57) Abstract:

The present subject matter relates to a femoral component of a hip prosthesis consisting of two parts; a superior (metaphyseal) portion made from biocompatible non bioabsorbable material and an inferior (diaphyseal) portion which is bioabsorbable. The diaphyseal portion will be absorbed by the organism months after implantation thereof which is the necessary time for definitive attachment of the metaphyseal portion in a suitable position by osseointegration. This assembly allows perfect alignment of the prosthesis during the surgical procedure the diaphyseal shank acting as a guide in the femoral canal and due to the small size thereof will enable removal of the superior portion if revision surgery is necessary.

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

(22) Date of filing of Application :28/08/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: IN MOLD COATING OF ROMP POLYMERS

Filing Date  (62) Divisional to Application Number :NA Filing Date :NA	(62) Divisional to Application Number	:14/03/2014 :WO 2014/144634 :NA :NA :NA	(71)Name of Applicant: 1)MATERIA INC. Address of Applicant:60 North San Gabriel Boulevard Pasadena CA 91107 U.S.A. (72)Name of Inventor: 1)STEPHEN Anthony R. 2)CRUCE Christopher J. 3)TRIMMER Mark S. 4)GIARDELLO Michael A.
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## (57) Abstract:

The present invention relates to in mold coating of a cyclic olefin polymer. More particularly the present invention relates to methods and compositions for in mold coating cyclic olefin polymers prepared by ring opening metathesis polymerization (ROMP) reactions and the manufacture of polymer articles via ROMP. Polymer products produced via the metathesis reactions of the invention may be utilized for a wide range of materials and composite applications. The invention has utility in the fields of polymer and material chemistry and manufacture.

No. of Pages: 81 No. of Claims: 17

(22) Date of filing of Application :29/09/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: METHOD FOR SYSTEMATICALLY TREATING ERRORS

<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>	:G01N :10 2010 003 561.0 :31/03/2010 :Germany :PCT/EP2011/053969 :16/03/2011 :WO 2011/120805 :NA :NA	(71)Name of Applicant:  1)ROBERT BOSCH GmbH  Address of Applicant: Postfach 30 02 20 70442 Stuttgart  Germany (72)Name of Inventor:  1)BOEHL Eberhard  2)BECKER Bernd  3)PAWLOK Bernard
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a method for systematically treating errors and an arrangement for carrying out said method. Said method is used to systematically treat errors for a goniometer during the transmission of positional information using a position transmitter. Said position transmitter comprises markings which are detected using at least one sensor; a profile connected to said markings is stored in a storage area; the position transmitter produces position signals in accordance with its position by means of said markings said signals supporting characteristic variables as information which is registered in an additional storage area beginning with an address display value 0 said address display being incremental with each position signal; and a synchronization is produced between the position signals and the profile and values stored in the profile are used to modify the number of impulsions emitted to the gomiometer.

No. of Pages: 22 No. of Claims: 10

(22) Date of filing of Application :08/10/2012

(43) Publication Date: 29/01/2016

# (54) Title of the invention : AN ELECTRONIC CARD CONTAINING A DISPLAY WINDOW AND METHOD FOR MANUFACTURING AN ELECTRONIC CARD CONTAINING A DISPLAY WINDOW

<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) Potent of Addition to Application</li> </ul>	:H04N :61/282,677 :15/03/2010 :U.S.A. :PCT/US2011/028317 :14/03/2011 :WO 2011/115890	(71)Name of Applicant:  1)INNOVATIER INC.  Address of Applicant: 2769 New Tampa Highway Lakeland Florida 33815 U.S.A. (72)Name of Inventor:  1)ROBERT SINGLETON
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	

#### (57) Abstract:

One embodiment of the invention relates to an electronic card containing a clear display window. The electronic card includes a printed circuit board, having a top surface and a bottom surface and a plurality of circuit components including a display disposed on the top surface of the printed circuit board. The electronic card further includes a bottom overlay disposed on the bottom surface of the printed circuit board, a top overlay disposed above the top surface of the printed circuit board, and a core layer positioned between the top surface of the bottom overlay and the bottom surface of the top overlay. The top overlay comprises a display window aligned with the display.

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

(21) Application No.5735/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: QUICK CONNECT COUPLING WITH A SELF RESETTING RETENTION MECHANISM

<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>	:F16L37/088 :13/737040 :09/01/2013 :U.S.A. :PCT/US2013/072289 :27/11/2013 :WO 2014/109841 :NA :NA	(71)Name of Applicant:  1)GATES CORPORATION Address of Applicant:1551 Wewatta Street IP Law Dept. 10 A3 Denver Colorado 80202 U.S.A. (72)Name of Inventor: 1)GILBREATH Donald R.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A quick connect coupling (2) includes a male coupling (4) and a female coupling (6). A stop (16) may be associated with the male coupling (4) and configured to prevent the male coupling (4) from being inserted into a port of the female coupling (6)beyond a predetermined depth. The stop (16) may be axially slidable between a first position and a second position. The first position may be located between a leading edge (30) of the male coupling (4) and the second position. The stop (16) biased towards the first position so that the stop substantially resets to the first position.

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

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: A METHOD OF REDUCING BRAIN AMYLOID PLAQUES USING ANTI A ANTIBODIES

(71)Name of Applicant: 1)BIOGEN INTERNATIONAL NEUROSCIENCE GMBH (51) International Address of Applicant: Wagistrasse 13 CH 8925 Schlieren :A61K39/395,A61K49/00,C07K16/00 Switzerland classification 2)BUSSIERE, Thierry (31) Priority Document No :61/734799 (32) Priority Date 3)WEINREB.Paul H. :07/12/2012 (33) Name of priority 4) ENGBER, Thomas :U.S.A. country 5)RHODES, Kenneth (86) International 6)ARNDT, Joseph :PCT/US2013/073700 Application No 7)QIAN, Fang :06/12/2013 Filing Date 8) DUNSTAN, Robert W. (87) International 9)PATEL, Shailendra :WO 2014/089500 **Publication No** (72)Name of Inventor: 1)BUSSIERE Thierry (61) Patent of Addition to :NA Application Number 2) WEINREB Paul H. :NA Filing Date 3)ENGBER Thomas (62) Divisional to 4)RHODES Kenneth :NA **Application Number** 5)ARNDT Joseph :NA Filing Date 6)QIAN Fang 7) DUNSTAN Robert W.

#### (57) Abstract:

This disclosure relates to the use of anti-Ab antibody or antigen-binding fragment thereof to reduce brain amyloid plaques, or minimizes the occurrence of microhemorrhage during chronic dosing of an anti-Ab antibody or antigen-binding fragment thereof. For example, the disclosure relates to the method of reducing brain amyloid plaques, comprising administering to a subject an anti-Ab antibody or antigen-binding fragment thereof that binds to the same epitope as BIIB037 antibody, wherein the administration can reduce amyloid plaques in brain without affecting vascular amyloid, and wherein BPB037 antibody binds to an epitope comprising amino acids 3-6 of Ab.

8)PATEL Shailendra

No. of Pages: 113 No. of Claims: 43

(21) Application No.8836/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :11/10/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: SYNTHESIS OF ALKYL CYCLOPENTADIENE 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07C :61/328,880 :28/04/2010 :U.S.A. :PCT/US2011/031182 :05/04/2011 :WO 2011/136902 :NA :NA :NA	(71)Name of Applicant:  1)UNIVATION TECHNOLOGIES LLC. Address of Applicant:5555 San Felipe Street Suite 1950 Houston Texas 77056 U.S.A. (72)Name of Inventor: 1)C. JEFF HARLAN 2)XIANYI CAO 3)FRANCIS C. RIX
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#### (57) Abstract:

A method of synthesizing an alkyl cyclopentadiene compound is disclosed. The method includes contacting at least one cyclopentadienyl anion source and at least one alkyl group source to form at least one alkyl cyclopentadiene compound. The method further includes extracting the alkyl cyclopentadiene compound with a hydrocabon solvent. The alkyl cyclopentadiene 3 compound may be converted to a metallocene catalyst compound.

No. of Pages: 26 No. of Claims: 17

(22) Date of filing of Application: 11/10/2012 (43) Publication Date: 29/01/2016

## (54) Title of the invention: SYSTEMS AND METHODS FOR TENSIONING LIGAMENTS AND OTHER SOFT TISSUES •

<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</li> <li>Filing Date</li> </ul>	:12/04/2011 :WO 2011/130208 :NA :NA	(71)Name of Applicant: 1)SMITH & NEPHEW INC. Address of Applicant:7135 Goodlett Farms Parkway Cordova TN 38016 U.S.A. (72)Name of Inventor: 1)NATHANIEL MILTON LENZ 2)ZACHARY CHRISTOPHER WILKINSON
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

Systems, methods and devices for tensioning posterior cruciate ligaments during cruciate or bi-cruciab ligamentsparing arthroplasty. Non-limiting examples of such systems may include at least one series of tibial inserts of equal size; the at least one series of tibial inserts having at least one set of tibial inserts of equal thickness may include at least two tibial inserts having different geometries in a posterior portion, the different geometries being configured to change the tension in the posterior cruciate ligament (PCL). The different geometries in the posterior portions of the tibial inserts are configured so as to allow the posterior cruciate ligament to be tensioned or loosened independently of the tibial insert thickness and/or size. By providing different posterior geometries for each insert within a set of a series, a surgeon may be provided with more flexibility in choosing an insert that satisfies stability requirements in a non-invasive manner.

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

(22) Date of filing of Application: 11/10/2012 (43) Publication Date: 29/01/2016

# (54) Title of the invention: PHYTOCANNABINOIDS IN THE TREATMENT OF CANCER •

(51) International classification :A61K
(31) Priority Document No :1004137.4
(32) Priority Date :12/03/2010
(33) Name of priority country :U.K.

(86) International Application No :PCT/GB2011/050487
Filing Date :11/03/2011

(87) International Publication No :WO 2011/110866

(61) Patent of Addition to Application
Number
Filing Date
:NA

(62) Divisional to Application Number :NA Filing Date :NA

1)GW PHARMA LIMITED

Address of Applicant : Porton Down Science

Address of Applicant :Porton Down Science Park Salisbury Wiltshire SP4 0JO U.K.

2)OTSUKA PHARMACEUTICAL CO. LIMITED

(72)Name of Inventor : 1)DANIELA PAROLARO 2)PAOLA MASSI

(71)Name of Applicant:

3)ANGELO ANTONIO IZZO 4)FRANCESCA BORELLI 5)GABRIELLA AVIELLO 6)VINCENZO DI MARZO

7)LUCIANO DEPETROCELLIS 8)ANIELLO SCHIANO MORIELLO

9)ALESSIA LIGRESTI

10) RUTH ALEXANDRA ROSS

11)LESLEY ANN FORD

12)SHARON ANAVI-GOFFER

13)MANUEL GUZMAN

14)GUILLERMO VELASCO 15)MAR LORENTE 16)SOFIA TORRES 17)TETSURO KIKUCHI 18)GEOFFREY GUY 19)COLIN STOTT

20)STEPHEN WRIGHT 21)ALAN SUTTON 22)DAVID POTTER

23)ETIENNE DE MEIJER

# (57) Abstract:

This invention relates to the use of phytocannabinoids, either in an isolated form or in the form of a botanical drug substance (BDS) in the treatment of cancer. Preferably the cancer to be treated is cancer of the prostate, cancer of the breast or cancer of the colon.

No. of Pages: 82 No. of Claims: 67

(21) Application No.10199/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/11/2015

(43) Publication Date: 29/01/2016

# (54) Title of the invention : METHOD AND SYSTEM FOR DETECTING A PORTABLE DIRECT RADIOGRAPHIC PANEL IN A MULTI STAND RADIOGRAPHIC EXPOSURE ROOM

<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>	:A61B6/00 :13179513.0 :07/08/2013 :EPO :PCT/EP2014/066808 :05/08/2014 :WO 2015/018824	(71)Name of Applicant:  1)AGFA HEALTHCARE  Address of Applicant :IP Department 3802 Septestraat 27 B  Mortsel 2640 Belgium (72)Name of Inventor:  1)GOVAERTS Wim  2)LIEVENS Geert
(87) International Publication No (61) Patent of Addition to Application Number	:WO 2015/018824 :NA	2)LIEVENS Geert
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

## (57) Abstract:

The invention relates to a method for detecting the presence of a portable direct radiographic panel in a medical imaging system comprising radiographic exposure stands each stand and each panel being provided with an NFC tag. The method comprises positioning a panel in an exposure stand such that the NFC tags of the panel and the stand are in each other s operating range detecting the presence of the panel in the exposure stand by a communication between these NFC tags and communicating the presence of the panel in the exposure stand to the medical imaging system.

No. of Pages: 22 No. of Claims: 10

(22) Date of filing of Application: 12/12/2012 (43) Publication Date: 29/01/2016

## (54) Title of the invention: THREADED CONNECTION AND PROCES FOR OBTAINING IT •

Number Filing Date  (62) Divisional to Application Number Filing Date  (83) Patent of Addition to Application SNA SNA SNA SINA SNA SNA SNA SNA SNA SNA SNA SNA SNA S	(32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number :N	10/02563 17/06/2010 France PCT/EP2011/002707 01/06/2011 WO/2011/157359 NA NA	CORPORATION (72)Name of Inventor: 1)GULL LAUME COEFFE
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## (57) Abstract:

A female component (1) for a tubular hydrocarbon working string subjected to dynamic bending strength comprising a tapered female threading (3) intended to cooperate with a male threading in order to form a rigid mutual connection of tubular elements, a free end and a female sealing surface (15) being disposed between the free end and the female threading, the female sealing surface (15) being provided in order to come into contact in the made up condition with a male sealing surface in order to form a metal-metal seal, and an annular groove (31) provided between the free end and the female sealing surface (15), leaving an axial distance greater than zero between the free end and a transition region outwardly of the female sealing surface, and a radial distance greater than zero between the female sealing surface and a chamfer at the free end, the groove (31) comprising a border formed by the chamfer and a border formed by a portion of the transition region, in order to protect the female sealing surface prior to makeup.

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

(22) Date of filing of Application :19/12/2012 (43) Publication Date : 29/01/2016

## (54) Title of the invention: HYDROPROCESSING CATALYSTS AND THEIR PRODUCTION •

		(71)Name of Applicant :
		1)EXXONMOBIL RESEARCH AND ENGINEERING
(51) International classification	:C07C	COMPANY
(31) Priority Document No	:61/350, 234	Address of Applicant :1545 Route 22 East P.O. Box 900
(32) Priority Date	:01/06/2010	Annandale New Jersey 08801-0900 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/US2011/038730	1)STUART J. SOLED
Filing Date	:01/06/2011	2)SABATO MISEO
(87) International Publication No	:WO/2011/153218	3)JOSEPH E. BAUMGARTNER
(61) Patent of Addition to Application	.NT A	4)IULIAN G. NISTOR
Number	:NA	5)PALLASSANA S. VENKATARAMAN
Filing Date	:NA	6)CHRIS E. KLIEWER
(62) Divisional to Application Number	:NA	7)ROBERT J. CHIMENTI
Filing Date	:NA	8)JAVIER GUZMAN
_		9)GORDON KENNEDY
		10)DORON LEVIN

#### (57) Abstract:

Described herein is a catalyst precursor composition comprising at least one metal from Group 6 of the Periodic Table of the Elements, at least one metal from Groups 8-10 of the Periodic Table of the Elements, and a reaction product formed from (i) a first organic compound containing at least one amine group and at least 10 carbon atoms or (ii) a second organic compound containing at least one carboxylic acid group and at least 10 carbon atoms, but not both, wherein the reaction product contains additional unsaturated carbon atoms, relative to the first or second organic compound, wherein the metals of the catalyst precursor composition are arranged in a crystal lattice, and wherein the reaction product is not located within the crystal lattice. A process for preparing the catalyst precursor composition is also described, as is sulfiding the catalyst precursor composition to form a hydroprocessing catalyst.

No. of Pages: 100 No. of Claims: 13

(21) Application No.8868/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :11/10/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: NANOPARTICLE ANTIREFLECTION LAYER

<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 Filing Date</li> </ul>	:G06Q :10159174.1 :06/04/2011 :EPO :PCT/EP2011/055323 :06/04/2011 :WO 2011/124594 :NA :NA :NA	(71)Name of Applicant:  1)STICHTING ENERGIEONDERZOEK CENTRUM NEDERLAND Address of Applicant: Westerduinweg 3 NL-1755 LE Petten Netherlands (72)Name of Inventor: 1)DE WAELE Rene 2)HEBBINK Maarten 3)POLMAN Albert
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#### (57) Abstract:

A thin-film broadband antireflection layer for use with an optical element or an optoelectronic device is described wherein the thin-film broadband antireflection layer comprises: at least a thin-film dielectric layer; and at least one array of nanoparticles disposed onto or in said thin-film dielectric layer wherein the dielectric constant of said nanoparticles is substantially distinct from distinct from the dielectric constant of said dielectric layer.

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

(21) Application No.5926/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/07/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: THIOL CURED ELASTOMERIC EPOXY RESINS

(51) International :C08G59/06,C08G59/66,C08G59/68 classification

(31) Priority Document No :61/745524 (32) Priority Date :21/12/2012

(33) Name of priority country:U.S.A. (86) International :PCT/US2013/076246

Application No :18/12/2013 Filing Date

(87) International Publication :WO 2014/100245

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA

Filing Date

(71)Name of Applicant:

1)DOW GLOBAL TECHNOLOGIES LLC

Address of Applicant :2040 Dow Center Midland MI 48674

(72) Name of Inventor:

1)KNIGHT Nicole 2) WILMOT Nathan 3)LATHAM Dwight D.

# (57) Abstract:

Elastomers are formed by curing a reaction mixture that includes an polyepoxide terminated polyether having a linear or branched polyether chain that has a molecular weight of at least 2000 at least two epoxide groups that has an epoxide equivalent weight of at least 400 2) a curing agent containing at least one polythiol compound having at least two thiol groups and an equivalent weight per thiol group of up to 500 and 3) at least one base catalyst.

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

(21) Application No.5928/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 29/01/2016

# (54) Title of the invention : COMPOSITION THERMOPLASTIC VULCANIZATES MADE THEREFROM AND ARTICLES FORMED FROM 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:23/12/2013 :WO 2014/100802 :NA :NA	(71)Name of Applicant:  1)DOW GLOBAL TECHNOLOGIES LLC Address of Applicant: 2040 Dow Center Midland MI 48674 U.S.A. (72)Name of Inventor: 1)WU Xiaosong 2)REGO Manu
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A composition comprising at least the following (A) an ethylene/a olefin copolymer; (B) an olefin based polymer; (C) a crosslinking agent; and (D) a multifunctional acrylate coagent; wherein the ethylene/a olefin copolymer of component A) has the following properties: (i) has a density from 0.855 to 0.875 g/cc; and (ii) a Mooney Viscosity (ML 1+4 121°C) from 10 to 100 is provided.

No. of Pages: 27 No. of Claims: 11

(21) Application No.5929/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: METHODS AND COMPOSTIONS FOR TREATMENT OF DEMYELINATING DISEASES

(51) International classification	:A61K31/137,A61P25/00,A61P35/00	(71)Name of Applicant: 1)PATHOLOGICA LLC
(31) Priority Document No	:61/750336	Address of Applicant: 1700 Owens Street Suite 515 San
(32) Priority Date	:08/01/2013	Francisco CA 94158 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor : 1)BLITZER Jeremy
(86) International Application No Filing Date	:PCT/US2014/010714 :08/01/2014	2)MCKEARN John
(87) International Publication No	:WO 2014/110154	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Disclosed herein are new oral pharmaceutical compositions of SAMDC inhibitors polyamine analogs and polyamine biosynthesis inhibitors and their application for the treatment of conditions including demyelinating diseases autoimmune disorders affecting the nervous system and other neurodegenerative conditions.

No. of Pages: 179 No. of Claims: 82

(22) Date of filing of Application: 12/10/2012 (43) Publication Date: 29/01/2016

## (54) Title of the invention: CONVEYOR ROLL WITH CENTRIFUGAL FORCE-OPERATED MAGNETIC BRAKE

<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>	:14/04/2011 :WO 2011/128102 :NA :NA	(71)Name of Applicant:  1)INTERROLL HOLDING AG  Address of Applicant: Via Gorelle 3 CH-6592 Sant Antonino Switzerland (72)Name of Inventor:  1)JEROME SEJOURNE
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A conveyor roller (lo), comprising a covering element (20), an axle element (40), and a magnetic brake (50) having a magnetic component (5 1) and a braking component (54) corresponding to the magnetic component (5 1), the covering element (20) being rotatably supported about an axis of rotation relative to the axle element (40), the magnetic brake (50) being kinematically provided between the axle element (40) and the covering element (20) and being connected to the axle element (40) and the covering element (20) such that a rotation of the covering element (20) about the axis of rotation can be retarded by the magnetic brake (50), wherein the magnetic component (51) and the braking component (54) are arranged displaceably relative to each other between a rest position and a braking position, and wherein further a centrifugal device (60) for a rotational speed-dependent displacement of at least one of the magnetic brake components (5 1, 54) is provided between the rest position and the braking position

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

(21) Application No.8886/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/10/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: ACTIVE COMPOUNDS COMBINATIONS •

<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>	:11/04/2011 :WO 2011/128297 :NA :NA	(71)Name of Applicant:  1)BAYER INTELLECTUAL PROPERTY GMBH Address of Applicant: Alfred-Nobel-Strasse 10 40789  Monheim Germany (72)Name of Inventor: 1)THOMAS SEITZ 2)RUTH MEISSNER 3)ULRIKE WACHENDORFF-NEUMANN
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to active compound combinations, in particular within a fungicide composition, which comprises (A) a dithino-tetracarboximide of formula (I) and at least one agriculturally beneficial biological control agent (B). Moreover, the invention relates to a method for curatively or preventively controlling the phytopathogenic fungi of plants or crops, to the use of a combination according to the invention for the treatment of seed, to a method for protecting a seed and not at 3 least to the treated seed.

No. of Pages: 49 No. of Claims: 13

(21) Application No.8888/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/10/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: IMAGE PROCESSING DEVICE; IMAGE PROCESSING METHOD AND PRGRAM •

<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> </ul>	:06/04/2011 :WO 2011/132373 :NA :NA	(71)Name of Applicant:  1)SONY CORPORATION  Address of Applicant:1-7-1 Konan Minato-ku Tokyo 108- 0075 Japan (72)Name of Inventor:  1)KOUICHI MATSUDA  2)MASAKI FUKUCHI
1 (01110 01		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method is provided for superimposing schedule data on a temporal measurement object. The method comprises receiving image data representing an input image. The method further comprises detecting the presence of a temporal measure-ment object in the input image based on features of the temporal measurement object detected in the image data. The method fur-ther comprises providing, in response to detection of the presence of the temporal measurement object in the input image, sched-ule data for superimposing on a users view of the temporal measurement object.

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

(22) Date of filing of Application :24/07/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: A NOVEL ARCHITECTURE OF MULTIWAVELET BASED ECG DETECTOR

(51) International classification	:G06K9/36	(71)Name of Applicant :
(31) Priority Document No	:NA	1)RAJIV KAPOOR
(32) Priority Date	:NA	Address of Applicant :TYPE-V, FLAT NO.3, DELHI
(33) Name of priority country	:NA	TECHNOLOGICAL UNIVERSITY, SHAHBAD,
(86) International Application No	:NA	DAULATPUR, BAWANA ROAD, DELHI-110042. Delhi India
Filing Date	:NA	2)MOLOVA PAUL
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)RAJIV KAPOOR
Filing Date	:NA	2)MILOVA PAUL
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention provides a system and method for detection of electrocardiogram (ECG) signals using multi- scaled products by employing the notion of multi-wavelets. The system consists of two parallel sections of wavelet filter banks which give rise to multi-input streams necessary for conversion of scalar to multi- wavelets. The system also exploits the function of multiplexer switches as path selectors to alternatively activate the needed processing path for detection. The design proposed has excellent precision and accuracy in detection of the features of ECG signals.

No. of Pages: 12 No. of Claims: 5

(21) Application No.7756/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/08/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: HEAD MOUNTED DISPLAY DEVICE CONTROL METHOD OF HEAD MOUNTED DISPLAY DEVICE AND DISPLAY SYSTEM

(51) International : H04N13/04, G06T15/50, G06T19/00

classification

(31) Priority Document No :2013063731 (32) Priority Date :26/03/2013 (33) Name of priority country: Japan

(86) International Application: PCT/JP2014/001464

No :14/03/2014 Filing Date

(87) International Publication :WO 2014/156033

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)SEIKO EPSON CORPORATION

Address of Applicant: 4 1 Nishi shinjuku 2 chome Shinjuku ku

Tokyo 1630811 Japan (72) Name of Inventor: 1)FUJIMAKI Yutaka 2)KANEKO Hideho 3)TAKANO Masahide

> 4)ARUGA Naoto 5)SENDAI Kaori

# (57) Abstract:

A head mounted display device that enables a user to visually recognize a virtual image and an external scene includes an image display unit that causes the user to visually recognize the virtual image and an augmented reality processing unit that forms on the image display unit the virtual image indicating a virtual object which is an object for providing augmented reality to the user and of which the user s visual discomfort is reduced.

No. of Pages: 140 No. of Claims: 24

(22) Date of filing of Application :28/08/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : USE OF DITHIINE TETRACARBOXIMIDES FOR CONTROLLING BACTERIAL HARMFUL ORGANISMS IN USEFUL PLANTS

(51) International classification :A01N43/90,A01P15/00 (71)Name of Applicant : (31) Priority Document No 1)BAYER CROPSCIENCE AKTIENGESELLSCHAFT :13158696.8 (32) Priority Date :12/03/2013 Address of Applicant : Alfred Nobel Str. 50 40789 Monheim (33) Name of priority country :EPO am Rhein Germany (86) International Application No :PCT/EP2014/054491 (72) Name of Inventor: Filing Date :07/03/2014 1)SEITZ Thomas (87) International Publication No :WO 2014/139897 2)BRAUN Christoph Andreas (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The present invention relates to the use of dithiine-tetracarboximides of formula (I) for controlling selected bacterial harmful organisms in useful plants, wherein the bacterial harmful organisms are selected from the group consisting of Acidovorax avenae, Burkholderia spec, Burkholderia glumae, Candidatus Liberibacter spec, Candidatus Liberibacter asiaticus, Corynebac terium, Erwinia spec. {Dickeya, Pectobacterium carotovorum, Erwinia amylovora), Pseudomonas syringae, Pseudomonas syringae pv. actinidae, Pseudomonas syringae pv. glycinea, Pseudomonas syringae pv. tomato, Pseudomonas syringae pv. lachrymans, Pseudomonas tumefaciens (=Agrobacterium tumefaciens), Streptomyces spp., Xanthomonas spp., Xanthomonas ampelina, Xanthomonas axonopodis, Xanthomonas axonopodis pv. citri, Xanthomonas axonopodis pv. glycines, Xanthomonas campestris, Xanthomonas campestris pv. musacearum, Xanthomonas campestris pv. pruni, Xanthomonas campestris pv. Viticola, Xanthomonas fragariae and Xanthomonas transluscens or Xylella fastidiosa. The present invention also relates to a method for controlling the selected bacterial harmful organisms in useful plants by treatment with a dithiine-tetracarboximides of formula (I).

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

(22) Date of filing of Application :12/10/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention : PUPIL-ONLY PHOTOCHROMIC CONTACT LENSES DISPLAYING DESIRABLE OPTICS AND COMFORT •

#### (57) Abstract:

A method for making a hydrogel, photochromic contact lens including supplying a first lens composition comprising a contact lens monomer and a photochromic material to a front contact lens mold and supplying a second lens composition to said contact lens mold where in the viscosity of said first composition is at least about 1000 cp greater than the viscosity of said second contact lens composition, and the makeup of said second composition matches the of said fest composition to reduce strain between said compositions of the resulting lens.

No. of Pages: 32 No. of Claims: 13

(21) Application No.8882/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/10/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: LIQUID RING PUMP AND METHOD AND FOR OPERATING A LIQUID RING PUMP •

<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>	:A63J :20105386 :14/04/2010 :Finland :PCT/FI2011/050276 :31/03/2011 :WO 2011/128502 :NA :NA	(71)Name of Applicant:  1)EVAC INTERNATIONAL OY Address of Applicant:Sinimentie 14 FI-02630 Espoo Finland (72)Name of Inventor: 1)VESA LAPPALAINEN
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a liquid ring pump (1) for generating vacuum and for pumping a flow of sewage in a vacuum sewage system. The liquid ring pump comprises in the direction of the flow of sewage a pump inlet (1 l), an inlet chamber (1 3), a pump housing (14) provided with a rotor (1 5) arranged on a drive shaft(16) provided with a mechanical seal (20), an outlet c.l chamber(17), and an pump outlet (19). The mechanical seal (20) is arranged within the outlet chamber (17). The outlet chamber 0 (1 7) is provided with an integrated extension (1 8) providing an enlargement of the outlet chamber (1 7) in order to retain the flow of sewage in the outlet chamber (17) before it is discharged from the pump outlet (19) in order to improve the lubrication of the 3 mechanical seal (20).

No. of Pages: 18 No. of Claims: 12

(21) Application No.10894/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 14/12/2012 (43) Publication Date: 29/01/2016

#### (54) Title of the invention: PRE CODING METHOD AND TRANSMITTER

:14/06/2011

(51) International classification :H04J99/00,H04B7/04,H04J11/00 (71)Name of Applicant :

(31) Priority Document No :2010138532 (32) Priority Date :17/06/2010

(33) Name of priority country :Japan

(86) International Application :PCT/JP2011/003384 No

Filing Date :WO 2011/158496

(87) International Publication

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to Application :NA Number :NA Filing Date

1)PANASONIC CORPORATION

Address of Applicant: 1006 Oaza Kadoma Kadoma shi Osaka

5718501 Japan

(72)Name of Inventor: 1)MURAKAMI Yutaka 2)KIMURA Tomohiro

3)OUCHI Mikihiro

#### (57) Abstract:

Disclosed is a transmission method which simultaneously transmits a first modulated signal and a second modulated signal at the same frequency wherein a pre coding weight multiplication unit multiplies a baseband signal after a first mapping and a baseband signal after a second mapping by a a pre coding weight and outputs the first modulated signal and the second modulated signal with the pre coding weight being changed regularly.

No. of Pages: 520 No. of Claims: 4

(22) Date of filing of Application :09/10/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: METHODS AND SYSTEMS FOR INFERRING AIRCRAFT PARAMETERS

#### (57) Abstract:

A method and system suitable for inferring trajectory predictor parameters of aircraft for the purpose of predicting aircraft trajectories. The i method and system involve receiving trajectory prediction information regarding an aircraft, and then using this information to infer (extract) trajectory predictor J ,, parameters of the aircraft that are otherwise unknown to a ground automation system. The trajectory predictor parameters can then be applied to one or more trajectory predictors of the ground automation system to predict a trajectory of the aircraft. In certain embodiments, the method and system can utilize available [ air-ground communication link capabilities, which may include data link capabilities available as part of trajectory-based operations (TBO).

No. of Pages: 27 No. of Claims: 18

(21) Application No.7781/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: ANTIBODY PURIFICATION BY CATION EXCHANGE CHROMATOGRAPHY

<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 Filed on</li> </ul>	:C07K16/06 :60/983,825 :30/10/2007 :U.S.A. :PCT/US2008/081516 :29/10/2008 :WO2009/058812 :NA :NA :2763/DELNP/2010 :21/04/2010	(71)Name of Applicant:  1)GENENTECH, INC.  Address of Applicant:1 DNA Way, South San Francisco, California 94080 (US) U.S.A. (72)Name of Inventor:  1)LEBRETON, Benedicte Andree 2)O'CONNOR, Deborah Ann 3)SAFTA, Aurelia 4)SHARMA, Mandakini
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#### (57) Abstract:

A method for purifying an antibody by cation exchange chromatography is described in which a high pH wash step is used to remove of contaminants prior to eluting the desired antibody using an elution buffer with increased conductivity. Fig.3

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

(21) Application No.7782/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date: 29/01/2016

#### (54) Title of the invention: SUPPLY CHUTE FOR SINTER MATERIAL

:24/02/2014

(51) International classification: F27B21/06,C22B1/20,C22B1/26 (71) Name of Applicant:

(31) Priority Document No :13157628.2 (32) Priority Date :04/03/2013

(33) Name of priority country :EPO

(86) International Application :PCT/EP2014/053500 No

Filing Date

(87) International Publication :WO 2014/135386

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)PRIMETALS TECHNOLOGIES AUSTRIA GMBH Address of Applicant: Turmstrasse 44 4031 Linz Austria

(72)Name of Inventor: 1)B-BERL Michaela

2)FEHRINGER Edmund 3)HATTINGER Stephan

4)LIST Stefan

#### (57) Abstract:

The present invention relates to a supply chute a system for supplying sinter material to a sinter cooler (26) and a method for supplying sinter material from a sinter belt to a sinter cooler (26). A flow of the sinter material (16) is input into the supply chute (1) in an input region (4) and the flow of sinter material (16) is concentrated by means of a concentrating device after being input. Then the flow is widened by means of a widening device. Then the widened flow of sinter material (16) optionally after passing through a device (24) for making the movement direction of the flow of sinter material (16) uniform passes through a segregation device (8 25) and is segregated while the widened flow of sinter material moves in the direction of the output region (5). After passing through the output region (5) the flow of sinter material (16) is supplied to the sinter cooler (26) wherein the horizontal main component B of the movement direction of the flow of sinter material is largely perpendicular to the horizontal main component A of the movement of sinter material by the sinter belt.

No. of Pages: 43 No. of Claims: 17

(19) INDIA

(22) Date of filing of Application :12/10/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: 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> <li>Number</li> </ul>	:17/03/2011 :WO 2011/113102 :NA	(71)Name of Applicant:  1)EKCO PATENT & IP HOLDINGS PTY LTD  Address of Applicant: 70 City Road Southbank Victoria 3006  Australia Australia (72)Name of Inventor:  1)KATSALIDIS Epaminondas
	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(21) Application No.8922/DELNP/2012 A

#### (57) Abstract:

Described herein is a panel (300) for use in forming a fabricated structure including one or more wall portions (302); and one or more structural portion (304) extending longitudinally adjacent a wall portion (302). The structural portion(s) (304) is configured to strengthen the fabricated structure in use. The wall portion (302) can include one or more secondary strengthening structures (308) that stiffen the wall portion. A panel assembly using the panel and fabricated structures are also described.

No. of Pages: 39 No. of Claims: 23

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

:NA

:NA

:NA

# (54) Title of the invention : DEVICE FOR AUTOMATIC ADJUSTMENT OF THE WORKING WIDTH OF A FIRST PLOUGH BODY IN ACCORDANCE WITH SUBSEQUENT PLOUGH BODIES VARIABLE WORKING WIDTH

:A01B15/14,F15B11/20 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)KVERNELAND GROUP OPERATIONS NORWAY AS :20130836 (32) Priority Date Address of Applicant :N 4355 Kvernaland Norway :17/06/2013 (33) Name of priority country (72)Name of Inventor: :Norway (86) International Application No :PCT/NO2014/050098 1)KRAGGERUD Per Gunnar Filing Date :11/06/2014 (87) International Publication No :WO 2014/204317 (61) Patent of Addition to Application :NA

(57) Abstract:

Filing Date

Filing Date

(62) Divisional to Application Number

Number

A device for automatically adjusting the working width of the first plough body (111) of a plough (1) in accordance with the variable working width of subsequent plough bodies (112 113) in which a first hydraulic cylinder (13) is arranged to displace a rear frame section (117) laterally relative to a front frame section (116) and a second hydraulic cylinder (14) is arranged to pivot the rear frame section (117) around a first vertical pivoting axis (119) in order thereby to adjust a transverse spacing of the plough bodies (111 112 113) by the plough bodies (111 112 113) pivoting around second vertical pivoting axes (115) wherein the first hydraulic cylinder (13) is a multi stage cylinder in which a first cylinder stage (131) forms a main lateral control and a second cylinder stage (132) forms an automatic working width control for the first plough body (111) the second cylinder stage (132) being in hydraulic fluid communication with the second hydraulic cylinder (14) in a master slave configuration the second cylinder stage (132) being the master or the slave depending on the moving direction of the cylinder stage (132) and the second hydraulic cylinder (14) correspondingly being the slave or the master and the piston diameters (D D) of the second cylinder stage (132) and the second hydraulic cylinder (14) being matched to each other so that an adjustment of the working width of the plough bodies (111 112 113) by the second hydraulic cylinder (14) provides a correction of the lateral displacement of the front frame section (116).

No. of Pages: 11 No. of Claims: 5

(21) Application No.7776/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

#### (54) Title of the invention: CLEANING COMPOSITIONS CONTAINING A POLYETHERAMINE

:C11D1/00,C11D1/44,C11D3/37 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)THE PROCTER & GAMBLE COMPANY :61/806231 (32) Priority Date :28/03/2013 Address of Applicant :One Procter & Gamble Plaza Cincinnati (33) Name of priority country :U.S.A. Ohio 45202 U.S.A. (86) International Application No:PCT/US2014/031939 (72) Name of Inventor: Filing Date 1)HULSKOTTER Frank :27/03/2014 (87) International Publication No: WO 2014/160820 2)SCIALLA Stefano (61) Patent of Addition to 3)LOUGHNANE Brian Joseph :NA **Application Number** 4)WAUN Amy Eichstadt :NA Filing Date 5)EBERT Sophia (62) Divisional to Application 6)LUDOLPH Bjoern :NA Number 7) WIGBERS Christof :NA Filing Date 8)MAAS Steffen

(57) Abstract:

The present invention relates generally to cleaning compositions and more specifically to cleaning compositions containing a polyetheramine that is suitable for removal of stains from soiled materials.

No. of Pages: 83 No. of Claims: 14

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : CLEANING COMPOSITIONS CONTAINING A POLYETHERAMINE A SOIL RELEASE POLYMER AND A CARBOXYMETHYLCELLULOSE

(51) International classification :C11D1/00,C11D1/44,C11D3/37

(31) Priority Document No:61/806231(32) Priority Date:28/03/2013(33) Name of priority country:U.S.A.

(86) International Application No:PCT/US2014/031941

Filing Date :27/03/2014

(87) International Publication No: WO 2014/160821

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to Application

NA

Number :NA

Filing Date

(71)Name of Applicant:

1)THE PROCTER & GAMBLE COMPANY

Address of Applicant :One Procter & Gamble Plaza Cincinnati

Ohio 45202 U.S.A. (72)Name of Inventor:

1)LOUGHNANE Brian Joseph

2)HULSKOTTER Frank

3)SCIALLA Stefano

4)BROOKER Alan Thomas

5)URE Colin 6)EBERT Sophia

7)LUDOLPH Bjoern 8)WIGBERS Christof

9)MAAS Steffen 10)BOECKH Dieter

11)EIDAMSHAUS Christian

#### (57) Abstract:

The present invention relates generally to cleaning compositions and more specifically to cleaning compositions containing a polyetheramine a soil release polymer and a carboxymethylceullulose which is suitable for removal of stains from soiled materials.

No. of Pages: 62 No. of Claims: 14

(21) Application No.7778/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: NEW COMPOUNDS

(51) International :A61P29/00,A61P35/00,A61K31/437

classification

(31) Priority Document No :1304527.3 (32) Priority Date :13/03/2013

(33) Name of priority :U.K.

country

(86) International :PCT/GB2014/050764 Application No

:13/03/2014 Filing Date

(87) International

:WO 2014/140591 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71) Name of Applicant:

1)PROXIMAGEN LIMITED

Address of Applicant: 3rd Floor 91 93 Farringdon Road

London EC1M 3LN U.K. (72) Name of Inventor: 1)PATIENT Lee

2)EVANS David 3)SIMPSON Iain 4)POWELL Allison

(57) Abstract:

The compound of formula (I) are inhibitors of SSAO activity (Formula (I)) wherein the terms Y Z W Rand Rare defined in the claims.

No. of Pages: 64 No. of Claims: 24

(21) Application No.7779/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : IMIDAZO[4 5 C]PYRIDINE AND PYRROLO[2 3 C]PYRIDINE DERIVATIVES AS SSAO INHIBITORS

(51) International

classification :C07D471/04,A61K31/437,A61P29/00

(31) Priority Document No :1304526.5 (32) Priority Date :13/03/2013

(33) Name of priority :U.K.

country

(86) International Application No :PCT/GB2014/050765

Filing Date :13/03/2014

(87) International Publication No :WO 2014/140592

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)PROXIMAGEN LIMITED

Address of Applicant :3rd Floor 91 93 Farringdon Road

London EC1M 3LN U.K. (72)Name of Inventor: 1)ESPENSEN Max 2)PATIENT Lee

3)EVANS David 4)SIMPSON Iain

5)SAVORY Edward

#### (57) Abstract:

The compounds of formula (I) are inhibitors of semicarbazide sensitive amine oxidase (SSAO) activity useful in the treatment of inflammation an inflammatory disease an immune or an autoimmune disorder or inhibition of tumour growth.

No. of Pages: 144 No. of Claims: 34

(21) Application No.8920/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/10/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: POLYURETHANE FOAM SCORCH INHIBITOR •

(51) International classification	:C08F	(71)Name of Applicant :
(31) Priority Document No	:12/726,950	1)VANDERBILT CHEMICALS, LLC
(32) Priority Date	:18/03/2010	Address of Applicant :30 Winfield Street Norwalk CT
(33) Name of priority country	:U.S.A.	06855 United States of America U.S.A.
(86) International Application No	:PCT/US2010/049975	(72)Name of Inventor:
Filing Date	:23/09/2010	1)DEMASSA John M.
(87) International Publication No	:WO 2011/115642	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A scorch inhibitor composition for polyurethane foams is composed of (a) one or more derivatized phenolic compounds in an amount of about 60-80% by weight; (b) one or more aromatic amines in the form of a liquid in an amount of about 15-35% by weight; (c) an alkyl-substituted hydroquinone in an amount of about 4-8% by weight and (d) phenothiazine at 0 to about 1.0% by weight.

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

(22) Date of filing of Application :11/10/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: ULTRASONIC FLOW METER WITH LIQUID DRAINAGE 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</li> </ul>	:22/03/2011 :WO 2011/119596	(71)Name of Applicant:  1)DANIEL MEASUREMENT AND CONTROL INC. Address of Applicant:11100 Brittmoore Drive Houston Texas 77041 U.S.A. (72)Name of Inventor: 1)CHARLES ROBERT ALLEN
(87) International Publication No		1)CHARLES ROBERT ALLEN

#### (57) Abstract:

An ultrasonic flow meter for measuring the flow of a fluid through a pipeline comprises a spool piece including a throughbore and a transducer port. The transducer port extends along a central axis fkom an open end at the throughbore to a closed end distal the throughbore. In addition, the flow meter comprises an acoustic transducer disposed in the transducer port. The transducer includes a piezoelectric element. Further, the flow meter comprises a drain port in fluid communication with the transducer port. The drain port is axially positioned between the open end and the closed end of the transducer port. Still further, the flow meter comprises a drain conduit having an inlet end coupled to the drain port and an outlet end opposite the inlet end. The drain port is configured to drain a liquid from the transducer port into the inlet end of the drain conduit.

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

(21) Application No.8852/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :11/10/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: USE OF BROWN MIDRIB CORN SILAGE IN BEEF TO REPLACE CORN •

<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>	:A23L :61/334,381 :13/05/2010 :U.S.A. :PCT/US2011/035837 :10/05/2011 :WO 2011/143157 :NA :NA	(71)Name of Applicant:  1)AGRIGENETICS INC.  Address of Applicant: 9330 Zionsville Rd Indianapolis Indiana 46268 U.S.A. (72)Name of Inventor:  1)KARL E. NESTOR JR.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

This disclosure concerns finishing rations for increasing the meat quantity of a silage-fed animal, and methods of using the same. In some embodiments, a corn silage produced from a corn variety exhibiting reduced lignin content (e.g., BMR corn) is used to replace conventional silage in a finishing ration. In some embodiments, corn silage produced from a corn variety exhibiting reduced lignin content (e.g., BMR corn) is used to replace grain corn in a finishing ration.

No. of Pages: 23 No. of Claims: 20

(21) Application No.9036/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 29/01/2016

# (54) Title of the invention : CO- ADMINISTRATION OF STEROIDS AND ZOLEDRONIC ACID TO PREVENT AND TREAT OSTEOARTHRITIS

(51) International classification :A61K31/12,A61K31/663,A61P19/02

(31) Priority Document No :13/791685 (32) Priority Date :08/03/2013

(33) Name of priority :U.S.A.

country

(86) International Application No :PCT/US2014/022169

Filing Date :07/03/2014

(87) International Publication No :WO 2014/138712

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)VOLTARRA PHARMACEUTICALS, INC.

Address of Applicant :116 Research Drive Bethlehem PA

18015 U.S.A.

(72)Name of Inventor: 1)DESAI Ketan

#### (57) Abstract:

A combination therapy for treating osteoarthritis is disclosed. The combination therapy includes the co-administration of a steroid and Zoledronic Acid. The coadministration of a steroid decreases the production of cytokines, and, therefore, de creases the proinflammatory effects of Zoledronic Acid. The co-administration of Zoledronic Acid with steroids treats osteoarthritis, and helps to prevent the onset of osteoarthritis in patients at risk for osteoarthritis.

No. of Pages: 19 No. of Claims: 29

(21) Application No.9037/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/10/2015 (43) Publication Date: 29/01/2016

#### (54) Title of the invention: COMPOSITIONS FOR USE IN TREATING EYE DISORDERS USING DIPYRIDAMOLE

(51) International :A61K31/505,A61K31/133,A61K31/445 classification

(31) Priority Document :225179

(32) Priority Date :12/03/2013

(33) Name of priority

country

(86) International

:PCT/IB2014/059645 Application No

:Israel

:11/03/2014 Filing Date

(87) International :WO 2014/141079 Publication No

(61) Patent of Addition :NA to Application Number :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71) Name of Applicant: 1)REMEDEYE INC

Address of Applicant: 109 Columbus Ave S. Lakewood New

Jersey 08701 U.S.A. (72)Name of Inventor: 1)ROGOSNITZKY Moshe

#### (57) Abstract:

The present invention discloses compositions for use in treating eye disorders, the compositions including an effective amount of a topically-administered dipyridamole. Preferably, the topically-administered dipyridamole is formulated as a solution. Preferably, the topically-administered dipyridamole is at least one agent selected from the group consisting of: dipyridamole, and a pharmaceuticallyacceptable salt thereof. Preferably, the effective amount corresponds to a concentration of at least about 10-5 molarity. Preferably, the effective amount is based on a treatment administration of at least once every other day.

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

(21) Application No.9038/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 29/01/2016

# (54) Title of the invention: PURINE DERIVATIVES AS CB2 RECEPTOR AGONISTS

(51) International :C07D473/16,C07D473/18,C07D473/34

classification

(31) Priority Document

:13166293.4

:PCT/EP2014/058545

(32) Priority Date

:02/05/2013

(33) Name of priority

:EPO country

(86) International Application No

:28/04/2014 Filing Date

(87) International

:WO 2014/177490 Publication No

:NA

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date (62) Divisional to :NA

**Application Number** Filing Date

(71)Name of Applicant:

1)F. HOFFMANN LA ROCHE AG

Address of Applicant: Grenzacherstrasse 124 CH 4070 Basel

Switzerland

(72) Name of Inventor:

1)BENDELS Stefanie 2) GRETHER Uwe

3)KIMBARA Atsushi

4) NETTEKOVEN Matthias

5)ROEVER Stephan

6)ROGERS EVANS Mark

7) SCHULZ GASCH Tanja

#### (57) Abstract:

The invention relates to a compound of formula (I) wherein A and R1 to R4 are defined as in the description and in the claims. The compound of formula (I) can be used as a medicament.

No. of Pages: 146 No. of Claims: 20

(21) Application No.9039/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application:01/10/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: PYRROLO[2, 3-D]PYRIMIDINE DERIVATIVES AS CB2 RECEPTOR AGONISTS

(51) International :C07D487/04,C07D519/00,A61K31/519 classification

(31) Priority Document

:13166296.7

(32) Priority Date

(33) Name of priority country

(86) International

Application No

Filing Date

(87) International

Publication No

(61) Patent of Addition to :NA **Application Number** 

Filing Date (62) Divisional to **Application Number** Filing Date

:PCT/EP2014/058648

:29/04/2014

:02/05/2013

:EPO

:WO 2014/177527

:NA

:NA

:NA

(71)Name of Applicant:

1)F. HOFFMANN LA ROCHE AG

Address of Applicant: Grenzacherstrasse 124 CH 4070 Basel

Switzerland

(72) Name of Inventor:

1)GRETHER Uwe

2)KIMBARA Atsushi

3)NETTEKOVEN Matthias

4)ROEVER Stephan

5)ROGERS EVANS Mark

6)SCHULZ GASCH Tanja

#### (57) Abstract:

The invention relates to a compound of formula (I) wherein A and R 1 to R3 are defined as in the description and in the claims. The compound of formula (I) can be used as a medicament.

No. of Pages: 56 No. of Claims: 18

(43) Publication Date: 29/01/2016

(21) Application No.8873/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application:12/10/2012

# (54) Title of the invention: HEMOSTATIC SPONGE •

<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>	:A47J :61/321,661 :07/04/2010 :U.S.A. :PCT/EP2011/055418 :07/04/2011 :WO 2011/124640 :NA :NA	(71)Name of Applicant:  1)BAXTER INTERNATIONAL INC.  Address of Applicant: One Baxter Parkway Deerfield Illinois 60015 U.S.A.  2)BAXTER HEALTHCARE S.A.  (72)Name of Inventor:  1)HANS CHRISTIAN HEDRICH  2)JORIS HOEFINGHOFF
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention provides a hemostatic porous composite sponge comprising i) a matrix of a biomaterial and 0 ii) one hydrophilic polymeric component comprising reactive groups wherein i) and ii) are associated with each other so that the reactivity of the polymeric component is retained, wherein associated means that - said polymeric component is coated onto a surface of said matrix of a biomaterial, or - said matrix is impregnated with said polymeric material, or - both.

No. of Pages: 37 No. of Claims: 17

(22) Date of filing of Application :12/10/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention : PROCESS FOR THE PREPARATION OF PYRROLINES FROM GAMMA-NITROKETONES. USE OF THE GAMMA-NITROKETONES AS PESTICIDAL AGENTS  $\bullet$ 

		(71)Name of Applicant:
<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 Filing Date</li> </ul>	:C07C :2010-092182 :13/04/2010 :Japan :PCT/EP2011/055639 :11/04/2011 :WO 2011/128299 :NA :NA :NA	1)BAYER INTELLECTUAL PROPERTY GMBH Address of Applicant :Alfred-Nobel-Str. 10 D 40789 Monheim Germany Germany (72)Name of Inventor : 1)AHMED WAHED MORADI

#### (57) Abstract:

The invention is directed to method for the preparation of pyrrolines of the general formula (I) by catalytic hydration of a nitroketone of the general formula (II) employing a transition metal catalyst and gaseous hydrogen at an elevated pressure in a solvent, optionally in the presence of at least one additive selected among Lewis acids, Br,nstedt acids, organic sulfur-containing compounds, organic or inorganic bases, and water scavengers, wherein in formulae (I) and (II) B1, B2, B3, B4, X, R, and T are as defined in the specification, and to a nitroketone of formula (II) to be used as intermediate in the process according to the invention and as pesticidal agent.

No. of Pages: 114 No. of Claims: 9

(21) Application No.8875/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/10/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: ACTIVE COMPOUND COMBINATIONS •

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (63) International Publication No Signature (10159906.6 (14)04/2010 (15) EPO (72) (72) (73) EVO 2011/128300 (74) Signature (10159906.6 (72) (74) Signature (10159906.6 (72) (72) (73) Signature (10159906.6 (74) Mor (72) (74) Signature (10159906.6 (72) Signature (10159906.6	Name of Applicant: BAYER CROPSCIENCE AG Address of Applicant: Alfred-Nobel-Strasse 50 40789 Inheim Germany Germany Name of Inventor: THOMAS SEITZ IUITIKE WACHENDORFF-NEUMANN PETER DAHMEN TOMOKI TSUCHIYA PIERRE CRISTAU PIERRE-YVES COQUERON PHILIPPE DESBORDES STEPHANIE GARY
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#### (57) Abstract:

The present invention relates to active compound combinations, in particular within a fungicide composition, which comprises (A) a dithiino-tetracarboximide of formula (I) and a metal salt (B). Moreover, the invention relates to a method for curatively or preventively controlling the phytopathogenic fungi of plants or crops, to the use of a combination according to 0 the invention for the treatment of seed, to a method for protecting a seed and not at least to the treated seed. In particular the com- 3 binations according to the invention are useful to obtain plants with greener leaf color.

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

(22) Date of filing of Application :01/10/2015 (43) Publication Date: 29/01/2016

#### (54) Title of the invention: TITANIUM SLAB FOR HOT ROLLING AND METHOD FOR MANUFACTURING SAME

(51) International classification: C23C26/00,B21B3/00,B22D21/06 (71) Name of Applicant:

:2013075886 (31) Priority Document No (32) Priority Date :01/04/2013

(33) Name of priority country :Japan

(86) International Application :PCT/JP2014/059663

No

:01/04/2014 Filing Date

(87) International Publication

:WO 2014/163089

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)NIPPON STEEL & SUMITOMO METAL

CORPORATION

Address of Applicant: 6 1 Marunouchi 2 chome Chiyoda ku

Tokyo 1008071 Japan

(72) Name of Inventor:

1)FUJII Hideki

2)KUNIEDA Tomonori 3)TATSUZAWA Yoshitsugu

4)MORI Kenichi

5)TAKAHASHI Kazuhiro

#### (57) Abstract:

A titanium slab for hot rolling, made from an industrial pure titanium, wherein a structural refinement layer comprising an acicular structure is present on the outermost surface of the surface representing the rolling surface, an inside structural refinement layer comprising an acicular structure is present on the inside of the structural refinement layer, and a casting solidification structure is present further inward from the inside structural refinement layer, the structural refinement layer being more refined than the inside structural refinement layer, the structural refinement layer being present at a depth in a range of 1 mm to less than 6 mm from the surface, and the inside structural refinement layer being present on the inside of the structural refinement layer and at a depth in a range of 3 mm to 20 mm from the surface.

No. of Pages: 87 No. of Claims: 21

(21) Application No.9053/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/10/2015 (43) Publication Date: 29/01/2016

#### (54) Title of the invention: CASE-HARDENING STEEL MATERIAL AND CASE -HARDENING STEEL MEMBER

(51) International :C22C38/00,C22C38/60,B22D11/00

classification (31) Priority Document No :2013087857

(32) Priority Date :18/04/2013 (33) Name of priority country: Japan

(86) International Application: PCT/JP2014/060800

No :16/04/2014

Filing Date

(87) International Publication :WO 2014/171472

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application:NA Number :NA Filing Date

(71)Name of Applicant:

1)NIPPON STEEL & SUMITOMO METAL

CORPORATION

Address of Applicant: 6 1 Marunouchi 2 chome Chiyoda ku

Tokyo 1008071 Japan (72) Name of Inventor: 1)KUBOTA Manabu 2)KOZAWA Shuji

(57) Abstract:

A case-hardening steel material has such a property that the predicted value the largest diameter ( $\sqrt{\text{area}}$ )s of sulfide-type inclusions that exist in a predicted area (S) is 49  $\mu\pi$ i or less and the predicted value of the largest diameter ( $\sqrt{area}$ ) of oxide-type inclusions that exist i n the predicted area (S>) i s 80  $\mu\pi$ i or less wherein the predicted area (S) i s 30000 m m2 in the inclusion rating employing an extreme value statistic method, and also has such a property that the number of sulfide-type inclusions each having a length of more than 20  $\pi$ i nd a thickness of more than 2  $\mu\mu\pi$ i is limited to 200 per 1 m m 2.

No. of Pages: 56 No. of Claims: 9

(22) Date of filing of Application :11/10/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention : IMPROVED THERMAL UNIFORMITY FOR THERMAL CYCLER INSTRUMENTATION USING DYNAMIC CONTROL

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	C08F 61/322,529 09/04/2010 U.S.A. PCT/US2011/031750 08/04/2011 WO 2011/127386 NA NA	(71)Name of Applicant:  1)LIFE TECHNOLOGIES CORPORATION Address of Applicant:5791 Van Allen Way Carlsbad CA 92008 U.S.A. (72)Name of Inventor: 1)CONNER Thomas A. 2)LIM Chee Kiong 3)PALLAS Michael C. 4)CHING Chee Wee
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#### (57) Abstract:

A method for performing polymerase chain reactions (PCR) for improving thermal non-uniformity is provided. The method includes measuring a first temperature by a first sensor of a first sample block sector of a sample block and measuring a second temperature by a second sensor of a second sample block sector of the sample block that is adjacent to the first sample block sector. The method further includes calculating by a thermoelectric controller a difference in temperature between the first temperature and the second temperature and adjusting by the thermoelectric controller the first temperature of the first sample block sector based on the difference in temperature by using one or more thermoelectric coolers. The one or more thermoelectric coolers is configured to heat or cool the first sample block sector by adjusting power output from the thermoelectric controller.

No. of Pages: 53 No. of Claims: 20

(21) Application No.9040/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/10/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: PHENOXYETHYL DIHYDRO -1H -ISOQUINOLINE COMPOUNDS

(51) International :C07D217/26,A61K31/472,A61P29/00 classification

(31) Priority Document No :61/824436

(32) Priority Date :17/05/2013 (33) Name of priority :U.S.A.

country

(86) International :PCT/US2014/037416

Application No :09/05/2014 Filing Date

(87) International :WO 2014/186218 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to

:NA **Application Number** :NA Filing Date

(71) Name of Applicant:

1)ELI LILLY AND COMPANY

Address of Applicant :Lilly Corporate Center Indianapolis

Indiana 46285 U.S.A. (72)Name of Inventor:

1)YORK Jeremy Schulenburg

#### (57) Abstract:

The present invention provides a compound of the Formula I: wherein R is H or F; or a pharmaceutically acceptable salt thereof.

No. of Pages: 28 No. of Claims: 14

(21) Application No.9041/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: CLEANING DEVICE WITH KITE TAIL SWAB

<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 Filing Date</li> </ul>	:61/773284 :06/03/2013 :U.S.A.	(71)Name of Applicant:  1)FOAMTEC INTERNATIONAL CO. LTD.  Address of Applicant:1621 Ord Way Oceanside California 92056 U.S.A. (72)Name of Inventor:  1)PISACANE Ferdinand Frederick
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#### (57) Abstract:

A cleaning device, especially an instrument cleaning device, having a thin, flexible threadlike object with a first straight end and a second looped end and a swab member attached to the looped end.

No. of Pages: 20 No. of Claims: 23

(21) Application No.9042/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 29/01/2016

#### (54) Title of the invention: POLYMER NANOCOMPOSITES

(51) International :C08K3/04,B82Y30/00,B82Y40/00

classification :C08K3/04,B6
(31) Priority Document No :61/787402

(31) Priority Document No :61/787402 (32) Priority Date :15/03/2013 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2014/028432

No :14/03/2014 Filing Date

(87) International Publication WO 2014/1441

(87) International Fublication :WO 2014/144144

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to Application
Number
:NA

Filing Date

(71)Name of Applicant:

1)XOLVE INC.

Address of Applicant :1600 Aspen Commons #101 Middleton

Wisconsin 53562 U.S.A. (72)Name of Inventor:
1)CLAUSS Allen David

2)KOTH Brian Jeffrey 3)PAN Guiquan

4)WIETFELDT Nicholas Richard

5)HALL Matthew Clayton

(57) Abstract:

Provided herein is technology relating to polymer nanocomposites, and particularly, but not exclusively, to polymer nanocomposites comprising two or more nanomaterials and methods of producing nanocomposites comprising two or more nanomaterials.

No. of Pages: 45 No. of Claims: 32

(21) Application No.9043/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: POLYMER -GRAPHENE NANOCOMPOSITES

(51) International :C08K3/04,B82Y30/00,B82Y40/00

classification .CU6K3/04,B

(31) Priority Document No :61/787407 (32) Priority Date :15/03/2013 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2014/028425

No :14/03/2014

Filing Date

(87) International Publication :WO 2014/144139

(61) Patent of Addition to Application Number :NA

Application Number :NA
Filing Date :NA
(62) Divisional to Application

(62) Divisional to Application
Number: NA:
NA:

Filing Date

(71)Name of Applicant:

1)XOLVE INC.

Address of Applicant :1600 Aspen Commons #101 Middleton

Wisconsin 53562 U.S.A. (72)Name of Inventor:
1)CLAUSS Allen David

2)PAN Guiquan

3)WIETFELDT Nicholas Richard

4)HALL Matthew Clayton

5)TAFT David D.

(57) Abstract:

Provided herein is technology relating to polymer-graphene nanocomposites and particularly, but not exclusively, to methods for producing polymer-graphene nanocomposites using master batches comprising graphene and a polymer or polymer pre cursor. The resulting polymer-graphene nanocomposites comprise a high degree of exfoliation and dispersion of graphene nanoplatelets within the polymer matrix

No. of Pages: 45 No. of Claims: 43

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 29/01/2016

#### (54) Title of the invention: RODENTS WITH CONDITIONAL ACVRI MUTANT ALLELES

(51) International classification :A01K67/027, (31) Priority Document No :61/778814 (32) Priority Date :13/03/2013 (33) Name of priority country :U.S.A.

(86) International Application No
Filing Date

(87) International Publication No

SOLS: A:

PCT/US2014/026582

:13/03/2014

:WO 2014/160429

(61) Patent of Addition to Application
Number
Filing Date
(62) Divisional to Application Number
Filing Date
:NA
Filing Date
:NA

:A01K67/027,C12N15/85 (71)Name of Applicant :

1)REGENERON PHARMACEUTICALS INC. Address of Applicant :777 Old Saw Mill River Road

Tarrytown New York 10591 6707 U.S.A.

(72)Name of Inventor:
1)ECONOMIDES Aris N.
2)HATSELL Sarah Jane

#### (57) Abstract:

A genetically modified mouse is provided that comprises a conditional Acvrl allele that comprises a mutated exon that, upon induction, converts to a mutant exon phenotype, wherein the mutant exon phenotype includes ectopic bone formation. Mice comprising a mutant Acvrl exon 5 in antisense orientation, flanked by site-specific recombinase recognition sites, are provided, wherein the mice further comprise a site-specific recombinase that recognizes the site-specific recombinase recognitions sites, wherein the recombinase is induced upon exposure of the mouse to tamoxifen. Upon exposure to tamoxifen, the recombinase is expressed and acts on the RRS-flanked mutant exon 5 and places the mutant exon 5 in sense orientation and deletes the wild-type exon

No. of Pages: 34 No. of Claims: 7

(21) Application No.8890/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/10/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention : SYSTEMS AND METHODS FOR PATIENT-BASED COMPUTER ASSISTED SURGICAL PROCEDURES $\bullet$

<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 Filing Date</li> </ul>	:A47J :61/324, 207 :14/04/2010 :U.S.A. :PCT/US2011/032573 :14/04/2011 :WO 2011/130567 :NA :NA	(71)Name of Applicant:  1)SMITH & NEPHEW INC.  Address of Applicant:7135 Goodlett Farms Parkway  Cordova TN 38016 U.S.A.  (72)Name of Inventor:  1)MICHAEL DEAN HUGHES  2)JEFFREY A. SHARP
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#### (57) Abstract:

Surgical systems and methods are disclosed for creating a 3D model of a patients affected area using an imaging device, using the model to determine an implant orientation and position, creating patientmatched instrumentation, placing the patient-matched instrumentation on the patients anatomy, registering a computer-assisted surgical tool, and acquiring registration information. The methods and systems also include associating the surgical tool with a computer to perform a computer assisted surgery. Also disclosed are embodiments of patient-matched instrumentation to acquire registration information.

No. of Pages: 84 No. of Claims: 40

(21) Application No.8891/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/10/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: DERIVATIVES OF 1-AMINO-2-CYCLOPROPYLETHYLBORONIC ACID •

<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 Filing Date</li> </ul>	:C07C :61/319,464 :31/03/2010 :U.S.A. :PCT/US2011/030455 :30/03/2011 :WO 2011/123502 :NA :NA :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)MILLENNIUM PHARMACEUTICALS INC Address of Applicant: 40 Landsdowne Street Cambridge MA</li> <li>02139 U.S.A.</li> <li>(72)Name of Inventor:</li> <li>1)PAUL E. FLEMING</li> <li>2)JING LI</li> </ul>
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#### (57) Abstract:

The present invention provides novel compounds useful as proteasome inhibitors. The invention also provides pharmaceutical compositions comprising the compounds of the invention and methods of using the compositions in the treatment of various diseases.

No. of Pages: 72 No. of Claims: 27

(21) Application No.9064/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : OLIGOSACCHARIDE COMPOSITIONS, GLYCOPROTEINS AND METHODS TO PRODUCE THE SAME IN PROKARYOTES

(51) International classification (31) Priority Document No	:C12P19/18,C12P21/00,C12N1/21 :61/785586	(71)Name of Applicant: 1)GLYCOBIA INC.
(32) Priority Date	:14/03/2013	Address of Applicant :410 Weill Hall Mcgovern Center Ithaca
(33) Name of priority country	:U.S.A.	NY 14853 U.S.A.
(86) International Application No Filing Date (87) International Publication No	:PCT/US2014/026990 :14/03/2014 :WO 2014/152137	2)FISHER, Adam, C. 3)MERRITT, Judith, H. 4)HAMILTON, Brian, S. 5)VALDERRAMA-RINCO, Juan, D.
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	6)DELISA, Metthew, P. (72)Name of Inventor: 1)FISHER Adam C. 2)MERRITT Judith H. 3)HAMILTON Brian S. 4)VALDERRAMA RINCO Juan D. 5)DELISA Metthew P.

#### (57) Abstract:

Disclosed are methods and compositions to produce various oligosaccharide compositions and glycoproteins. Prokaryotic hosts cells are cultured under conditions effective to produce human like e.g., high- mannose, hybrid and complex glycosylation patterns by introducing glycosylation pathways into the host cells.

No. of Pages: 123 No. of Claims: 70

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : DEVICE FOR CONTROLLING THE SPEED OF A SPACEPLANE DURING THE TRANSITION FROM A PHASE OF SPACE FLIGHT TO A PHASE OF AERONAUTICAL FLIGHT AND ASSOCIATED TRANSITION 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></ul>	:B64C9/32,B64G1/14,B64C25/16 :1353088 :05/04/2013 :France	(71)Name of Applicant:  1)AIRBUS DEFENCE AND SPACE SAS  Address of Applicant:51 61 Route de Verneuil F 78130 Les  Mureaux France
(86) International Application No Filing Date (87) International Publication No	:PCT/EP2014/056349 :28/03/2014 :WO 2014/161794	<ul> <li>(72)Name of Inventor:</li> <li>1)FERREIRA Eugnio</li> <li>2)SANTERRE Anglique</li> <li>3)FAURE Benjamin</li> <li>4)CHEVROLLIER Samuel</li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	5)PARPAITE Pierre 6)FAVRE Christophe
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A spaceplane (10) suitable for aeronautical flight comprising a body and a wing (15) defining a lower airfoil surface in addition to attitude control means that comprise one or a plurality of shutters (11) disposed under he lower airfoil surface of same and manoeuvrable between a stowed position and an inclined extended position for aerodynamic braking during he transition from a phase of space flight to a phase of aeronautical flight of the aircraft.

No. of Pages: 24 No. of Claims: 17

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

(43) Publication Date: 29/01/2016

# (54) Title of the invention : METHODS AND COMPOSITIONS FOR INTEGRATION OF AN EXOGENOUS SEQUENCE WITHIN THE GENOME OF PLANTS

<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 Filing Date</li> </ul>	:A01H1/00 :61/809097 :05/04/2013 :U.S.A. :PCT/US2014/032706 :02/04/2014 :WO 2014/165612 :NA :NA :NA	(71)Name of Applicant:  1)DOW AGROSCIENCES LLC Address of Applicant:9330 Zionsville Road Indianapolis Indiana 46268 U.S.A.  2)SANGAMO BIOSCIENCES INC. (72)Name of Inventor: 1)AINLEY W. Michael 2)GUSCHIN Dmitry Y. 3)HAYDEN Matthew 4)ISENEGGER Daniel 5)MASON John 6)MILLER Jeffrey C. 7)PETOLINO Joseph F. 8)RAN Yidong 9)SAWBRIDGE Tim 10)SPANGENBERG German 11)WEBB Steven R.
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#### (57) Abstract:

Disclosed herein are methods and compositions for parallel or sequential transgene stacking in plants to produce plants with selected phenotypes. The present disclosure provides methods and compositions for precision transformation ,gene targeting, targeted genomic modification and protein expression in plants. In particular , the present disclosure describes a novel , transgenic marker- free strategy for integrating an exogenous sequence and to stack traits that exploit differential selection at an endogenous locus e.g. , the acetohydroxyacid synthase (AHAS) locus) in plant genomes.

No. of Pages: 321 No. of Claims: 41

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: TRANSMISSION ARRANGEMENT FOR A SURGICAL 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 Filing Date</li> </ul>	:A61B17/072 :61/812365 :16/04/2013 :U.S.A. :PCT/US2014/033897 :12/04/2014	(71)Name of Applicant:  1)ETHICON ENDO SURGERY INC.  Address of Applicant: 4545 Creek Road Cincinnati Ohio 45242 U.S.A.  (72)Name of Inventor:  1)PARIHAR Shailendra K.
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:WO 2014/172212 :NA :NA	2)KIMSEY John S. 3)KOCH Robert L. Jr. 4)NALAGATLA Anil K. 5)NGUYEN Anthony T.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A drive system for a surgical instrument is disclosed. The system can comprise a drive assembly, a first output assembly, and a second output assembly. The drive assembly can be coupled to a motor, and can operably transmit a force from the motor to the first output assembly and/or the second output assembly. The drive system can further comprise a shifter assembly, which can shift engagement of the drive assembly between the first output assembly and the second output assembly. A spring loaded latch for releasably securing a drive member of n handle to a drive member socket of a coupling arrangement in a surgical end effector is also disclosed.

No. of Pages: 249 No. of Claims: 26

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

(43) Publication Date: 29/01/2016

# (54) Title of the invention : EYEDROPPER WITH IMPROVED STABILITY AND METHOD OF ADMINISTERING A LIQUID ONTO THE SURFACE OF THE EYE

<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 Filing Date</li> </ul>	:03/04/2014 :WO 2014/165664 :NA :NA	(71)Name of Applicant:  1)BULLSEYE DROPPER LLC  Address of Applicant:632 Russell Street Covington KY 41011 U.S.A.  (72)Name of Inventor:  1)BEHAN Robert James
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An eyedropper (2, 102) having improved stability is provided for administering a volume of liquid onto the surface of an eye (57). The eyedropper (2, 102) includes a body (4, 104) having a reservoir body (18, 118), a first foot (14, 114), a second foot (16,116), and a nozzle (26, 126). The nozzle (26, 126) is influid communication with the internal cavity (24, 124) of the reservoir body (18, 118) and projecting from an outer surface (20, 120) of the reservoir body (18, 118) between the first and second feet (14, 16, 114, 116) are separated by a distance that is at least equal to the height of the eyedropper (2, 102). In preferred embodiments, the distance between the first and second feet (14, 16, 114, 116) is greater than the height of the reservoir body (18,118).

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

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: RACK GUIDE DEVICE AND STEERING APPARATUS INCLUDING SAME

(51) International classification	:B62D3/12	(71)Name of Applicant:
(31) Priority Document No	:2013076311	1)JTEKT CORPORATION
(32) Priority Date	:01/04/2013	Address of Applicant :5 8 Minamisemba 3 chome Chuo ku
(33) Name of priority country	:Japan	Osaka shi Osaka 5428502 Japan
(86) International Application No	:PCT/JP2014/059401	(72)Name of Inventor:
Filing Date	:31/03/2014	1)TAENAKA Makoto
(87) International Publication No	:WO 2014/163029	2)SUMIHARA Hidetoshi
(61) Patent of Addition to Application	:NA	3)WATANABE Kazuhiro
Number	:NA	4)TAKAKI Yasuto
Filing Date	.1171	5)MIYANO Tetsuji
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A rack guide device i s provided with a rack guide (18), a sealing member (20), at least one disc spring (22), and a holding member (24). The rack guide (18) i s housed in a housing portion (16) formed in a housing (17), through which a rack shaft (8)meshing with a pinion shaft (7) i s inserted, so as t o be movable forward and backward with respect t o the rack shaft (8) side, and supports the rack shaft (8) slidably in the axial direction o f the rack shaft (8). The sealing member (20) is secured to an external opening end (19) provided on the opposite side to the rack shaft (8) side in the housing portion (16). The discspring (22) i s interposed between the sealing member(20) and the rack guide (18) and biases the rack guide(18) t o the rack shaft (8) side. The holding member (24) holds the disc spring (22), and i s held by being directly or indirectly frictionally engaged with the rack guide (18) or the sealing member (20).

No. of Pages: 86 No. of Claims: 13

(21) Application No.9056/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/10/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: POWERED SURGICAL STAPLER

:A61B17/072,A61B17/115 (71)Name of Applicant : (51) International classification

(31) Priority Document No :61/812365 (32) Priority Date :16/04/2013 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2014/033899

Filing Date :12/04/2014 (87) International Publication No :WO 2014/172214

(61) Patent of Addition to Application :NA Number :NA Filing Date

(62) Divisional to Application Number: NA Filing Date :NA

1)ETHICON ENDO SURGERY INC.

Address of Applicant: 4545 Creek Road Cincinnati Ohio

45242 U.S.A.

(72) Name of Inventor:

1)PARIHAR Shailendra K. 2)KOCH JR. Robert L. 3)BAXTER III Chester O. 4) SHELTON IV Frederick E.

#### (57) Abstract:

A surgical instrument can comprise a handle, a motor, and a shaft extending from the handle. The handle and/or the shaft can define a longitudinal axis. The surgical instrument can further comprise a fastener cartridge comprising a plurality of fasteners removably stored therein, an anvil configured to deform the fasteners, a closure drive configured to move the anvil toward and away from the fastener cartridge which is rotatable about the longitudinal axis, and a firing drive configured to deploy the fasteners from the fastener cartridge which is rotatable about the longitudinal axis. The surgical instrument can further comprise a transmission comprising a first operating configuration which connects the motor to the closure drive and a second operating configuration which connects the motor to the firing drive.

No. of Pages: 249 No. of Claims: 19

(22) Date of filing of Application :01/10/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: ELECTROMAGNETIC FIELD CONFINEMENT

(51) International classification :H02J7/00,H01F27/36,H01F5/00 (71)Name of Applicant :

(31) Priority Document No :608759 (32) Priority Date :27/03/2013

(33) Name of priority country :New Zealand

(86) International Application No:PCT/NZ2014/000054

Filing Date :27/03/2014

(87) International Publication No: WO 2014/158034

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number

:NA Filing Date

1)AUCKLAND UNISERVICES LIMITED

Address of Applicant :Level 10 70 Symonds Street Auckland

1010 New Zealand

2) COVIC, Grant, Anthony 3)BOYS, John, Talbot (72)Name of Inventor: 1)COVIC Grant Anthony

2)BOYS John Talbot

#### (57) Abstract:

The present application invention relates to the control of electromagnetic fields. It has particular relevance to magnetic flux coupling apparatus such as inductive power transfer pads for wireless power transfer systems. There is provided a magetic flux coupling apparatus comprising a coil for generating or receiving magnetic coupling flux and a leakage flux element comprising material of a relatively high magnetic permeability. The leakage flux element is separated from the coil by a region of relatively low magnetic permeability and positioned to provide a controlled path for leakage flux independent of coupling flux. There is provided an electromagnetic wave absorber comprising a high permeability magnetic material arranged in a first layer; and a conductive or low permeability material arranged in a second layer

No. of Pages: 44 No. of Claims: 27

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: METHODS FOR PREDICTING RISK OF METASTASIS IN CUTANEOUS MELANOMA

<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>	:C12Q1/68 :61/783755 :14/03/2013 :U.S.A. :PCT/US2014/019326 :28/02/2014 :WO 2014/158696 :NA :NA	(71)Name of Applicant:  1)CASTLE BIOSCIENCES INC. Address of Applicant: 2014 San Miguel Drive Friendswood TX 77546 U.S.A. (72)Name of Inventor: 1)COOK Robert Willis 2)MAETZOLD Derek 3)OESCHLAGER Kristen
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#### (57) Abstract:

The invention as disclosed herein in encompasses a method for predicting the risk of metastasis of a primary cutaneous melanoma tumor, the method encompassing measuring the gene-expression levels of at least eight genes selected from a specific gene set in a sample taken from the primary cutaneous melanoma tumor; determining a gene-expression profile signature from the gene expression levels of the at least eight genes; comparing the gene-expression profile to the gene-expression profile of a predictive training set; and providing an indication as to whether the primary cutaneous melanoma tumor is a certain class of metastasis or treatment risk when the gene expression profile indicates that expression levels of at least eight genes are altered in a predictive manner as compared to the gene expression profile of the predictive training set.

No. of Pages: 61 No. of Claims: 18

(22) Date of filing of Application :01/10/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: METAL ORGANIC FRAMEWORK, PRODUCTION AND USE THEREOF

(51) International

:C30B29/58,B01D53/02,B01D53/14

classification

(31) Priority Document No (32) Priority Date

:61/776223 :11/03/2013

(33) Name of priority country: U.S.A.

:NA

:NA

:NA

(86) International Application: PCT/CA2014/000204

Filing Date

:11/03/2014

(87) International Publication :WO 2014/138878

(61) Patent of Addition to :NA

**Application Number** Filing Date

(62) Divisional to

**Application Number** Filing Date

(71)Name of Applicant:

1)UTI LIMITED PARTNERSHIP

Address of Applicant: 3553 31 Street NW Calgary Alberta

T2L 2K7 Canada

(72) Name of Inventor:

1)SHIMIZU George

2) VAIDHYANATHAN Ramanathan

3) IREMONGER Simon

4)DEAKIN Kyle

5)LIN Jian Bin

6)DAWSON Karl W.

# (57) Abstract:

Metal-organic framework (MOF) materials particularly useful for adsorbing C0 2. More specifically the MOF has pores and comprises zinc ions, oxalate, and a cycloazocarbyl compound. A preferred cycloazocarbyl compound is 1,2,4- triazolate. Methods for making the porous MOH and methods for using the porous MOH for adsorbing C0 2

No. of Pages: 36 No. of Claims: 50

(21) Application No.9049/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: PHARMACEUTICAL CYCLOSPORIN COMPOSITIONS •

(51) International classification	:A61K9/00	(71)Name of Applicant:
(31) Priority Document No	:60/907,490	1)SIGMOID PHARMA LIMITED
(32) Priority Date	:04/04/2007	Address of Applicant :Invent Centre, Dublin City University,
(33) Name of priority country	:U.S.A.	Dublin 9, Ireland Ireland
(86) International Application No	:PCT/IE2008/000038	(72)Name of Inventor:
Filing Date	:04/04/2008	1)COULTER, Ivan
(87) International Publication No	:wo 2008/122965	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:6472/DELNP/2009	
Filed on	:09/10/2009	

# (57) Abstract:

An oral cyclosporin composition comprises minicapsules having a core containing a cyclosporin, especially cyclosporin A in a solubilised liquid form. The minicapsules have a release profile to release the pre-solubilised cyclosporin, at least in the colon. The composition may be used for treating a range of intestinal diseases.

No. of Pages: 51 No. of Claims: 39

(21) Application No.9050/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: PLANT-BASED COMPOSITIONS AND USES THEREOF

:NA

:NA

(51) International classification :C02F1/00,E21B43/26,C09K8/68 (71)Name of Applicant: (31) Priority Document No :61/798422 1)GREENSTRACT LLC (32) Priority Date :15/03/2013 Address of Applicant :315 Madison Ave. #3025 Third Floor (33) Name of priority country New York New York 10017 U.S.A. :U.S.A. (86) International Application (72)Name of Inventor: :PCT/US2014/029711 No 1)REHAGE Peter :14/03/2014 Filing Date (87) International Publication :WO 2014/145057 (61) Patent of Addition to :NA **Application Number** :NA Filing Date

#### (57) Abstract:

Filing Date

Number

(62) Divisional to Application

Compositions comprise plant material and methods for using the same. The methods include extracting or removing a substance from a substrate, or remediating a substrate from a substance. The substance can comprise a hydrocarbon-containing substance, a protein, lipid, wax, fatty acid or fatty alcohol, grease, fat, oil or a combination thereof. Aqueous compositions comprise: about 1 wt% to about 50 wt% of plant material; 0% to about 20 wt% of a polysaccharide; 0% to about 10 wt% of an alcohol; 0% to about 25 wt% of a base; 0% to about 30 wt% of a salt; 0% to about 10 wt% of an acid; 0% to about 30 wt% of an additive; 0% to about 30 wt% of a sugar; and about 10 wt% to about 95 wt% of water; a pH of from about 9 to about 13. The plant material is hemp seed, soybean, or combinations thereof.

No. of Pages: 213 No. of Claims: 42

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: RIGID, HINGED-LID, SLIDE-OPEN PACKET OF CIGARETTES

<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>	:B65D85/10 :BO2013A000133 :28/03/2013 :Italy :PCT/IB2014/060277 :28/03/2014 :WO 2014/155361 :NA :NA	(71)Name of Applicant:  1)G.D SOCIETA PER AZIONI Address of Applicant: Via Battindarno 91 Bologna Italy (72)Name of Inventor: 1)SPIRITO Gilberto 2)GHINI Marco 3)NEGRINI Stefano
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A rigid, hinged-lid, slide-open packet (1) of cigarettes having:a package (2) defined by a wrapped group of cigarettes; an inner container (3) housing the package (2); an outer container (4) housing the inner container (3) in sliding manner (4); a lid (6) hinged to the inner container (3) along a hinge (7) to rotate with respect to the inner container (3), and a connecting tab (21) connecting a rear wall of the lid (6) mechanically to a rear wall of the outer container (4), A rear wall (10) of the inner container (3) has a top appendix (20), which is connected to the rear wall (10) of the inner container (3) by the hinge (7), and is glued to the rear wall (13) of the lid (6); and the rear wall (13) of the lid (6) is connected to the rear wall (18) of the outer container (4) solely by the connecting tab (21).

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

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

(43) Publication Date: 29/01/2016

# (54) Title of the invention : A PROKARYOTIC TYPE ISOCITRATE DEHYDROGENASE AND ITS APPLICATION FOR IMPROVING NITROGEN UTILIZATION IN TRANSGENIC PLANTS

(51) International classification	:A01H5/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)IOWA CORN PROMOTION BOARD
(32) Priority Date	:NA	Address of Applicant :5505 NW 88th Street Suite 100
(33) Name of priority country	:NA	Johnston Iowa 50131 U.S.A.
(86) International Application No	:PCT/US2013/031913	2)MCLAREN, James
Filing Date	:15/03/2013	3)VANDE BERG, Brian
(87) International Publication No	:WO 2014/142946	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)MCLAREN James
Number		2)VANDE BERG Brian
Filing Date	:NA	2) (121 (22 2210 21111
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(FF) 11		1

#### (57) Abstract:

The present invention relates to transgenic plants that have increased nitrogen use efficiency, stress tolerance, and/or alleviating a limitation such that yield is increased, or a combination of these and that have been transformed using a novel vector construct including a synthetic isocitrate dehydrogenase (icdh) gene that modulates nitrogen use in plants. The invention also relates to stacking the icdh gene with other exogenous or heterologous genes that modulate nitrogen use in the plant including a N- acetylglutamate kinase gene. The invention also relates to methods of expressing in plants the nucleic acid molecules corresponding to the nucleic acid sequences that modulate nitrogen use in plants or are modulated by nitrogen conditions.

No. of Pages: 61 No. of Claims: 28

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: POWERED LINEAR SURGICAL STAPLER

(51) International classification	:A61B17/072	(71)Name of Applicant:
(31) Priority Document No	:61/812365	1)ETHICON ENDO SURGERY INC.
(32) Priority Date	:16/04/2013	Address of Applicant :4545 Creek Road Cincinnati Ohio
(33) Name of priority country	:U.S.A.	45242 U.S.A.
(86) International Application No	:PCT/US2014/033896	(72)Name of Inventor:
Filing Date	:12/04/2014	1)SHELTON IV Frederick E.
(87) International Publication No	:WO 2014/172211	2)NALAGATLA Anil K.
(61) Patent of Addition to Application	:NA	3)KIMSEY John S.
Number	:NA	4)BAXTER Chester O. III
Filing Date	.11/1	5)JENKINS Scott A.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A surgical instrument can comprise a first jaw a second jaw comprising a fastener cartridge and a closing system. The closing system can comprise a closure member configured to engage the first jaw and move the first jaw toward the second jaw. A pivot can pivotably couple the first jaw to the second jaw. The closure member can engage the first jaw at a location which is distal with respect to the pivot. The closure member and the first jaw can include a cam pin/cam slot arrangement which increases the leverage or mechanical advantage that the closure member applies to the first jaw as the first jaw is moved from an open position to a closed position. The surgical instrument can further comprise a first motor configured to operate the closing system and a second motor configured to operate a firing system configured to eject fasteners from the fastener cartridge.

No. of Pages: 249 No. of Claims: 19

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

(43) Publication Date: 29/01/2016

# (54) Title of the invention : MODULAR MOTOR DRIVEN SURGICAL INSTRUMENTS WITH ALIGNMENT FEATURES FOR ALIGNING ROTARY DRIVE SHAFTS WITH SURGICAL END EFFECTOR SHAFTS

(51) International classification :A61B17/00,A61B17/068,A61B17/072

(31) Priority Document No:61/812365 (32) Priority Date :16/04/2013 (33) Name of priority

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2014/033898

Filing Date :12/04/2014

(87) International Publication No :WO 2014/172213

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to
Application Number
Filing Date
:NA
:NA
:NA

(71)Name of Applicant:

1)ETHICON ENDO SURGERY INC.

Address of Applicant :4545 Creek Road Cincinnati Ohio

45242 U.S.A.

(72) Name of Inventor:

1)PARIHAR Shailendra K. 2)KOCH JR. Robert L. 3)SHELTON IV Frederick E.

# (57) Abstract:

Coupling systems for removably coupling dual rotary drive shafts of a surgical instrument to corresponding driven shafts of a surgical end effector. The surgical instrument may include a first rotary drive shaft that includes a first drive shaft axis and a second rotary drive shaft that includes a second drive shaft axis. The second drive shaft axis may be offset from and parallel with the first drive shaft axis. The coupling systems may facilitate simultaneous operable attachment of the first and second drive shafts of the surgical instrument with corresponding first and second driven shafts of a surgical end effector such that rotation of the first drive shaft rotates the first driven shaft and rotation of the second drive shaft rotates the second driven shaft.

No. of Pages: 250 No. of Claims: 20

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: ELECTRIC MOTOR AND MOTOR FOR WIPER

:H02K7/116,B60S1/08 (71)Name of Applicant : (51) International classification 1)MITSUBA CORPORATION (31) Priority Document No :2013061289 (32) Priority Date Address of Applicant :2681 Hirosawa cho 1 chome Kiryu shi :25/03/2013 (33) Name of priority country :Japan Gunma 3768555 Japan (86) International Application No :PCT/JP2014/057668 (72) Name of Inventor: Filing Date :20/03/2014 1)KAWASHIMA Yoshichika (87) International Publication No :WO 2014/156920 2)TOKIZAKI Teppei (61) Patent of Addition to Application 3)TAMURA Natsumi :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

An electric motor (2) is provided with a yoke (5) and a gear nousing (23). The yoke (5) includes a tubular magnet housing section (54), the magnet housing section housing a magnet (7). The gear housing (23) is provided with a tubular: frame section (22), the frame section housing at least a brush holder. One side of the yoke (5) and the other side of the frame section (22) are joined to each other. A rotary shaft is housed in the magnet housing section (54) and the frame section (22) along the axial direction of the magnet housing section (54) and the frame section (22). A first axial direction length (F) is formed to be equal to or longer than a second axial direction length (Y). The first shaft direction length (F) is the axial direction length of an outer wall of the frame section (22) that is formed substantially parallel to the rotary shaft. The second shaft direction length (Y) is the shaft direction length of an outer wall of the magnet housing section (54) that is formed substantially parallel to the rotary shaft.

No. of Pages: 29 No. of Claims: 4

(22) Date of filing of Application :01/10/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: SETTLING BASIN, SAND REMOVAL METHOD, TRANSPORT SYSTEM AND CONTAMINANT REMOVAL METHOD

(51) International :B01D21/24,B01D21/18,B65G53/30

classification

:2013099527 (31) Priority Document No (32) Priority Date :09/05/2013 (33) Name of priority country: Japan

(86) International :PCT/JP2014/062424 Application No

:09/05/2014 Filing Date

(87) International Publication :WO 2014/181851

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)AOUAINTEC CORPORATION

Address of Applicant: 1162 1 Dategata Kakegawa shi

Shizuoka 4360005 Japan (72)Name of Inventor: 1)MASUDA Tomova 2)OHHARA Toshitaka

# (57) Abstract:

The present invention relates to a settling basin in which sand contained in received water settles and provides a settling basin which is designed to adequately move the sand while limiting the swirling up of the sand. The settling basin is provided with: a space forming member (8) which extends along the basin bottom (1a) forms a space (S2) the upper edge (82) of which is closed and is provided with an intake opening (81) below the upper edge (82) and at a distance from the basin bottom (1a); and a discharge port (7) for discharging fluid inside the space (S2). The intake opening (81) functions as an opening for drawing in sand which has accumulated in the basin bottom (1a) into the space (S2) as a result of fluid being discharged from the discharge port (7). The space forming member (8) functions as a pathway for sand that has been drawn into the space (S2) to move towards the downstream side of the fluid discharge direction as a result of fluid being discharged from the discharge port (7).

No. of Pages: 131 No. of Claims: 8

(22) Date of filing of Application :01/10/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: OPENING SECTION STRUCTURE FOR REAR SECTION OF VEHICLE BODY

(51) International :B62D25/08,B62D25/04,B62D25/06

classification

(31) Priority Document No :2014024102 (32) Priority Date :12/02/2014 (33) Name of priority country: Japan

(86) International :PCT/JP2015/053612

Application No :10/02/2015 Filing Date

(87) International Publication :WO 2015/122400

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA

Filing Date

(71)Name of Applicant:

1) SUZUKI MOTOR CORPORATION

Address of Applicant: 300 Takatsuka cho Minami ku

Hamamatsu shi Shizuoka 4328611 Japan

(72)Name of Inventor: 1)NAKAJIMA Kazuva 2)NAKAMURA Hayato

# (57) Abstract:

The purpose of the present in vention is to simultaneously reinforce a hinge attachment seat for an upper part of an opening section for back door attachment and an upper corner section of the opening section, by using a simple and light-weight structure. A closed cross-sectional structure (21) is formed by a roof panel and a roof back inner member; the closed cross-sectional structure is joined to a side body by the upper corner section (3) of the opening section; a reinforcement (13) is arranged and fixed fixim the hinge attachment seat (8) across t o the side body (7), between the roof panel (4) and the roof back inner member (12); and the reinforcement (13) is joined to a vertical wall (9) formed in a rear section of the roof panel and to the hinge attachment seat (8). The reinforcement (13) is configured so as to form a crank-shaped cross section, to have a ridge-folded ridge line(20L) on the upper side thereof and a valley-foided ridge line (19L) on the lower side thereof, and to have an interval (H) between the upper and lower ridge lines that is narrow er in the vicinity of the hinge attachment seat on the inside i n the vehicle width direction and wider in the vicinity of the side body on the outside in the vemcle width direction.

No. of Pages: 41 No. of Claims: 6

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: KNOWLEDGE CAPTURE AND DISCOVERY 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</li> </ul>	:14/03/2014 :WO 2014/143755	(71)Name of Applicant: 1)BEULAH WORKS LLC Address of Applicant:808 N 360 W Valparaiso Indiana 46385 U.S.A. (72)Name of Inventor: 1)GUO Site 2)JOHNSON Robert E. III 3)HILTON Blaine Robert
	:WO 2014/143755 :NA :NA :NA :NA	· /

#### (57) Abstract:

A system for knowledge capture and discovery comprises a knowledge repository in which all input data is stored as objects and relationships between objects, and which input data may be stored according to more than one storage format. At least two hierarchical user interfaces provide input mechanisms to obtain the input data, object information concerning the input data and relationship information concerning the input data, thereby permitting end user applications to be developed. A controller receives the input data, object information and relationship information from the at least two hierarchical user interfaces and causes the input data to be stored in the knowledge repository as an object based on the object information and the relationship information.

No. of Pages: 79 No. of Claims: 16

(21) Application No.9078/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: 3D PRINTING USING SPIRAL BUILDUP

<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</li> <li>Filing Date</li> </ul>	:B29C67/00 :61/778285 :12/03/2013 :U.S.A. :PCT/US2014/025026 :12/03/2014 :WO 2014/165265 :NA :NA	(71)Name of Applicant: 1)DUDLEY, Kurt; Address of Applicant:16 1 Hauser Circle, Thousand Oaks, CA 91362 U.S.A. (72)Name of Inventor: 1)DUDLEY Kurt
1 (01110 01		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Methods, devices and systems for efficient 3D printing that address conventional inefficiencies while utilizing a single compact device are set forth. Some embodiments utilize a circular shaped build area revolving symmetrically around a single center point utilizing a continuous helical printing process. In one embodiment a liquid photopolymer for solidification is deposited on a build platform to form the physical object The Build platform is continuously rotated and simultaneously raised in a gradual programmed manner. Focused from below the platform produces a single continuous layer of material deposited and bonded in a helical fashion.

No. of Pages: 72 No. of Claims: 36

(22) Date of filing of Application :13/12/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention : METHOD DEVICE AND SYSTEM FOR MAKING TRAFFIC DATA SIGNATURE AND DIGITAL AUTHENTICATION 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><li>(86) International Application No</li></ul>	:H04N :201110421661.8 :15/12/2011 :China :NA	Address of Applicant :YanDong Business Park No. 2 Wanhong West Street Capital Airport Road Chaoyang District Beijing 100015 China
Filing Date (87) International Publication No	:NA : NA	(72)Name of Inventor : 1)XIANG MENG
(61) Patent of Addition to Application Number	:NA	THE INC. INC.
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to the field of information security technologies, and more particularly, to a method, a device and a system for making a traffic data signature, and a digital authentication terminal. The method comprises: receiving traffic data transmitted by a client via a non-transaction traffic signature channel; determining whether an abstracting algorithm format adopted by the traffic data is a non-transaction traffic abstracting algorithm format; and denying to make a signature if the abstracting algorithm format adopted by the traffic data is not a non-transaction traffic abstracting algorithm format, wherein the non-transaction traffic abstracting algorithm format. With the method, the device and the system for making a traffic data signature and the digital authentication terminal provided by embodiments of the present invention, potential security hazards can be better eliminated to ensure validity and security of the signed data. Reference: figure 2

No. of Pages: 29 No. of Claims: 11

(21) Application No.7820/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date: 29/01/2016

#### (54) Title of the invention: VACCINE COMPOSITION

(51) International :C12N7/01,A61K35/76,A61K39/00 classification

(31) Priority Document No :61/767776 (32) Priority Date :21/02/2013 (33) Name of priority country: U.S.A.

(86) International Application :PCT/CA2014/050118

:20/02/2014

Filing Date

(87) International Publication :WO 2014/127478

(61) Patent of Addition to :NA **Application Number** 

:NA Filing Date (62) Divisional to Application :NA

Number :NA Filing Date

(71)Name of Applicant:

1) CHILDRENS HOSPITAL OF EASTERN ONTARIO RESEARCH INSTITUTE INC.

Address of Applicant: 401 Smyth Road Ottawa Ontario K1H

8L1 Canada

2)OTTAWA HOSPITAL RESEARCH INSTITUTE

3)MCMASTER UNIVERSITY

(72)Name of Inventor: 1)STOJDL David F. 2)BELL John Cameron 3)LICHTY Brian

4)NA

# (57) Abstract:

There is described a kit for use in inducing an immune response in a mammal the kit includes: a first virus that expresses MAGEA3 Human Papilloma Virus E6/E7 fusion protein human Six Transmembrane Epithelial Antigen of the Prostate protein or Cancer Testis Antigen 1 or a variant thereof as an antigenic protein and that is formulated to generate an immunity to the protein or variant thereof in the mammal. The kit also includes a Maraba MG1 virus encoding the same antigen or a variant of the same antigen. The Maraba MG1 virus is formulated to induce the immune response in the mammal. The first virus is immunologically distinct from the Maraba MG1 virus.

No. of Pages: 102 No. of Claims: 65

(21) Application No.7821/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : SUBSTRATE FOR POWER MODULES SUBSTRATE WITH HEAT SINK FOR POWER MODULES AND POWER MODULE

(51) International :H01L23/373,H01L25/07,H01L25/18

(31) Priority Document No :2013072677 (32) Priority Date :29/03/2013

(33) Name of priority :Japan

country (86) International

Application No :PCT/JP2014/058132

Filing Date :24/03/2014

(87) International Publication No :WO 2014/157112

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to
Application Number
Filing Date
:NA
:NA
:NA

(71)Name of Applicant:

1)MITSUBISHI MATERIALS CORPORATION

Address of Applicant :3 2 Otemachi 1 chome Chiyoda ku

Tokyo 1008117 Japan (72)Name of Inventor:

1)NAGATOMO Yoshiyuki 2)TERASAKI Nobuyuki 3)KUROMITSU Yoshirou

# (57) Abstract:

The present invention is a substrate (10) for power modules which is provided with an insulating substrate (11) a circuit layer (12) that is formed on one surface of the insulating substrate (11) and a metal layer (13) that is formed on the other surface of the insulating substrate (11). The circuit layer (12) has a first aluminum layer (12A) that is formed of aluminum or an aluminum alloy and is bonded to the insulating substrate (11) and a first copper layer (12B) that is formed of copper or a copper alloy and is bonded to the first aluminum layer (12A) by solid phase diffusion. The metal layer (13) has a second aluminum layer (13A) that is formed of aluminum or an aluminum alloy. The thickness (t) of the circuit layer (12) and the thickness (t) of the second aluminum layer (13A) of the metal layer (13) satisfy the relation t < t.

No. of Pages: 57 No. of Claims: 5

(22) Date of filing of Application :08/11/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: CORING APPARATUS AND METHODS •

(51) International classification	:B64C	(71)Name of Applicant:
(31) Priority Document No	:61/324,194	1)BAKER HUGHES INCORPORATED
(32) Priority Date	:14/04/2010	Address of Applicant :P.O. Box 4740 Houston Texas 77210-
(33) Name of priority country	:U.S.A.	4740 U.S.A.
(86) International Application No	:PCT/US2011/031899	(72)Name of Inventor:
Filing Date	:11/04/2011	1)CHRISTOPHER C. BEUERSHAUSEN
(87) International Publication No	:WO 2011/130148	2)JUAN MIGUEL BILEN
(61) Patent of Addition to Application	:NA	3)THOMAS UHLENBERG
Number	:NA	4)JASON HABERNAL
Filing Date		5)LARRY M. HALL
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A coring apparatus is provided, which apparatus, in one exemplary embodiment, includes a rotatable member coupled to a drill bit configured to drill a core from a formation, a substantially non-rotatable member in the rotatable member configured to receive the core from the formation, and a sensor configured to provide signals relating to rotation between the rotatable member and the substantially non-rotatable member during drilling of the core from the formation, and a circuit configured to process the signals from the sensor to estimate rotation between the rotatable member and the non-rotatable member.

No. of Pages: 19 No. of Claims: 18

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: EXTERNAL FIXATION SYSTEM WITH RADIO FREQUENCY SHIELDING

<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>	:A61B17/64 :13/837598 :15/03/2013 :U.S.A. :PCT/US2014/024085 :12/03/2014 :WO 2014/150729 :NA :NA	(71)Name of Applicant:  1)DEPUY SYNTHES PRODUCTS INC. Address of Applicant: 325 Paramount Drive Raynham Massachusetts 02767 U.S.A. (72)Name of Inventor: 1)DISEGI John 2)MAUGHAN Thomas Joseph
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

An electrical insulator is applied to a bone anchor for instance of a bone implant such as an external fixation frame so as to prevent undesirable temperature increases in the bone anchor and surrounding anatomical tissue when subjected magnetic resonance imaging.

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

(21) Application No.7791/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: NON DIRECTIONAL ELECTROMAGNETIC STEEL PLATE WITH EXCELLENT MAGNETIC **CHARACTERISTICS**

(51) International

:C22C38/00,C22C38/06,C22C38/60

classification (31) Priority Document No

:2013049757

(32) Priority Date

:13/03/2013

(33) Name of priority country: Japan

(86) International Application :PCT/JP2014/056267

No Filing Date

:11/03/2014

(87) International Publication: WO 2014/142100

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date

(62) Divisional to Application :NA Number

:NA Filing Date

(71)Name of Applicant:

1)JFE STEEL CORPORATION

Address of Applicant: 2 3 Uchisaiwai cho 2 chome Chiyoda

ku Tokyo 1000011 Japan

(72) Name of Inventor:

1)ODA Yoshihiko

2)TODA Hiroaki

3)KOSEKI Shinji

4)HIRATANI Tatsuhiko

5)NAKANISHI Tadashi

6)OKUBO Tomoyuki

# (57) Abstract:

A non directional electromagnetic steel plate having high magnetic flux density and low anisotropy the steel plate containing C: 0.01 mass% or less Si: 1 4 mass% Mn: 0.05 3 mass% P: 0.03 0.2 mass% S: 0.01 mass% or less Al: 0.004 mass% or less N: 0.005 mass% or less and As: 0.003 mass% or less and preferably also containing one or two selected from Sb: 0.001 0.1 mass% and Sn: 0.001 0.1 mass% or one or two selected from Ca: 0.001 0.005 mass% and Mg: 0.001 0.005 mass%.

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

(22) Date of filing of Application :08/11/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention : USE OF VENTRICULAR ENLARGEMENT RATE IN INTRAVENOUS IMMUNOGLOBULIN TREATMENT OF ALZHEIMERS DISEASE $\bullet$

<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</li> </ul>	:A61K :61/323, 739 :13/04/2010 :U.S.A. :PCT/US2011/032232 :13/04/2011 :WO/2011/130355 :NA	(71)Name of Applicant:  1)BAXTER INTERNATIONAL INC Address of Applicant: One Baxter Parkway Deerfield Illinois 60015 U.S.A.  2)BAXTER HEALTHCARE S.A. (72)Name of Inventor: 1)NORMAN R. RELKIN
	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

The present invention relates to the use of MRI monitoring of ventricular enlargement rate as an objective measure for the purpose of assessing disease progression in patients suffering from Alzheimers disease and for the purpose of determining therapeutic effectiveness of a treatment regimen for Alzheimers patients. Methods for treating Alzheimers Disease and monitoring therapeutic effectiveness are provided.

No. of Pages: 45 No. of Claims: 17

(22) Date of filing of Application :08/11/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: INTRAOCULAR PRESSURE REDUCTION WITH INTRACAMERAL BIMATOPROST IMPLANTS •

<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</li> <li>Filing Date</li> </ul>	:14/04/2011 :WO/2011/130462 :NA :NA	(71)Name of Applicant:  1)ALLERGAN INC. Address of Applicant:2525 Dupont Drive T2-7H Irvine CA 92612 U.S.A. (72)Name of Inventor: 1)PATRICK M. HUGHES 2)MICHAEL R. ROBINSON 3)JAMES A. BURKE
- 14	:NA :NA :NA	

#### (57) Abstract:

The present invention provides a method of treating an ocular condition in an eye of a patient, comprising the step of placing a biodegradable intraocular implant in an eye of the patient, the implant comprising a prostamide and a biodegradable polymer matrix that releases drug at a rate effective to sustain release of an amount of the prostamide from the implant to provide an amount of the prostamide effective to prevent or reduce a symptom of an ocular condition of the eye, wherein said ocular condition is elevated IOP and said implant is placed in an intracameral location to dilate the outflow channels of the eye emanating from Schlemms Canal.

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

(22) Date of filing of Application :08/11/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: IRIS DIAPHRAGM SEAL FOR AN OSTOMY BAG

<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> </ul>	:B27M :PA 2010 70198 :10/05/2010 :Denmark :PCT/DK2011/050159 :10/05/2011 :WO/2011/141030 :NA :NA	(71)Name of Applicant:  1)COLOPLAST A/S  Address of Applicant: Holtedam 1 DK-3050 Humlebaek  Denmark (72)Name of Inventor:  1)ALASTAIR WILLOUGHBY  2)MARK ROGERS  3)GARY STACEY
Number Filing Date		
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A sealing wafer for use in an ostomy appliance is provided. The sealing wafer has an attachment platform with a distal surface capable of being attached to an ostomy bag, a proximal surface facing towards the user during use, and an opening having an inner boundary defining a stoma receiving opening. The sealing wafer further includes a fixed base member attached to the attachment platform and a rotating member arranged to rotate relative to the fixed base member. A sealing member is coupled between the fixed base member and the rotating member for providing a seal around a stoma and defining a stoma sealing orifice. When the rotating member is rotated relative to the base member, this rotation causes an increased or a decreased tension to be applied to the sealing member so that the diametrical dimensions of the stoma sealing orifice change from a first diameter to a second diameter. Thus a mechanical sealing member that can be used with one-piece ostomy appliances as well as with two-piece ostomy appliances is provided.

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

(21) Application No.7812/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: METHOD AND APPARATUS FOR ASH COOLING

(51) International classification :C10J3/56,F27B15/08,F28F9/00 (71)Name of Applicant :

(31) Priority Document No :61/786614 (32) Priority Date :15/03/2013

(33) Name of priority country :U.S.A. (86) International Application No :PCT/US2014/026919

Filing Date :14/03/2014

(87) International Publication No: WO 2014/152073

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA

Number :NA Filing Date

# 1)SYNTHESIS ENERGY SYSTEMS INC.

Address of Applicant: Three Riverway Suite 300 Houston

Texas 77056 U.S.A. (72) Name of Inventor: 1)WINTER John D.

#### (57) Abstract:

Systems and methods for step wise cooling high pressure and high temperature ash discharged from the gasifier used for gasification of carboneous materials wherein a high pressure cooler cools the ash under the operating pressure of the gasifier which may be followed by a depressurizer which brings the cooled ash to safe handling temperature. A low temperature ash cooler may also be optionally used. Also provided is a system where a wet scrubber is used to clean the syngas from the gasifier the waste water blow down from the scrubber is used to cool the hot ash either in the high temperature ash cooler or the low temperature ash cooler. Steam generated in the ash coolers is supplied back to the gasifier to reduce steam consumption

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

(21) Application No.7813/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: SYNCHRONOUS GENERATOR POLE STACK

<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 Filing Date</li> </ul>	:H02K1/24 :10 2013 206 121.8 :08/04/2013 :Germany :PCT/EP2014/056741 :03/04/2014 :WO 2014/166817 :NA :NA :NA	(71)Name of Applicant:  1)WOBBEN PROPERTIES GMBH Address of Applicant: Dreekamp 5 26605 Aurich Germany (72)Name of Inventor: 1)KELLING Ralf
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# (57) Abstract:

The invention relates to a synchronous generator rotor pole stack comprising a plurality of pole stack sheets offset from each other a pole shaft (410) and a pole head (420) having at least three pole head segments (423a 423b). A front edge of each of the at least three pole head segments (423a 423b) is arranged at an angle to the pole shaft (410).

No. of Pages: 14 No. of Claims: 7

(21) Application No.7814/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : SYSTEMS AND METHODS FOR SCHEDULING OF DATA PACKETS BASED ON APPLICATION DETECTION IN A BASE STATION

(51) International :H04N21/61,H04N21/63,H04N21/647

(31) Priority Document No :61/767422

(32) Priority Date :21/02/2013
(33) Name of priority

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2014/017456

Filing Date :20/02/2014

(87) International Publication No :WO 2014/130708

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

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01876 U.S.A.

(72)Name of Inventor: 1)DAHOD Ashraf M.

2)CHOWDHURY Kuntal

# (57) Abstract:

A system method base station and computer program product for coordinating communication of data packets between a user device and an application server is described. According to one aspect a base station includes a memory and a computer processor operatively coupled to the memory to a radio transmitter and to a radio receiver. The computer processor is configured to inspect the data packet assign radio resource blocks for transmitting the data packet based on the inspection of the data packet and transmit the data packet utilizing the assigned radio resource block.

No. of Pages: 42 No. of Claims: 32

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

(43) Publication Date: 29/01/2016

# (54) Title of the invention : EXTERNAL DERMAL AGENT AND FUNCTIONAL FOOD CONTAINING ROSE PLACENTA TISSUE CULTURED PRODUCT OR EXTRACT THEREOF

(51) International classification :A61K36/73,A61P17/00 (31) Priority Document No :10-2011-0054325 (32) Priority Date :07/06/2011 (33) Name of priority country :Republic of Korea (86) International Application No :PCT/KR2011/004120 Filing Date :07/06/2011 (87) International Publication No :WO 2012/169664 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA

:NA

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(72)Name of Inventor: 1)MOH Sang Hyun 2)SEO Hyo Hyun 3)KANG Hyo Seok 4)LEE Jeong Hun 5)JUNG Dai Hyun 6)KIM Su Jung 7)KIM Hyoung Shik 8)MIN Ji Aee 9)SHIN Dong Sun 10)CHO Moon Jin 11)LEE Yu Ri 12)MOH Ji Hong 13)LEE Jin Hyeong 14)KONDO Chieko 15)KONDO Yoshitaka

#### (57) Abstract:

Filing Date

The present invention relates to a skin improvement composition for skin external application containing a rose placenta tissue culture or extract thereof, and a functional food, and more particularl, to a skin improvement composition for skin external application containing a rose placenta tissue culture extract as an active ingredient, and a functional 10 food. The skin improvement composition for skin external application containing a rose placenta tissue culture or extract thereof, and a functional food according to the present invention have skin regeneration and wrinkle betterment effect by activating skin cells via skin cell growth or proliferation, and contain physiological active substances to exhibit excellent antioxidant effect.

No. of Pages: 48 No. of Claims: 20

(21) Application No.9682/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/11/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: LOCALISED ENERGY CONCENTRATION

<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>	:09/05/2011 :WO 2011/138622 :NA :NA	(71)Name of Applicant:  1)ISIS INNOVATION LIMITED  Address of Applicant: Ewert House Ewert Place Summertown Oxford Oxfordshire OX2 7SG U.K. (72)Name of Inventor:  1)VENTIKOS Yiannis 2)HAWKER Nicholas
Filing Date	:NA :NA	

#### (57) Abstract:

A method of producing a localised concentration of energy comprises creating at least one shockwave (10) propagating through a non gaseous medium (8) so as to be incident upon a pocket of gas (2) within the medium (8). The pocket of gas (2) is attached to a surface (6) comprising a depression (4) shaped so as partially to receive the gas pocket (2). An apparatus for producing a localised concentration of energy comprises a non gaseous medium (8) having therein a pocket of gas (2). The pocket of gas (2) is attached to a surface (6) comprising a depression (4) shaped so as partially to receive the gas pocket (2). The apparatus further comprises means for creating at least one shockwave (10) propagating through the medium (8) so as to be incident upon the pocket of gas (2).

No. of Pages: 34 No. of Claims: 66

(22) Date of filing of Application :09/01/2013 (43) Publication Date : 29/01/2016

# (54) Title of the invention: INSTANT CUSTOMER FEEDBACK SYSTEM AND METHOD THEREOF

(51) International classification (31) Priority Document No	:G06Q :NA	(71)Name of Applicant: 1)SHASHANK GOEL
(32) Priority Date	:NA	Address of Applicant :HOUSE NO. 14, VIVEKANAND
(33) Name of priority country	:NA	PURI, SARAI ROHILLA, DELHI - 110007, INDIA. Delhi India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SHASHANK GOEL
(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 an Instant Customer Feedback System which helps an organization to put in place a continuous customer feedback monitoring process and in particular, this invention relates to an Instant Customer Feedback System of receiving, storing, and delivering customer comments, including qualitative and quantitative feedback, over a communications network, such as the Internet. Also, the present invention relates to a method and system of rating, including individual merchants and both buyers and sellers. More particularly, this present invention relates to an Instant Customer Feedback System which provides actionable, real-time feedback collected the moment your customer experiences your service. Furthermore, this invention also enables to quantify customer service thereby creating a measurement system to uniformly raise customer service levels to ultimately meet the set benchmark.

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

(22) Date of filing of Application :09/11/2012 (43) Publication Date : 29/01/2016

#### (54) Title of the invention: A SURGICAL 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 Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:A61B :1007782.4 :11/05/2010 :U.K. :PCT/GB2011/050582 :23/03/2011 :WO 2011/141723 :NA :NA	(71)Name of Applicant:  1)DEPUY (IRELAND)  Address of Applicant: Loughbeg Ringaskiddy County Cork Ireland (72)Name of Inventor:  1)MICHAEL REEVE
- 10	:NA :NA :NA	

### (57) Abstract:

A surgical instrument comprising a first component (2) having a fxst face (76) and a second component (4) coupled to the fxst component (2) such that the first and second components (2, 4) can rotate relative to one another. The instrument further comprises a locking mechanism comprising a third component (32) having a second face (74) coupled to the second component (4). Movement of the third component (32) relative to the second component (4) is arranged to bring the second face (74) into or out of engagement with the fxst face (76) so as to selectively restrict or allow rotation between the first and second components (2, 4). One of said faces (7, 76) comprises a fxst array (78) of two or more grooves or teeth spaced apart at a fxst angular pitch about the centre of rotation between the first and second components (2, 4) and at least one further groove (82) or further tooth which does not correspond to the fxst angular pitch. The other of said faces (74, 76) comprises a fxst tooth (84) or a fxst groove arranged to engage one of the first array (78) of grooves or teeth so as to selectively restrict rotation to two or more predetermined rotational positions within a fxst range of rotational positions between the first and second components (2,4). Said other of said faces (74, 76) being arranged to engage the at least one further groove (82) or further tooth so as to selectively restrict rotation between the first and second components (2, 4) at a further predetermined rotational position.

No. of Pages: 33 No. of Claims: 18

(21) Application No.9719/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/11/2012 (43) Publication Date : 29/01/2016

#### (54) Title of the invention: A FEMORAL SIZING GUIDE

<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>	:23/03/2011 :WO/2011/141722 :NA :NA	(71)Name of Applicant:  1)DEPUY (IRELAND)  Address of Applicant: Loughbeg Ringaskiddy County Cork (IE) Ireland (72)Name of Inventor:  1)MICHAEL REEVE 2)MICHAEL ROCK
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A femoral sizing guide comprises a body (6), a superstructure (40) and a stylus (53). The body (6) is arranged to rest against a resected femoral surface and has first and second feet (12) arranged to extend underneath respective posterior condyles and rest against posterior condylar surfaces of the femur. The superstructure (40) is coupled to the body (6) and is arranged to slide parallel to the resected femoral surface towards and away from the feet (12). The stylus (53) is coupled to the superstructure (40) and arranged such that when the body (6) rests against the resected femoral surface a tip (60) of the stylus (53) extends over the femur such that sliding the superstructure (40) towards the feet (12) causes the stylus tip (60) to contact the anterior cortex of the femur. The superstructure (40) further comprises a first guide hole (52) defining a first alignment axis extending into the resected femoral surface at a predetermined distance from the level of the stylus tip (60) in the plane of the resected femoral surface. The body (6) defines a second guide hole (22) defining a second alignment axis extending into the resected femoral surface at a predetermined distance from the feet (12), the distance between the first and second guide holes (52, 22) varying as the superstructure (40) slides relative to the body (6).

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

(21) Application No.10920/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/12/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: NETWORK 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 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 Filing Date</li> </ul>	:H04L12/24 :NA :NA :NA :PCT/EP2010/059137 :28/06/2010 :WO 2012/000534 :NA :NA :NA	(71)Name of Applicant:  1)Telefonaktiebolaget L M Ericsson (publ) Address of Applicant: Torshamnsgatan 23 S 164 83 Stockholm Sweden (72)Name of Inventor: 1)MAGGIARI Massimiliano 2)MARCENARO Carla 3)BRUZZONE Francesca
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#### (57) Abstract:

A network management node (40) of a connection oriented network (10) listens to topology advertisements (51) in a control plane of the network and stores information carried in the topology advertisements. The node selectively sends Link Management Protocol LMP requests (52) based on the information carried in the topology advertisements (51). Link Management Protocol LMP requests can be performed for at least one of the following events: adjacency addition; addition of a link (12) between nodes; deletion of a link (12) between nodes; modification to the bandwidth of a link (12) between nodes. The information collected in the topology advertisements (51) is translated into a format compatible with an Operations Support System OSS model (48).

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

(21) Application No.10923/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/12/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention : METHOD SYSTEM AND APPARATUS FOR MAKING SHORT RUN RADIO FREQUENCY IDENTIFICATION TAGS AND LABELS $\bullet$

<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>	:14/06/2011 :WO/2011/159727	(71)Name of Applicant:  1)AVERY DENNISON CORPORATION Address of Applicant:150 N Orange Grove Blvd. Pasadena CA 91103 U.S.A. (72)Name of Inventor: 1)IAN J. FORSTER 2)CHRISTIAN K. OELSNER 3)ROBERT REVELS
(87) International Publication No		2)CHRISTIAN K. OELSNER
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The present invention is a method and apparatus for producing ready to use RFID devices in a convenient and economical manner. The apparatus of the present invention may be co-located with a manufacturer of consumer goods.

No. of Pages: 26 No. of Claims: 23

(21) Application No.10924/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/12/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: SECURITY AND INVENTORY MANAGEMENT TAG AND SYSTEM 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> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> <li>Filing Date</li> </ul>	:G06F :61/354,419 :14/06/2010 :U.S.A. :PCT/US2011/040269 :14/06/2011 :WO/2011/159651 :NA :NA	(71)Name of Applicant:  1)AVERY DENNISON CORPORATION Address of Applicant:150 N Orange Grove Blvd. Pasadena CA 91103 U.S.A. (72)Name of Inventor: 1)JEFFREY A. RAYMOND 2)WILLIAM J. COOPER
(61) Patent of Addition to Application	:NA	2)WILLIAM J. COOPER
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention is directed to a security and inventory management device for use with a consumer article and more particularly to an apparel item. The security and inventory management device is removably secured to the consumer article and includes a radio frequency device enclosed within the housing.

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

(22) Date of filing of Application :23/07/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: MULTIPLE SLIT NOZZLE-BASED HIGH VOLUME PM2.5 IMPACTOR ASSEMBLY

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:NA :NA	(71)Name of Applicant:  1)INDIAN INSTITUTE OF TECHNOLOGY KANPUR Address of Applicant :INDIAN INSTITUTE OF
(33) Name of priority country (86) International Application No	:NA :NA	TECHNOLOGY KANPUR, KANPUR-208016, (U.P), INDIA. Uttar Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)TARUN GUPTA
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)ANAND KUMAR
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention provides a multiple slit nozzle-based high volume PM25 impactor with a particle collection efficiency characteristic and low pressure drop. The nozzle plate along with the substrate plate assembly is designed and . fabricated with brass (chrome plated) and retrofitted in the high volume dust sampler downstream of the PMlo cyclone separator. The impactor is designed in a manner that certain high volume respirable dust sampler available in the market can be easily retrofitted with the impactor assembly without disturbing/changing their original setup.

No. of Pages: 16 No. of Claims: 6

(22) Date of filing of Application :09/11/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: AN AUTOFOCUS IMAGING APPARATUS •

(51) International classification	:G06Q	(71)Name of Applicant:
(31) Priority Document No	:12/777,447	1)EASTMAN KODAK COMPANY
(32) Priority Date	:11/05/2010	Address of Applicant :343 State Street Rochester NY 14650-
(33) Name of priority country	:U.S.A.	2201 U.S.A.
(86) International Application No	:PCT/US2011/033173	(72)Name of Inventor:
Filing Date	:20/04/2011	1)VITALY BURKATOVSKY
(87) International Publication No	:WO/2011/142943	2)DAVID AVIEL
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An autofocus imaging apparatus (200) for three-dimensional imaging on a surface of a flexible media mounted on a cylindrical drum (104) includes a carriage (210) which moves parallel to a surface of the drum and an imaging stage (208) mounted on the carriage. The imaging stage includes a displacement sensor (112) for measuring a distance to the surface of the flexible media; imaging optics (216) for producing a three-dimensional image on the flexible media; and an autofocus drive (220) for changing a focus of the imaging optics. Encoders (256, 260) provide data on the drum and carriage position. A controller (116) receives and processes data from the displacement sensor and the encoders. A computer (236) receives data from the controller, processes controller data, and transmits instructions to the controller. The controller receives computer instructions and transmits focus commands to the autofocus drive or the imaging stage.

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

(22) Date of filing of Application :30/06/2015 (43) Publication Date: 29/01/2016

#### (54) Title of the invention: APPARATUS AND METHODS FOR FEEDBACK SENSING IN MULTI -CELL POWER SUPPLIES

(51) International :H02M5/458,H02M7/49,G01R19/00

classification

(31) Priority Document No :13/754208 (32) Priority Date :30/01/2013 (33) Name of priority country: U.S.A.

(86) International Application:PCT/US2014/013707

:30/01/2014 Filing Date

(87) International Publication :WO 2014/120850

(61) Patent of Addition to :NA **Application Number** 

:NA Filing Date (62) Divisional to

:NA **Application Number** :NA Filing Date

(71)Name of Applicant:

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Address of Applicant: 3333 Old Milton Parkway, Alpharetta,

Georgia 30005-4437 U.S.A. (72)Name of Inventor:

1)RASTOGI Mukul 2)ERB Daniel Edward

3) CHEESMAN Edward Alan

#### (57) Abstract:

Apparatus and methods in accordance with this invention provide a multicell power supply for receiving power from a source and delivering power at an output terminal to a load. The multi-cell power supply includes a first power cell coupled to the source, and a first current sensor circuit. The first power cell provides a first output current, and includes a first output terminal coupled to a reference node of the multi-cell power supply, and a second output terminal coupled to the output terminal. The first current sensor circuit includes a first current sensor and a power supply. The first current sensor is coupled to the first output terminal of the first power cell, and measures the first output current. The power supply is coupled to either the reference node or a floating ground node of the first power cell, and provides power to the first current sensor.

No. of Pages: 39 No. of Claims: 20

(21) Application No.5749/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: ACYL-ACP REDUCTASE WITH IMPROVED PROPERTIES

(31) Priority Document No
(32) Priority Date
(33) Name of priority country
(86) International Application
(37) Methods in the control of the

No :PCT/US2014/011859

Filing Date :16/01/2014

(87) International Publication :WO 2014/113571

(61) Patent of Addition to
Application Number
Filing Date
:NA

(62) Divisional to Application Number :NA :NA

Filing Date

#### (51) International classification :C12N9/02,C12N15/53,C12P7/04 (71)Name of Applicant:

1)LS9, INC.

Address of Applicant :600 Gateway Blvd. South San

Francisco CA 94080 U.S.A. (72)Name of Inventor:

1)RUDE Mathew

2)TRINH Na 3)SCHIRMER Andreas

4)GANO Jacob

# (57) Abstract:

The disclosure relates to acyl-ACP reductase (AAR) enzyme variants that result in improved fatty aldehyde and fatty alcohol production when expressed in recombinant host cells. The disclosure further relates to methods of making and using such AAR variants for the production of fatty alcohol compositions having particular characteristics.

No. of Pages: 171 No. of Claims: 82

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

#### (54) Title of the invention: NOVEL NUCLEOSIDE PHOSPHORAMIDATE COMPOUND AND USE THEREOF

(71)Name of Applicant: (51) International 1)NANJING SANHOME PHARMACEUTICAL CO. LTD. :C07H19/10,C07H19/04,C07H19/06 classification Address of Applicant: 9 Huizhong Road Nanjing Economic (31) Priority Document No :201310075423.5 and Technological Development Zone Nanjing Jiangsu 210038 (32) Priority Date :08/03/2013 China (33) Name of priority country: China (72) Name of Inventor: (86) International :PCT/CN2014/073004 1)WANG Yong Application No :06/03/2014 2)ZHAO Liwen Filing Date (87) International Publication :WO 2014/135107 3)ZHANG Xian 4)BI Sheng 5)GAO Yiping (61) Patent of Addition to :NA 6)CHEN Hongyan **Application Number** :NA 7)WANG Dezhong Filing Date 8)NAN Yang (62) Divisional to :NA 9)ZHANG Cang **Application Number** :NA 10)LI Yuxiu Filing Date 11)ZHANG Di

#### (57) Abstract:

Provided are a novel nucleoside phosphoramidate compound stereoisomer salt hydrate solvate or crystal thereof for treating flaviviridae virus in particular a hepatitis C virus infection. Also provided are a pharmaceutical composition containing the compound stereoisomer salt hydrate solvate or crystal thereof and uses of the compound and composition for treating the flaviviridae virus in particular the hepatitis C virus infection. The compound has a good anti HCV effect.

No. of Pages: 78 No. of Claims: 13

(21) Application No.7801/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: ANTI PLASMA KALLIKREIN ANTIBODIES

<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>	:14/03/2014 :WO 2014/152232 :NA :NA :NA	(71)Name of Applicant: 1)DYAX CORP. Address of Applicant:55 Network Drive Burlington MA 01803 2756 U.S.A. (72)Name of Inventor: 1)NIXON Andrew 2)KENNISTON Jon A. 3)COMEAU Stephen R.
Filing Date	:NA	

#### (57) Abstract:

Disclosed herein are antibodies capable of binding to plasma kallikrein and inhibit its activity. Such antibodies interact with one or more critical residues in the catalytic domain of the plasma kallikrein. The antibodies may also contain specific heavy chain complementarity determining region 3 (CDRs) motifs and optionally specific residues at certain positions within both the heavy chain variable region and the light chain variable region.

No. of Pages: 78 No. of Claims: 31

(21) Application No.7802/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date: 29/01/2016

#### (54) Title of the invention: ARGININE DEIMINASE WITH REDUCED CROSS REACTIVITY TOWARD ADI PEG 20 ANTIBODIES FOR CANCER TREATMENT

(51) International :A61K38/46,A61K39/02,A61K39/04 classification

:61/790833 (31) Priority Document No (32) Priority Date :15/03/2013

(33) Name of priority :U.S.A.

country

(86) International :PCT/US2014/026766

Application No :13/03/2014

Filing Date (87) International

:WO 2014/151982 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to

:NA **Application Number** :NA Filing Date

(71)Name of Applicant: 1)POLARIS GROUP

Address of Applicant : P.O. Box 309 Ugland House Grand

Cayman KY1 1104 Cayman Island

(72) Name of Inventor: 1)ALMASSY Robert

2)SHOWALTER, RICHARD E.

3)THOMSON, JAMES A.

4)SISSON, WES 5)SHIA, WEI-JONG 6) CHEN, LI-CHANG

7)YANG, LEE

#### (57) Abstract:

The present invention relates generally to isolated to arginine deiminase (ADI) proteins that have reduced cross reactivity with anti ADI PEG 20 antibodies as compared to ADI PEG 20 but which can have functional characteristics comparable to or better than ADI PEG 20 compositions comprising the ADI proteins and related methods of treating arginine dependent diseases or related diseases such as cancer.

No. of Pages: 134 No. of Claims: 68

(21) Application No.9714/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/11/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: CONTACT TRAY FOR A MASS TRANSFER 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 Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:29/04/2011 :WO 2011/141301 :NA	(71)Name of Applicant:  1)SULZER CHEMTECH AG. Address of Applicant: Sulzer-Allee 48 CH-8404 Winterthur Switzerland Switzerland (72)Name of Inventor: 1)MARK W. PILLING 2)STEFAN TOBIAS HIRSCH 3)MARKUS FRIEDRICH FISCHER
	:NA :NA :NA :NA	,

#### (57) Abstract:

The valve cover has a guide vane extending laterally and downwardly fkom the central portion towards and in spaced relation to the tray deck for deflecting a majority of the vapor passing upwardly through an orifice downward towards the tray deck. A deentrainment device with a downwardly angled deflector in vertical alignment with an orifice in the tray deck may be integrated or not with the valve cover below the tray deck.

No. of Pages: 34 No. of Claims: 33

(22) Date of filing of Application :07/01/2013 (43) Publication Date : 29/01/2016

# (54) Title of the invention: ADVANCED BONE MARKER AND CUSTOM IMPLANTS

<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>	:A61B19/00 :61/362456 :08/07/2010 :U.S.A. :PCT/US2011/039743 :09/06/2011 :WO 2012/005860 :NA :NA	(71)Name of Applicant:  1)SYNTHES USA LLC Address of Applicant:1302 Wrights Lane East West Chester Pennsylvania 19380 U.S.A.  2)SYNTHES GMBH (72)Name of Inventor: 1)FRIGG Robert
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method for replacing a portion of a target bone in a living body includes the steps of attaching one or more first markers to a target bone establishing a medical three dimensional representation of the target bone performing a virtual resection of a resection portion the virtual resection constructing a three dimensional representation of the resection portion and a three dimensional representation of the remaining target bone including cutting edges providing a virtual pattern of the resection portion obtaining an implant or graft portion for replacing the resection portion of the target bone by using the virtual pattern of the resection portion resecting the resection portion from the target bone according to the virtual resection using the first reference system of coordinates and coupling the implant or graft portion to the target bone in a position substantially matching a position of the resection portion before the actual resection.

No. of Pages: 36 No. of Claims: 27

(21) Application No.2129/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :28/07/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: CALL REJECTION IN A COMMUNICATION NETWORK

(51) International classification	·H04M3/42	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ALCATEL LUCENT
(32) Priority Date	:NA	Address of Applicant :148/152 route de la Reine, 92100
(33) Name of priority country	:NA	Boulogne-Billancourt France
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SINGH, Narendra
(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:

Method(s) and system(s) for providing a call rejection announcement are disclosed. The method includes receiving a message from a called device (104-1), upon rejection of a call request. The message may include a cause code for rejecting the call request. Further, the method may include providing an announcement to a calling device (104-2). The announcement corresponds to the cause code indicated in the message.

No. of Pages: 39 No. of Claims: 19

(21) Application No.5913/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 29/01/2016

#### (54) Title of the invention: SYSTEMS AND METHODS FOR REDUCING THE ENERGY REQUIREMENTS OF A CARBON DIOXIDE CAPTURE PLANT

(51) International :B01D53/14,B01D53/62,B01D53/78 classification

(31) Priority Document No (32) Priority Date :NA (33) Name of priority country:NA

(86) International :PCT/US2013/020890 Application No

:09/01/2013 Filing Date

(87) International Publication :WO 2014/109742

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)FLUOR TECHNOLOGIES CORPORATION

Address of Applicant :3 Polaris Way Aliso Viejo CA 92698

(72) Name of Inventor:

1)REDDY Satish

# (57) Abstract:

Systems and methods for reducing the energy requirements for carbon dioxide capture are described. Heat from system processes such as steam condensation and hot flue gas is utilized to heat reflux liquid utilized in release of carbon dioxide from absorbent solvent.

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

(21) Application No.5914/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: NANOPARTICLE COMPOSITIONS OF ALBUMIN AND PACLITAXEL

(51) International classification :A61K31/337,A61K38/38,A61K9/14

(31) Priority Document No :61/747123 (32) Priority Date :28/12/2012 (33) Name of priority

country :U.S.A.

(86) International :PCT/US2013/076630

Application No
Filing Date

119/12/2013

(87) International

Publication No :WO 2014/105644

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to

:NA
:NA

(62) Divisional to
Application Number
Filing Date
:NA

(71)Name of Applicant:

1)ABRAXIS BIOSCIENCE LLC

Address of Applicant: 11755 Wilshire Boulevard Suite 2310

Los Angeles CA 90025 U.S.A.

(72)Name of Inventor: 1)DESAI Neil P.

#### (57) Abstract:

The present invention provides compositions (such as pharmaceutical compositions) comprising nanoparticles comprising albumin and paclitaxel. The compositions have a specific albumin polymer/monomer profile and are particularly suitable for use in treating diseases such as cancer.

No. of Pages: 74 No. of Claims: 22

(21) Application No.5915/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 29/01/2016

#### (54) Title of the invention: THIADIAZOLE ANALOGS THEREOF AND METHODS FOR TREATING SMN DEFICIENCY **RELATED CONDITIONS**

(51) International :C07D417/10,C07D417/12,C07D417/14

:U.S.A.

classification

(31) Priority Document :61/755680

(32) Priority Date :23/01/2013 (33) Name of priority

country

(86) International

:PCT/US2014/012774 Application No :23/01/2014

Filing Date

(87) International

:WO 2014/116845 **Publication No** 

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to

:NA **Application Number** :NA Filing Date

(71)Name of Applicant: 1)NOVARTIS AG

Address of Applicant :Lichtstrasse 35 CH 4056 Basel

Switzerland

(72) Name of Inventor: 1)AXFORD Jake 2)DALES Natalie

3)SUNG Moo Je

#### (57) Abstract:

The present invention provides a compound of Formula (X) or a pharmaceutically acceptable salt thereof; a method for manufacturing the compounds of the invention and its therapeutic uses. The present invention further provides a combination of pharmacologically active agents and a pharmaceutical composition.

No. of Pages: 160 No. of Claims: 16

(21) Application No.7718/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/08/2015

(43) Publication Date: 29/01/2016

# (54) Title of the invention: PROCESS FOR IMPROVING COLD FLOW PROPERTIES AND INCREASING YIELD OF MIDDLE DISTILLATE FEEDSTOCK THROUGH LIQUID FULL HYDROTREATING AND DEWAXING

(51) International :C10G65/04,C10G45/22,C10G45/64

classification

(31) Priority Document No :61/781438 (32) Priority Date :14/03/2013 (33) Name of priority country:U.S.A.

(86) International :PCT/US2014/024190

Application No :12/03/2014 Filing Date

(87) International Publication :WO 2014/159560

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71) Name of Applicant:

1)E. I. DU PONT DE NEMOURS AND COMPANY

Address of Applicant : Chestnut Run Plaza 974 Centre Road

P.O. Box 2915 Wilmington Delaware 19805 U.S.A.

(72)Name of Inventor:

1)DINDI Hasan 2)PALIT Sandeep

3)PULLEY Alan Howard 4)MURILLO Luis Eduardo

5)TA Thanh Gia 6)BOEGER Brian

# (57) Abstract:

Novel liquid full process for improving cold flow properties and increasing yield of middle distillate fuel feedstock by hydrotreating and dewaxing the feedstock in liquid full reactors.

No. of Pages: 35 No. of Claims: 18

(21) Application No.9750/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/11/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: FILLING

(51) International classification (31) Priority Document No	:A47J :10 162 375.9	(71)Name of Applicant:  1)B. BRAUN MELSUNGEN AG
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:10/05/2010 :EPO	Address of Applicant :Carl-Braun-Strae 1 34212 Melsungen Germany
(86) International Application No Filing Date	:PCT/EP2011/056957 :02/05/2011	(72)Name of Inventor: 1)MICHEL PITTET
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li></ul>	:WO/2011/141315 :NA	2)CAROLINE ANSERMET 3)BASTIEN ECABERT
Number Filing Date	:NA :NA	4)C‰DRIC BERCHIER
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention refers to a flexible multiple chamber bag for storing medical products comprising two or more chambers. A flexible multiple chamber bag (10) made by circumferentially welding two foils being non peelable and furthermore containing peelable and non-peelable welds (4, 5, 6) within the circumference weld (7) for the separate storing of medical products in separate chambers (1, 2, 3), containing a hanger flap (11) extending from the top end of said bag (10) and a single medical port system (9) welded within the lower end of said circumferential weld (7) of said bag (10) characterized in that one side end but different from the top end and the lower end of said circumferential weld (7) of said bag (10) contains a number of non-welded frustoconical-shaped interruptions (12, 13, 14) between said foils, each of said interruptions (12, 13, 14) respectively being connected to a different chamber (1 or 2 or 3) allowing the temporarily or permanent introduction of an appropriate filling tube (22, 23, 24) into each of said interruptions (12, 13, 14).

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

(22) Date of filing of Application :01/10/2015 (43)

(43) Publication Date: 29/01/2016

# (54) Title of the invention : APPARATUS METHOD AND ARTICLE FOR PROVIDING INFORMATION REGARDING A VEHICLE VIA A MOBILE 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>	:12/03/2014 :WO 2014/165197	(71)Name of Applicant: 1)GOGORO INC. Address of Applicant: Walker House, 87 Mary Street, George Town, Grand Cayman, KYI -9005 Cayman Island (72)Name of Inventor: 1)LUKE Hok Sum Horace
	:NA :NA :NA :NA	

#### (57) Abstract:

A network of collection, charging and distribution machines collect, charge and distribute portable electrical energy storage devices (e.g., batteries, supercapacitors or ultracapacitors). Relevant information regarding vehicles that use the collection and distribution machines is communicated to or acquired by mobile devices of users associated with one or more of the vehicles. The vehicle information may include information regarding diagnostics or status of the vehicle and information regarding usage history of the vehicle received from different sources. This information is then processed and analyzed at the mobile device and such information is presented by the mobile device in a useful manner to the user and/or communicated to another device external to the mobile device, such as the vehicle, for further processing or communication of the data.

No. of Pages: 80 No. of Claims: 27

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: PORTABLE BLOOD COUNT MONITOR

(31) Priority Document No:61(32) Priority Date:13(33) Name of priority country:U.(86) International Application No:PCFiling Date:12	A 4)WACHSMANN HOGIU Sebastian 5)DWYRE Denis 6)HEIFETZ Laurence	
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#### (57) Abstract:

This disclosure describes the development of a sample preparation, measurement, and analysis method that permits accurate characterization of red blood cells, platelets, and white blood cells, including a 3-part differential of the white blood cells count, to be performed on small volumes of a biological sample. This method is compatible with compact and portable instrumenta tion that permits the sample collection to be performed in a subjects home and analysis to be performed elsewhere by transmission of the data to a laboratory or doctors office.

No. of Pages: 62 No. of Claims: 61

(22) Date of filing of Application :09/11/2012 (43) Publication Date : 29/01/2016

#### (54) Title of the invention: SYSTEM AND METHOD OF GENERATING A ROUTE ACROSS AN ELECTRONIC MAP

(51) International classification	:H04N	(71)Name of Applicant :
(31) Priority Document No	:61/326,278	1)TOMTOM INTERNATIONAL B.V.
(32) Priority Date	:21/04/2010	Address of Applicant :Oosterdoksstraat 114 NL-1011DK
(33) Name of priority country	:U.S.A.	Amsterdam Netherlands
(86) International Application No	:PCT/EP2011/053565	2)TOMTOM DEVELOPMENT GERMANY GMBH
Filing Date	:09/03/2011	(72)Name of Inventor:
(87) International Publication No	:WO/2011/131417	1)SCHILLING Heiko
(61) Patent of Addition to Application	:NA	2)GAWRILOW Ewgenij
Number	:NA :NA	3)HILGER Moritz
Filing Date	.IVA	4)PROFOUS Andreas
(62) Divisional to Application Number	:NA	5)WERBER J ¹ / ₄ rgen
Filing Date	:NA	6)SERBANESCU Alexandru

#### (57) Abstract:

A computerised method of generating a route (1000) from an origin position F1 to a destination position (706) across an electronic map (700) comprising a plurality of vectors representing segments of a navigable route in the area covered by the electronic map (700), the method comprising: (1) obtaining delay data indicating delays on vectors within the area covered by the electronic map (700); (2) calculating a first portion (1002) of a route from origin position toward the destination position (706) using a first routing method up to a predetermined threshold (1006) from the origin position F1, such that the first routing method uses the delay data so that the first portion (1002) of the route takes into account delays; and (3) calculating a second portion (1004) of the route beyond the predetermined threshold (1006) to the destination position (706) using a second routing method to further calculate the route to the destination position (1006).

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

(22) Date of filing of Application :09/11/2012 (43) Publication Date : 29/01/2016

#### (54) Title of the invention: METHOD AND DEVICE FOR REDUCING THE TEMPERATURE TOLERANCE OF GLOW PLUGS

<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</li> </ul>	:G06Q :102010029047.5 :18/05/2010 :Germany :PCT/EP2011/055772 :13/04/2011 :WO 201/144393 :NA :NA	(71)Name of Applicant:  1)ROBERT BOSCH GmbH  Address of Applicant: Postfach 30 02 20 70442 Stuttgart  Germany  (72)Name of Inventor:  1)JOOS Sascha
11		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a method for reducing the temperature tolerance of glow plugs, in which method, in a first step, the glow plugs of an auto-ignition internal combustion engine are classified under at least two temperature classes, wherein at least one temperature class encompasses a temperature range above a setpoint temperature range, at least one temperature class encompasses a temperature range below the setpoint temperature range, and/or one temperature class encompasses the setpoint temperature range. In a second step, the actuation voltage of glow plugs which have been assigned to a temperature class which encompasses a temperature range above the setpoint temperature range is lowered and the actuation voltage of glow plugs which have been assigned to a temperature class which encompasses a temperature range below the setpoint temperature range is raised. The invention also relates to a device for carrying out the method.

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

(22) Date of filing of Application :01/10/2015 (43) Publication Date: 29/01/2016

#### (54) Title of the invention: VENTURI PUMP AND FACILITY FOR APPLYING PAINT COATINGS

(51) International classification :F04F5/24,F04F5/46,B05B7/14 (71)Name of Applicant :

(31) Priority Document No :1353485 (32) Priority Date :17/04/2013

(33) Name of priority country :France

(86) International Application No :PCT/EP2014/057733

Filing Date :16/04/2014

(87) International Publication No :WO 2014/170374

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA

Number :NA Filing Date

1)SAMES TECHNOLOGIES

Address of Applicant: 13 Chemin de Malacher F 38240

Mevlan France

(72) Name of Inventor: 1)PRAVERT Christophe

#### (57) Abstract:

This Venturi pump (2), which can be used for sucking powder from a supply (A), diluting same, then feeding it to a gun (D) via a conveyor pipe, comprises an outer body (20), at least one powder suction duct (22), at least two air connections (24, 28), of which a first air connection (24) is capable of supplying an injector (284) to create a vacuum inside the suction duct (22) and a second air connection (28) is capable of supplying a dilution air circuit separate from the powder flow, at least one powder outlet nozzle (26), centred on an axis of diffusion (Y26), the inlet of which is located downstream from the first air connection (24) and the suction duct, at least one protection barrier (282), disposed inside the dilution air circuit and at least one outlet tip (284) of the dilution circuit, disposed around the nozzle (26) and also connected to the conveyor pipe (T). The protection barrier comprises a non-return valve (282) that radially surrounds the nozzle (26).

No. of Pages: 17 No. of Claims: 13

(21) Application No.9059/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/10/2015 (43) Publication Date: 29/01/2016

#### (54) Title of the invention: SURGICAL INSTRUMENT COMPRISING A CLOSING DRIVE AND A FIRING DRIVE OPERATED FROM THE SAME ROTATABLE OUTPUT

(51) International classification :A61B17/072,A61B17/068 (71)Name of Applicant :

(31) Priority Document No :61/812365 (32) Priority Date :16/04/2013

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2014/033894 Filing Date :12/04/2014

(87) International Publication No :WO 2014/172209

(61) Patent of Addition to Application :NA Number

:NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

1)ETHICON ENDO SURGERY INC.

Address of Applicant: 4545 Creek Road Cincinnati Ohio

45242 U.S.A.

(72) Name of Inventor:

1)PARIHAR Shailendra K.

2)HIBNER John A.

#### (57) Abstract:

A surgical instrument can comprise an end effector, a first drive configured to perform a first end effector function, a second drive configured to perform a second end effector function, and a rotatable shaft. The rotatable shaft can comprise a first thread, wherein the first drive is engageable with the first thread to perform the first end effector function, and a second thread, wherein the second drive is engageable with the second thread to perform the second end effector function, and wherein the first thread is at least partially co- extensive with or overlaps the second thread.

No. of Pages: 248 No. of Claims: 20

(21) Application No.9793/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 12/11/2012 (43) Publication Date: 29/01/2016

# (54) Title of the invention: AMINOGLYCOSIDE DERIVATIVES

(51) International classification :C07H15/234,A61P31/00,C07H15/236

(31) Priority Document No :61/334,088 (32) Priority Date :12/05/2010

(33) Name of priority country :U.S.A.

(86) International :PCT/US2011/036344

Application No
Filing Date

12/05/2011

(87) International Publication No :WO 2011/143497

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71) Name of Applicant:

1)REMPEX PHARMACEUTICALS INC.

Address of Applicant :11535 Sorrento Valley Road San Diego

CA 92121 U.S.A.

(72)Name of Inventor: 1)GLINKA Tomasz W.

2)RODNY Olga

# (57) Abstract:

The present invention relates to antimicrobial and antibiotic aminoglycoside derivatives. The compounds of the present application have the following chemical structures. The invention also relates to compositions methods of preparation and methods of treatment of bacterial infections using the above aminoglycoside derivative.

No. of Pages: 127 No. of Claims: 35

(21) Application No.9795/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/11/2012 (43) Publication Date : 29/01/2016

# $(54) \ Title \ of \ the \ invention: OXYGENATED \ BUTANOL \ GASOLINE \ COMPOSITION \ HAVING \ GOOD \ DRIVEABILITY \ PERFORMANCE$

(51) International classification	:C10L1/02,C10L1/06,C10L1/18	(71)Name of Applicant:
(31) Priority Document No	:61/355,222	1)BUTAMAX(TM) ADVANCED BIOFUELS LLC
(32) Priority Date	:16/06/2010	Address of Applicant :Experimental Station Building 268 200
(33) Name of priority country	:U.S.A.	Powder Mill Road Wilmington Delaware 19880 0268 U.S.A.
(86) International Application No	:PCT/US2011/040716	(72)Name of Inventor:
Filing Date	:16/06/2011	1)TORRES ORDONEZ Rowena Justo
(87) International Publication No	:WO 2011/159908	2)KUBERKA Melanie
(61) Patent of Addition to	:NA	3)PLACZEK Peter
Application Number	:NA	4)WOLF Leslie R.
Filing Date	.IVA	5)BAUSTIAN James J.
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	.NA	

# (57) Abstract:

Gasoline blends and methods for producing gasoline blends containing high concentrations of a butanol isomer and having good cold start and warm up driveability characteristics are disclosed.

No. of Pages: 42 No. of Claims: 26

(21) Application No.9797/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/11/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: MOLDING 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> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:B61F :61/327,206 :23/04/2010 :U.S.A. :PCT/CA2011/050070 :09/02/2011 :WO/2011/130847 :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)HUSKY INJECTION MOLDING SYSTEMS LTD.         Address of Applicant:500 Queen Street South Bolton         Ontario L7E 5S5 Canada         (72)Name of Inventor:         1)ADRIAN PETER LOOIJE     </li> </ul>
Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Disclosed herein is, amongst other things, a molding apparatus, comprising a stripper sleeve (116) for use in a first stack portion (110) of a mold stack (140), wherein the stripper sleeve (116) is configured to open a slide pair (122) of the first stack portion (110) and to strip a molded article (106) from the first stack portion (110).

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

(21) Application No.9799/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 12/11/2012 (43) Publication Date: 29/01/2016

#### (54) Title of the invention: IMPROVED HIP-JOINT PROSTHESIS •

(51) International classification	:A61B	(71)Name of Applicant:
(31) Priority Document No	:10162677.8	1)SMITH & NEPHEW ORTHOPAEDICS AG
(32) Priority Date	:12/05/2010	Address of Applicant :Erlen strae 4a CH-6343 Rotkreuz
(33) Name of priority country	:EPO	Switzerland
(86) International Application No	:PCT/EP2011/057685	(72)Name of Inventor:
Filing Date	:12/05/2011	1)DIRK WUNDERLE
(87) International Publication No	:WO/2011/141541	2)ALEX SEIDL
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method of optimizing the geometry of a femoral stem (20) of a hip joint prosthesis is disclosed. The femoral stem (20) comprises a neck (21) and an anchoring blade (29) that is attached to the neck (21) and that tapers towards a distal end (23) with a lateral narrow side (28) comprising a distal straight portion (33) and a proximal arcuate portion (32) corresponding to a curve. The transition between the distal straight portion (33) and the proximal arcuate portion (32) occurs at an outer lateral point (29). The method comprises a means of optimizing the profile of the curve of said proximal arcuate portion (32) by a process of iterative modeling steps using a series of curves each defined by a path traced by the outer lateral point (29) on withdrawal of a profile of the stem (20) from a cavity (35) of complementary shape to the stem (20). Preferably, during withdrawal of the profile of the stem (20) from the cavity (35) contact between lateral-distal (36) and proximal-medial (37) stem contours and respective associated boundaries of the cavity (35) are maintained. A femoral stem of a hip joint prosthesis produced by this method and a hip joint prosthesis system for use in the implantation of said femoral stem into a femur are also disclosed.

No. of Pages: 20 No. of Claims: 23

(21) Application No.7788/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : IMAGE SENSOR SYNCHRONIZATION WITHOUT INPUT CLOCK AND DATA TRANSMISSION CLOCK

<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>	:15/03/2014 :WO 2014/145246 :NA :NA	(71)Name of Applicant:  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 2)WICHERN Donald M.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The disclosure extends to systems and methods for reducing the area of an image sensor by reducing the imaging sensor pad count used for data transmission and clock generation.

No. of Pages: 31 No. of Claims: 22

(21) Application No.9656/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/11/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: ISOTOPE PREPARATION METHOD

(51) International classification	:G21G1/00,A61K51/02	(71)Name of Applicant:
(31) Priority Document No	:1007354.2	1)ALGETA ASA
(32) Priority Date	:30/04/2010	Address of Applicant :P.O. Box 54 Kjelss N 0411 Oslo
(33) Name of priority country	:U.K.	Norway
(86) International Application No	:PCT/EP2011/002155	(72)Name of Inventor:
Filing Date	:29/04/2011	1)KARLSON Jan Roger
(87) International Publication No	:WO 2011/134671	2)B~RRETZEN Peer
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention provides a method for the generation of Ra of pharmaceutically tolerable purity comprising i) preparing a generator mixture comprising Ac Th and Ra; ii) loading said generator mixture onto a strong base anion exchange resin; iii) eluting said Ra from said strong base anion exchange resin using a first mineral acid in an alcoholic aqueous solution to give a first eluted Ra solution; iv) loading the Ra of the first elutedRa solution onto a strong acid cation exchange resin; and v) eluting the Ra from said strong acid cation exchange resin using a second mineral acid in aqueous solution to provide a second eluted solution. The invention additionally provides products of corresponding purity and/or products obtained or obtainable by such a method.

No. of Pages: 37 No. of Claims: 24

(22) Date of filing of Application :07/11/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: ISOTOPE PRODUCTION METHOD

(51) International classification	:G21G1/00,A61K51/02	(71)Name of Applicant:
(31) Priority Document No	:1007353.4	1)ALGETA ASA
(32) Priority Date	:30/04/2010	Address of Applicant :P.O. Box 54 Kjelss N 0411 Oslo
(33) Name of priority country	:U.K.	Norway
(86) International Application No	:PCT/EP2011/002156	(72)Name of Inventor:
Filing Date	:29/04/2011	1)KARLSON Jan Roger
(87) International Publication No	:WO 2011/134672	2)B~RRETZEN Peer
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a method for the generation of Ra of pharmaceutically tolerable purity comprising: i) preparing a generator mixture comprising Ac Th and Ra in a first aqueous solution comprising a first mineral acid; ii) loading said generator mixture onto a DGA separation medium (e.g. resin); iii) eluting said Ra from said DGA separation medium using a second mineral acid in a second aqueous solution to give an eluted Ra solution; and iv) stripping the DGA separation medium of said Ac and Th by flowing a third mineral acid in a third aqueous solution through the DGA separation medium in a reversed direction; The invention further relates to high purity radium 223 formed or formable by such a method as well as pharmaceutical compositions comprising such radium 223 of pharmaceutical purity.

No. of Pages: 28 No. of Claims: 18

(21) Application No.9818/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 12/11/2012 (43) Publication Date: 29/01/2016

# (54) Title of the invention: CHANGE OF DIRECTION MACHINE AND METHOD OF TRAINING THEREFOR

(51) International classification	:A63B21/04	(71)Name of Applicant :
(31) Priority Document No	:61/348,164	1)GRAA INNOVATIONS LLC
(32) Priority Date	:25/05/2010	Address of Applicant :3883 Howard Hughes Parkway 8th
(33) Name of priority country	:U.S.A.	Floor Las Vegas Nevada 89169 U.S.A.
(86) International Application No	:PCT/US2011/000940	(72)Name of Inventor:
Filing Date	:25/05/2011	1)REYES Gil
(87) International Publication No	:WO 2011/149535	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(==)		1

#### (57) Abstract:

A change of direction machine provides training for various muscles and body structures of a user. In one embodiment the machine provides focused training for the muscles and body structures associated with making changes in the body s direction. The machine may comprise a pivoting arm assembly supported by a structure. The arm assembly may be configured to provide a resistance such that when a user engages the arm assembly a downward resistance may be applied to the user. The user may engage the arm assembly with his or her upper body and perform training or exercises involving lifting and lowering the user s body moving laterally or both. The machine may have various adjustable components to fit a user and to provide the desired resistance to the user.

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

(21) Application No.9819/DELNP/2012 A

1)TIJSSEN Pascal Maria Hubert Pierre

Address of Applicant :Het Overloon 1 NL 6411 TE Heerlen

1)DSM IP Assets B.V.

(72) Name of Inventor:

Netherlands

(19) INDIA

(22) Date of filing of Application:12/11/2012 (43) Publication Date: 29/01/2016

# (54) Title of the invention: A PACKAGE COMPRISING A STERILIZED CONTENT

(51) International classification: A61L2/07, B65B55/10, B65D77/04 (71) Name of Applicant: (31) Priority Document No :10166109.8

:16/06/2010 (32) Priority Date

(33) Name of priority country :EPO

(86) International Application :PCT/EP2011/059836

No :14/06/2011 Filing Date

(87) International Publication :WO 2011/157705

(61) Patent of Addition to

:NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract:

A package comprising a sterilized content characterized in that at least a part of the package wall has a moisture vapor transmission rate (MVTR) of between 100 and 1500 g/m.day measured according to ASTM E96/E96M 05 procedure B at 38 °C and 50% Relative Humidity.

No. of Pages: 12 No. of Claims: 9

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

(43) Publication Date: 29/01/2016

# (54) Title of the invention: A HERBAL VACCINE ADJUVANT AND A PROCESS OF EXTRACTION 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>	:A61K39/00 :NA :NA :NA :PCT// :01/01/1900 : NA :NA :NA :NA	(71)Name of Applicant:  1)DIRECTOR GENERAL, DEFENCE RESEARCH & DEVELOPMENT ORGANISATION  Address of Applicant: Ministry of Defence, Govt of India, Room no. 348, B-wing, DRDO Bhawan, Rajaji Marg, New Delhi 110011, India Delhi India (72)Name of Inventor:  1)JAYASHANKAR, Bindhya 2)SINGH, Divya 3)MISHRA, K. P. 4)CHANDA, Sudipta 5)KUMAR, Yogendra, M. S. 6)MISRA, Kshipra 7)UDAYASANKAR, K 8)GANJU, Lilly 9)SINGH, S. B
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#### (57) Abstract:

The present invention relates to herbal adjuvant(s), capable of enhancing the immunogenic effect of a vaccine used in immunization of mammals. Particularly, the invention provides a vaccine adjuvant based on herbal extract and an effective process of extraction thereof. The process is highly effective as it shows good extraction yield. The invention further provides an immunogenic composition comprising the vaccine adjuvant.

No. of Pages: 26 No. of Claims: 16

(21) Application No.2074/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :22/07/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention : NANOSTRUCTURED LIPIDIC-POLYMERIC PHARMACEUTICAL COMPOSITION ENCAPSULATING DRUGS

Filing Date :NA 3)SINGLA, Anurag	<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>	:A61K9/51 :NA :NA :NA :PCT// :01/01/1900 : NA :NA	(71)Name of Applicant:  1)PANJAB UNIVERSITY  Address of Applicant: University Institute of Pharmaceutical Scienses, Panjab University, Sector 14, Chandigarh -160014, India Chandigarh India (72)Name of Inventor:  1)KAUR, Indu, Pal 2)KAKKER, Shilps
Filing Date :NA	Filing Date (62) Divisional to Application Number	:NA :NA	2)KAKKER, Shilpa 3)SINGLA, Anurag

#### (57) Abstract:

The present invention relates to an effective carrier system for the sustained delivery of hydrophilic, lipophilic and ampiphilic drugs, particularly ocular drugs. Specifically, the invention provides solid lipid nanoparticle composition, particularly a nanostructured lipidic pharmaceutical composition encapsulating drugs. The composition is a sustained release composition which is highly effective as it allows the delivery of the drug to the eye including posterior segment of the eye (internal eye tissues).

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

(22) Date of filing of Application :22/07/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: SUGAR CONJUGATES OF N-ACETYL TRYPTOPHAN, SYNTHESIS 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>	:A61K 47/00 :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)DIRECTOR GENERAL, DEFENCE RESEARCH & DEVELOPMENT ORGANIZATION  Address of Applicant: Ministry of Defence, Govt. of India, Room No 348, B-Wing, DRDO Bhawan, Rajaji Marg, New Delhi 110001 Delhi India (72)Name of Inventor:  1)KUMAR, Raj 2)MISHRA, Saurabh 3)MALHOTRA, Poonam 4)SINGH, Praveen Kumar 5)GUPTA, Ashutosh Kumar 6)CHHACHHIA, Neha 7)SINGH, Shravan Kumar 8)TRIPATHI, Rajendra Prasad
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# (57) Abstract:

The present subject matter discloses a compound of formula I. The present subject matter also relates to a process for preparing the compound of formula I. The present subject matter further relates to use of the compound of formula I for radioprotective activity.

No. of Pages: 60 No. of Claims: 15

(22) Date of filing of Application :08/11/2012 (43) Publication Date : 29/01/2016

#### (54) Title of the invention: REACTION VESSEL FOR PCR DEVICE AND METHOD OF PERFORMING PCR

(51) International classification	:C07C	(71)Name of Applicant:
(31) Priority Document No	:10005237.2	1)CURETIS AG
(32) Priority Date	:19/05/2010	Address of Applicant :Max-Eyth-Strasse 42 71088
(33) Name of priority country	:EPO	Holzgerlingen Germany
(86) International Application No	:PCT/EP2011/002507	(72)Name of Inventor:
Filing Date	:19/05/2011	1)LDKE Gerd
(87) International Publication No	:WO/2011/144345	2)BOOS Andreas
(61) Patent of Addition to Application	:NA	3)MOTEJADDED Hassan
Number	:NA	4)BACHER Johannes
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention provides a reaction vessel (20) for a PCR device. The reaction vessel (20) comprises a sample vial (32) defining a reaction chamber (33) for performing PCR and a storage vessel (62) defining a storage chamber (63) for optical detection. The reaction chamber (33) is in fluid communication with a liquid supply port (34) for supplying a liquid sample containing at least one target DNA to the reaction chamber (33). The reaction chamber (33) and the storage chamber (63) are in fluid communication via a spacer element (42) and a porous membrane (51) for hybridization of the at least one target DNA within the liquid sample onto specific immobilised hybridization probes. The lower end of the spacer element (42) extends into the reaction chamber (33), but does not reach the bottom thereof. The upper end of the spacer element (42) is located in proximity of the porous membrane (51), which is made from a material having different physical properties in a dry state and a wet state. In the dry state the porous membrane (51) allows air as well as liquid to pass therethrough. In the wet state the porous membrane (51) still allows the passage of liquid therethrough, but not of air, such that during a PCR the liquid sample remains in the reaction chamber (33) and after the PCR the reaction vessel (20) is configured to force the liquid sample via the spacer element (42) to the porous membrane (51) for hybridization and detection of the at least one target DNA in the liquid sample. Moreover, a PCR device comprising such a reaction vessel (20) as well as a method for performing PCR are described.

No. of Pages: 33 No. of Claims: 20

(22) Date of filing of Application :08/11/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: NEGATIVE DRAWSTRING SEAL FOR AN OSTOMY BAG

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:B60S :PA 2010 70197 :10/05/2011	(71)Name of Applicant: 1)COLOPLAST A/S Address of Applicant: Holtedam 1 DK-3050 Humlebaek
<ul> <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>	:Denmark :PCT/DK2011/050158 :10/05/2011 :WO 2011/141029 :NA :NA :NA	Denmark (72)Name of Inventor: 1)ALASTAIR WILLOUGHBY 2)MARK ROGERS 3)GARY STACEY 4)WAI CHAN

#### (57) Abstract:

An ostomy body side member with a sealing member is provided. The sealing member has a fixed base member defining an opening having a first diameter and a resilient sealing element comprising a stoma receiving orifice defining an inner boundary. The inner boundary of the stoma receiving orifice has a second diameter that is smaller than the first diameter of the frame. The sealing member is also provided with at least one adjustment member coupled between the fixed base member and the resilient sealing element. Furthermore, an alignment member for adjusting the tension of the at least one adjustment member is provided thereby allowing the diametrical dimension of the stoma sealing orifice to be adjusted from a first diameter to a second diameter.

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

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: COLUMN FOR PERFORMING GAS/LIQUID MASS TRANSFER PROCESSES

(51) International classification	:B01D3/16,B01D3/30	(71)Name of Applicant:
(31) Priority Document No	:13158423.7	1)BASF SE
(32) Priority Date	:08/03/2013	Address of Applicant :67056 Ludwigshafen Germany
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:PCT/EP2014/054412	1)GIESE Reiner
Filing Date	:07/03/2014	2)SCHMIDT Egon
(87) International Publication No	:WO 2014/135672	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention relates to a column for performing gas/liquid mass transfer processes wherein at least one sluice (15) bounded by an upper separating base (17) and a lower separating base (19) is accommodated in the column (27) which sluice is designed in such a way that gas (23) flows through the sluice (15) and a liquid (25) lying on the upper separating base (17) during the mass transfer process the liquid (25) flows into the sluice (15) to the lower separating base (19) when the gas supply is interrupted and the liquid (25) drains downward from the sluice (15) when gas is supplied again. The lower separating base (19) comprises a rigidly mountable base (1) having at least one opening (3) and a rotatable base (13) which is connected to a rotatable shaft (21) which is fed through the rigidly mountable base (1) such that the rotatable base (13) can be rotated in relation to the rigidly mountable base (1) wherein the rotatable base (13) of the lower separating base (19) is designed in such a way that the at least one opening (3) in the rigidly mountable base (1) is closed in a first position of the rotatable base (13) and can be opened by rotating the rotatable base (13).

No. of Pages: 19 No. of Claims: 11

(21) Application No.7772/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: SELF LOCKING CYLINDER FOR A DOOR OF A MOTOR VEHICLE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:F16F9/58 :13158060.7	(71)Name of Applicant: 1)COMPAGNIE PLASTIC OMNIUM
(32) Priority Date	:06/03/2013	Address of Applicant :19 avenue Jules Carteret F 69007 Lyon
(33) Name of priority country		France
(86) International Application No		(72)Name of Inventor:
Filing Date	:06/03/2014	1)HERAULT Richard
(87) International Publication No	:WO 2014/135643	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NT A	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention concerns a cylinder (1) for a movable bodywork element of a motor vehicle capable of containing a fluid comprising a chamber (2) and a piston (3). The piston consists of a rod (32) and a head (31). The head (31) of the piston has a surface (310) opposite the rod that faces a surface (21) at the bottom of the chamber. The bottom of the cylinder chamber comprises at least one stop (4). The stop has a contact surface (41) impermeable to fluid that faces at least a portion of at least one of the surfaces (21; 310). The contact surface of the stop is arranged in such a way as to expel the fluid located between the contact surface (41) and the portion of at least one of the surfaces (21; 310).

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

(21) Application No.7807/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: LOCALISED ENERGY CONCENTRATION

<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 Filing Date</li> </ul>	:G21B3/00 :1304047.2 :06/03/2013 :U.K. :PCT/GB2014/050661 :06/03/2014 :WO 2014/135880 :NA :NA :NA	(71)Name of Applicant:  1)ISIS INNOVATION LIMITED  Address of Applicant: Ewert House Ewert Place Summertown Summertown Oxford Oxfordshire OX2 7SG U.K. (72)Name of Inventor:  1)VENTIKOS Yiannis 2)HAWKER Nicholas 3)BETNEY Matthew
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#### (57) Abstract:

A method of producing a localised concentration of energy comprises: creating at least one shockwave (8) propagating through a non gaseous medium (2) so as first to be incident upon a focusing pocket of fluid (4) within the medium (2). The focusing pocket of fluid (4) is positioned relative to a differently sized target pocket of gas (6) within the medium (2) and is arranged to shield the target pocket of gas (6) from the initial shockwave (8) such that the incidence of the shockwave (8) on the focusing pocket of fluid (4) concentrates the intensity of a shockwave subsequently incident upon the target pocket of gas (6). An apparatus for producing a localised concentration of energy is also provided.

No. of Pages: 56 No. of Claims: 54

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: NOVEL OXAZOLIDINONE DERIVATIVE AS CETP INHIBITOR ITS PREPARATION METHOD AND PHARMACEUTICAL COMPOSITION COMPRISING THE SAME

(71)Name of Applicant: (51) International :C07D413/14,A61K31/4523,A61P9/10 1)DONG A ST CO. classification Address of Applicant:64 Cheonho daero Dongdaemun gu (31) Priority Document No: 1020130034713 Seoul 130 823 Republic of Korea (32) Priority Date :29/03/2013 (72) Name of Inventor: (33) Name of priority :Republic of Korea 1)PARK Jang Hyun country 2)SONG Seung Hyun (86) International :PCT/KR2014/002677 3)CHUNG Han Kook Application No :28/03/2014 4)KIM Heung Jae Filing Date 5)LEE Ji Hye (87) International :WO 2014/157994 6) JANG Byung Jun **Publication No** 7)KIM Eun Jung (61) Patent of Addition to :NA 8)JUNG Hae Hum **Application Number** 9)RYU Chae Lim :NA Filing Date 10)HWANG Jae Sung (62) Divisional to :NA 11)LEE Hyung Ki **Application Number** 12)KANG Kyung Koo :NA Filing Date 13)KIM Soon Hoe

#### (57) Abstract:

Disclosed are a novel oxazolidinone derivative exhibiting inhibitory activity against CETP a preparation method thereof and a pharmaceutical composition comprising the same. Exhibiting excellent inhibitory activity against CETP the oxazolidinone derivative can be effectively applied to the prevention or treatment of various CETP enzyme activity or HDL cholesterol level related diseases such as dyslipidemia atherosclerosis and coronary heart disease.

No. of Pages: 209 No. of Claims: 22

(21) Application No.7809/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : APPARATUS AND METHODS FOR COMPUTING CARDIAC OUTPUT OF A LIVING SUBJECT VIA APPLANATION TONOMETRY

(51) International classification	:A61B5/021	(71)Name of Applicant :
(31) Priority Document No	:13/829061	1)TENSYS MEDICAL INC.
(32) Priority Date	:14/03/2013	Address of Applicant :5825 Oberlin Drive Suite 100 San
(33) Name of priority country	:U.S.A.	Diego CA 92121 U.S.A.
(86) International Application No	:PCT/US2014/029580	(72)Name of Inventor:
Filing Date	:14/03/2014	1)GOEDJE Oliver
(87) International Publication No	:WO 2014/153202	2)BOHN Matthias
(61) Patent of Addition to Application	:NA	3)HUNZIKER Patrick
Number	:NA	4)MOROZOV Oleksii
Filing Date	.IVA	5)FRIEDRICH Felix
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Apparatus and methods for calculating cardiac output (CO) of a living subject using applanation tonometry measurements. In one embodiment the apparatus and methods build a nonlinear mathematical model to correlate physiologic source data vectors to target CO values. The source data vectors include one or more measurable or derivable parameters such as: systolic and diastolic pressure pulse pressure beat to beat interval mean arterial pressure maximal slope of the pressure rise during systole the area under systolic part of the pulse pressure wave gender (male or female) age height and weight. The target CO values are acquired using various methods across a plurality of individuals. Multidimensional nonlinear optimization is then used to find a mathematical model which transforms the source data to the target CO data. The model is then applied to an individual by acquiring physiologic data for the individual and applying the model to the collected data.

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

(21) Application No.8932/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/10/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: RECOVERY AND SEPARATION OF CRUDE OIL AND WATER FROM EMULSIONS

<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>	:C07C :12/757,008 :08/04/2010 :U.S.A. :PCT/US2011/031049 :04/04/2011	(71)Name of Applicant:  1)WILLIAM MARSH RICE UNIVERSITY Address of Applicant:6100 Main St. Houston Texas 77005 U.S.A.  2)NALCO COMPANY (72)Name of Inventor:
<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> </ul>	:NA :NA :NA	1)HIRASAKI George J. 2)MILLER Clarence A. 3)RANEY Olina G. 4)HERA John JR. 5)NGUYEN Duy
Filing Date	:NA	6)POINDEXTER Michael

#### (57) Abstract:

A composition and method demulsify a produced emulsion from anionic surfactants and polymer (SP) and alkali surfactants and polymer (ASP). The produced emulsion is demulsified into oil and water. In one embodiment the composition includes a surfactant. The surfactant comprises a cationic surfactant an amphoteric surfactant or any combinations thereof.

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

(22) Date of filing of Application :08/11/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: METHOD FOR PRODUCING TETRAFLUOROPROPENES •

<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</li> <li>Filing Date</li> </ul>	:C07C :61/329,327 :29/04/2010 :U.S.A. :PCT/US2011/033836 :26/04/2011 :WO/2011/139646 :NA :NA	(72)Name of Inventor: 1)SELMA BEKTESEVIC 2)HSUEH S. TUNG 3)HAIYOU WANG
. ,		

## (57) Abstract:

The current invention relates to a process for making a tetrafluoropropene using a tetrafluorochloropropane and/or a pentafluoropropane as starting or intermediate reagents. More specifically, though not exclusively, the present invention relates to a novel method for preparing a tetrafluoropropene by dehydrohalogenating a starting or intermediate tetrafluorochloropropane and/or pentafluoropropane material in the presence of a caustic solution at a temperature range greater than 40°C and less than or equal to 80°C.

No. of Pages: 20 No. of Claims: 11

(21) Application No.9698/DELNP/2012 A

(19) INDIA

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

(43) Publication Date: 29/01/2016

# (54) Title of the invention : METHOD OF LAYING A PIPELINE FROM A LAYING VESSEL ONTO THE BED OF A BODY OF WATER AND LAYING VESSEL

<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>	:F16L1/235 :MI2010A000829 :10/05/2010 :Italy :PCT/IB2011/000984 :10/05/2011 :WO 2011/141793	(71)Name of Applicant: 1)SAIPEM S.P.A. Address of Applicant: Via Martiri di Cefalonia 67 San Donato Milanese Italy (72)Name of Inventor: 1)MASSARI Giovanni 2)SCARPA Matteo
<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 of laying a pipeline from a laying vessel into a body of water; the method including the steps of: guiding the pipeline (2) along a supporting structure (13) of a laying ramp (6) by means of a number of guide devices (14); acquiring an image of the pipeline (2) in an acquisition plane crosswise to the axis of the pipeline (2) at the free end of the laying ramp (6); determining whether the acquired image is within an acceptance range (AR) predetermined as a function of the configuration of the supporting structure (13) and the size of the pipeline (2); and emitting an error signal (E) when the acquired image is not within the acceptance range (AR).

No. of Pages: 27 No. of Claims: 22

(21) Application No.7819/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: CONDENSED VAPOR COLLECTION SYSTEM AND METHOD

(51) International classification	:E03B3/28,F28B3/00	(71)Name of Applicant:
(31) Priority Document No	:61/783831	1)SSPP LLC
(32) Priority Date	:14/03/2013	Address of Applicant :8670 W Cheyenne Ave Ste 2008 Las
(33) Name of priority country	:U.S.A.	Vegas Nevada 89129 U.S.A.
(86) International Application No	:PCT/US2014/029028	(72)Name of Inventor:
Filing Date	:14/03/2014	1)BOUDEMAN Joseph W.
(87) International Publication No	:WO 2014/153093	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

An apparatus and/or system for collecting atmospheric and soil vapor condensate and transferring said condensate to a storage vessel for use in farming or other applications. In some embodiments an apparatus can comprise a substantially planar member having at least one perimeter edge a first collection device coupled with at least a portion of said at least one perimeter edge of said substantially planar member said substantially planar member being coupled with at least one elongated support member and at least one storage vessel for accepting and storing accumulated vapor condensate said at least one storage vessel being coupled with said at least one elongated support member.

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

(21) Application No.7796/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: GLASS PANEL COMPRISING A SOLAR CONTROL LAYER

<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>	:C03C17/36 :2013/0168 :14/03/2013 :Belgium :PCT/EP2014/052943 :14/02/2014 :WO 2014/139755 :NA :NA	(71)Name of Applicant:  1)AGC GLASS EUROPE Address of Applicant: Avenue Jean Monnet 4 B 1348 Louvain La Neuve Belgium (72)Name of Inventor: 1)MAHIEU Stijn 2)DUSOULIER Laurent
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a solar control glass panel comprising on at least one of the surfaces of a glass substrate a multilayer stack including at least one solar radiation absorption layer and dielectric coatings surrounding said solar radiation absorption layer. According to the invention the solar radiation absorption layer is a metal alloy layer made from zirconium and chromium. The multilayer stack includes between the substrate and the solar radiation absorption layer as well as on top of the solar radiation absorption layer at least one coating made of a dielectric material made from a compound selected from among silicon oxide aluminum oxide silicon nitride aluminum nitride mixed aluminum/silicon nitrides silicon oxynitride and aluminum oxynitride. The invention is particularly useful as a motor vehicle glass panel particularly for the roof as a building glass panel or as a household stove door.

No. of Pages: 43 No. of Claims: 25

(21) Application No.8953/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :15/10/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: DEVICE FOR THE PREPARATION OF FLOCK FIBRES TO BE SUPPLIED TO A CARDER

(51) International classification:D01G 9/06(31) Priority Document No:PCT/IT2007/000512(32) Priority Date:19/07/2007

(33) Name of priority country :Italy

(86) International Application No :PCT/IB2008/052879

Filing Date :17/07/2009 (87) International Publication No :WO 2009/010935

(61) Patent of Addition to Application
Number
Filing Date
:NA

(62) Divisional to Application Number :7973/DELNP/2009

Filed on :17/07/2008

(71)Name of Applicant: 1)MARZOLI S.P.A.

Address of Applicant: VIA S. ALBERTO, 10, I-25036 PALAZZOLO SULLL'OGLIO, BRESCIA, ITALY; Italy

(72)Name of Inventor:

1)MASCHERETTI, MARIO

### (57) Abstract:

The present invention relates to a depipe (12), a pair of silos (16), a pair of feeding wheels (20,22), positioned on the bottom of each silo (16), an opening wheels (20,22), a single conveyor roller (80), fed by the two opening wheels (40) by means of converging pipes.

No. of Pages: 32 No. of Claims: 13

(22) Date of filing of Application :15/10/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: A METHOD AND A SYSTEM FOR DETERMINING A VIDEO FRAME TYPE

<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 Filing Date</li> </ul>	:G06F :10175505.6 :06/09/2010 :EPO :PCT/EP2011/065248 :05/09/2011 :WO 2012/031995 :NA :NA :NA	(71)Name of Applicant:  1)ADVANCED DIGITAL BROADCAST S.A. Address of Applicant: Avenue de Tournay 7 CH-1292 Chambesy Switzerland (72)Name of Inventor: 1)HREBIEN Maciej 2)KOBZDA Piotr 3)SZAJNA Tomasz
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#### (57) Abstract:

A computer-implemented method for determining a video frame type comprising the steps of: receiving a video frame analyzing the video frame in a plurality of frame type detectors (211 212) using at least one algorithm configured to output a plurality of type coefficients (pLR pTB p2D) indicative of a probability that the frame is of a 2D or 3D type wherein at least two of the coefficients (pLR pTB p2D) are calculated independently of each other and wherein the sum of the probability coefficients can be different than 100% wherein each of the frame type detectors (211 212) utilizes at least one algorithm different than the algorithms utilized by the other frame type detectors (211 212) and wherein the frame type detectors (211 212) operate in parallel and generating a predicted frame type indicator based on the type coefficients (p).

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

(22) Date of filing of Application :09/11/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: CONDITIONAL COMPARE INSTRUCTION •

(51) International classification	:A47J	(71)Name of Applicant:
(31) Priority Document No	:1007890.5	1)ARM LIMITED
(32) Priority Date	:11/05/2010	Address of Applicant:110 Fulbourn Road Cherry Hinton
(33) Name of priority country	:U.K.	Cambridge CB1 9NJ U.K.
(86) International Application No	:PCT/GB2011/050719	(72)Name of Inventor:
Filing Date	:12/04/2011	1)DAVID JAMES SEAL
(87) International Publication No	:WO/2011/141726	2)SIMON JOHN CRASKE
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An instruction decoder (14) is responsive to a conditional compare instruction to generate control signals for controlling processing circuitry (4) to perform a conditional compare operation. The conditional compare operation comprises: (i) if a current condition state of the processing circuitry (4) passes a test condition, then performing a compare operation on a first operand and a second operand and setting the current condition state to a result condition state generated during the compare operation; and (ii) if the current condition state fails the test condition, then setting the current condition state to a fail condition state specified by the conditional compare instruction. The conditional compare instruction can be used to represent chained sequences of comparison operations where each individual comparison operation may test a different kind of relation between a pair of operands.

No. of Pages: 53 No. of Claims: 20

(21) Application No.9716/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/11/2012

(43) Publication Date: 29/01/2016

# (54) Title of the invention: FLAME RESISTANT TEXTILE MATERIALS •

<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 Filing Date</li> </ul>	:D06N1/00 :12/777,209 :10/05/2010 :U.S.A. :PCT/US2011/035669 :09/05/2011 :WO/2011/143076 :NA :NA	(71)Name of Applicant:  1)MILLIKEN & COMPANY Address of Applicant:920 Milliken Road M-495 Spartanburg South Carolina 29303 U.S.A. (72)Name of Inventor: 1)SHULONG LI 2)J. TRAVIS GREER 3)JAMES D. CLIVER 4)JACK W. SPOON
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#### (57) Abstract:

A flame resistant textile material comprises cellulosic fibers and Inherent flame retardant fibers. The flame resistant textile material can be treated with one or more flame retardant treatments to impart flame resistance to the cellulosic fibers.

No. of Pages: 32 No. of Claims: 31

(21) Application No.7760/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/08/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: MICROBIAL FUEL CELL HAVING ELECTRICALLY CONDUCTIVE FOAM ELECTRODE

<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>	:61/772834 :05/03/2013 :U.S.A.	(71)Name of Applicant:  1)HONEYWELL INTERNATIONAL INC. Address of Applicant: 101 Columbia Road P. O. Box 2245 Morristown New Jersey 07962 2245 U.S.A. (72)Name of Inventor: 1)SHERIDAN William
<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 microbial fuel cell includes an anode and a cathode in at least one compartment. A wastewater inlet provides a wastewater flow to the anode and an electron receptor inlet provides oxygen or other electron acceptor to the cathode. Pollutant degrading microorganisms are in contact with the anode. A conduit electrically connects the anode to the cathode through an external circuit. At least the anode includes a polymeric foam substrate providing flow through having electrically conductive material interspersed within or electrically conductive material is attached to the polymeric foam substrate by a binder or by chemical bonds.

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

(22) Date of filing of Application :28/08/2015

(43) Publication Date: 29/01/2016

# (54) Title of the invention : CERAMIC PREPARATION METHOD, RESULTING CERAMICS AND USE THEREOF, PARTICULARLY AS A CATHODE SPUTTERING TARGET

:16/12/2008

(51) International classification	:C25B11/04,	(71)Name of Applicant:
(51) International classification	C04B35/01	1)Centre National De La Recherche Scientifique
(31) Priority Document No	:2,547,091	Address of Applicant :3, Michel Ange, Paris cedex 16, 75794
(32) Priority Date	:18/05/2006	(FR) France
(33) Name of priority country	:Canada	2)Hydro-Qubec
(86) International Application No	:PCT/CA2007/000881	(72)Name of Inventor:
Filing Date	:17/05/2007	1)CAMPET, Guy
(87) International Publication No	:WO2007/134439	2)SAADEDDIN, Iyad
(61) Patent of Addition to Application	:NA	3)ZAGHIB, Karim
Number	:NA :NA	
Filing Date	.INA	
(62) Divisional to Application Number	:10405/DELNP/2008	

## (57) Abstract:

Filed on

The invention relates to a method for preparing a ceramic from an inorganic base material in the form of a powder with a high boiling point, including a step in which the powder of the inorganic base material is mixed with a second inorganic component which is also in powder form and which serves as a dopant for the inorganic base material. The dopant comprises a single inorganic material or a mixture of at least two inorganic materials that have a dopant effect on the inorganic base material. The method also includes a sintering step performed at a high temperature. Owing to the high density thereof, the resulting ceramics are suitable for use as a target element. The films and electrodes obtained from said ceramics have particularly beneficial properties.

No. of Pages: 78 No. of Claims: 21

(21) Application No.5731/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: METHODS OF TREATMENT OF FIBROSIS AND CANCERS

(51) International :A61K31/192,A61P35/00,A61P35/02

classification

:NA

(31) Priority Document No :13305067.4 (32) Priority Date :18/01/2013 (33) Name of priority

:EPO

country

(86) International :PCT/EP2014/051060

Application No :20/01/2014 Filing Date

(87) International

:WO 2014/111584 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** 

(71) Name of Applicant:

1)GENFIT

Address of Applicant :Parc Eurasant Lille Mtropole 885

avenue Eug"ne Avine F 59120 Loos France

(72)Name of Inventor:

1)HANF Rmy 2)HUM Dean

3)WALCZAK Robert

4)NOEL Beno®t

## (57) Abstract:

Filing Date

The present invention relates to the use of compound 1-[4-methylthiophenyl]-3-[3,5-dimethyl-4-carboxydimethylmethyloxyphenyl] prop-2-en-l-one for treating fibrotic diseases and cancers.

No. of Pages: 36 No. of Claims: 9

(22) Date of filing of Application :25/03/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: METHOD OF MAKING A BRACKET ASSEMBLY FOR A BRAKE 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> </ul>	:14/340,800 :25/07/2014 :U.S.A. :NA :NA :NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method of making a bracket assembly for a brake assembly. The method may include rotary friction welding a mounting flange and/or a brake wing to a camshaft tube that may receive a camshaft for actuating a brake pad assembly. Rotation of the mounting flange, brake wing, and/or the camshaft tube about the axis may be controlled to fix an angular position of the mounting flange with respect to the camshaft tube within a predetermined tolerance.

No. of Pages: 24 No. of Claims: 20

(22) Date of filing of Application :29/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : ENGINE BLOCK OF A DIESEL ENGINE WITH INTEGRATED CYLINDER HEAD ,AND CASTING METHOD

:F02F1/00,B22C9/10,F01P3/14 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)STEYR MOTORS GMBH (32) Priority Date Address of Applicant: Im Stadtgut B 1 A 4407 Steyr Austria :NA (33) Name of priority country (72)Name of Inventor: :NA (86) International Application No :PCT/AT2013/000198 1)MANDORFER Rudolf Filing Date :10/12/2013 2) ASCHABER Michael (87) International Publication No :WO 2015/085333 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

## (57) Abstract:

The invention relates to an engine block for a diesel engine with multiple cylinders in a series arrangement said engine block being integrally cast with the cylinder head. The engine block has an outer wall (21) and a respective cylinder wall (13) with a first cooling chamber (22) for a liquid coolant between the outer wall, and the cylinder wall and the engine block has a second cooling chamber (25) over a cylinder base (14). The cylinder base (14) has openings (15, 16) for gas exchange valves, and the first cooling chamber (22) encloses all of the cylinder walls (13). The aim of the invention is to reinforce and optimally cool the vulnerable zone at the transition from the cylinder wall (13) to the cylinder base (14). According to the invention the first cooling chamber (22) forms a gap (23) between the cylinder walls (13) of adjacent cylinders, the width (35) of said gap being constant or increasing from top to bottom.

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

(21) Application No.5719/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: METHOD FOR THE DETECTION OF ANALYTES VIA LUMINESCENCE QUENCHING

(51) International (71)Name of Applicant: :G01N21/64,C07D333/10,C07C211/54 classification 1)THE UNIVERSITY OF QUEENSLAND (31) Priority Document No: 2012905287 Address of Applicant :St Lucia Queensland 4072 Australia (32) Priority Date :04/12/2012 (72) Name of Inventor: 1)BURN Paul Leslie (33) Name of priority :Australia country 2)MEREDITH Paul (86) International 3)SHAW Paul Edward :PCT/AU2013/001410 Application No :04/12/2013 Filing Date (87) International :WO 2014/085858 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA Application Number :NA Filing Date

## (57) Abstract:

A sensing element for use in the detection of an analyte based on a luminescent response, the sensing element comprising a luminescent triaryl amine compound provided as a coating on a substrate.

No. of Pages: 56 No. of Claims: 12

(21) Application No.8840/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 11/10/2012 (43) Publication Date: 29/01/2016

## (54) Title of the invention: REINFORCEMENT STRUCTURE OF RECTANGULAR FLAT METAL PLATE

<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>	:C22C :2010-058838 :16/03/2010 :Japan :PCT/JP2011/056181 :16/03/2011 :WO 2011/115160 :NA	(71)Name of Applicant:  1)SUZUKI LABORATORY OF MATERIAL AND STRUCTURE CO. LTD.  Address of Applicant: 10-1 Kamata 2-chome Ota-ku Tokyo 1440052 Japan  2)NIPPON STEEL ENGINEERING CO. LTD. (72)Name of Inventor:  1)TOSHIRO SUZUKI
` '		1` '

### (57) Abstract:

Disclosed is a reinforcement structure of a rectangular flat metal plate, which is provided with: a rectangular flat metal plate that is predominantly subjected to in-plane 5 shear, and supports a compressive load as necessary; strip-like rectangular section members that are spliced in parallel with both side edges of the flat plate in the longitudinal direction so as to reinforce the flat plate; and a plurality of square tubelike members that are parallelly arranged for each constant interval in the shorter side direction of the flat plate, and are spliced on one side surface of the flat plate, or are 10 spliced so as to overlap one another across the flat plate between both surfaces of the front and back of the flat plate, wherein the torsional rigidity and torsional strength of the rectangular flat metal plate are increased to ensure a yield shear load, and shear yield strength can be stably maintained even in the transition of shear deformation after the yield.

No. of Pages: 44 No. of Claims: 6

(21) Application No.8831/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :11/10/2012 (43) Publication Date : 29/01/2016

## (54) Title of the invention: IMPROVED LENS FOR LED

(51) International classification	:F21V5/04	(71)Name of Applicant:
(31) Priority Document No	:CR2010A000012	1)VENTURINI Lucilla
(32) Priority Date	:16/04/2010	Address of Applicant :Viale Lombardia,9,I-20090
(33) Name of priority country	:Italy	Buccinasco(MI) Italy
(86) International Application No	:PCT/IT2011/000112	2)VENTURINI Tatiana
Filing Date	:13/04/2011	3)VENTURINI Vittoria
(87) International Publication No	:WO 2011/128926	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)VENTURINI Lucilla
Number	:NA	2)VENTURINI Tatiana
Filing Date	.IVA	3)VENTURINI Vittoria
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to the lighting field and concerns an improved lens (1) for LED (L) comprising: an optical body (2) with a substantially truncated cone or circular paraboloid shape with a larger base (3) facing outwards and a smaller base (4) arranged for receiving in a special recess (5) a LED (L) associated to an electronic board (6) coupled to a support base (11); a top closing wall (13) associated to said larger base (3); side walls (7) integral with said optical body (2) and said top closing wall (13) arranged for delimiting a space volume (V) comprised between the side surface. (2) of said optical body (2) the inside surface (7) of said walls (7) the top closing wall (13) and the face of said electronic board (6) associated to said support base (11) wherein said lens (1) comprises a solid shaped block (8) arranged for filling said space volume (V) and for coupling with said side walls (7) cooperating therewith by interference.

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

(22) Date of filing of Application :11/10/2012 (43) Publication Date : 29/01/2016

## (54) Title of the invention: DEVICE FOR FORMING AN OPENING ADAPTED TO RECEIVE A CRANIAL PLUG •

(51) International classification	:B60F	(71)Name of Applicant:
(31) Priority Document No	:20100100149	1)KLIS INSTRUMENTS
(32) Priority Date	:12/03/2010	Address of Applicant : Anonimi Etaireia Iatrikon Ergalion 80
(33) Name of priority country	:Greece	Sevastoupoleos Str. GR-115 26 Athens Greece
(86) International Application No	:PCT/GR2011/000011	2)ELEFTHERIOS KOSMIDIS
Filing Date	:14/03/2011	3)DIMITRIOS KARABETSOS
(87) International Publication No	:WO 2011/110874	4)ANTONIOS VAKIS
(61) Patent of Addition to Application	:NA	(72)Name of Inventor:
Number	:NA	1)ELEFTHERIOS KOSMIDIS
Filing Date	.11/1	2)DIMITRIOS KARABETSOS
(62) Divisional to Application Number	:NA	3)ANTONIOS VAKIS
Filing Date	:NA	4)ARISTIDES DIMITSOGLOU

#### (57) Abstract:

Device adapted to perform appropriate forming of openings (3) made in the skull (2) during cran- iotomy with an opening (4) of enlarged diameter that may thereafter be filled with a standardised cranial plug, the de-vice comprising a cylindrical body member (6)with a rear end extending into a shaft(8)coupled in a rotary power supply source and a frontal end provided with a cutting head (8a) with cutting teeth of triangular section and a guide head (10) comprising a first cylindrical portion (10a) having a diameter equivalent to the corresponding diameter of opening (3) that extends forwardly of the cutting head (8a) and is inserted into opening (3) stabilizing the device and allowing subsequent drilling of opening (3) with the cutting head (8a)to form the abovementioned opening (4) of enlarged diameter, the drilling operation being terminated with the contact of a circumferential ring (7)provided at the frontal end of the cylindrical body member (6)onto the skull (2).

No. of Pages: 17 No. of Claims: 7

(22) Date of filing of Application :09/11/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: A METHOD OF MANUFACTURING A CONNECTOR & NBSP; AND A CONNECTOR •

<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>	:H02J :10275042.9 :16/04/2010 :EPO :PCT/EP2011/055981 :15/04/2011 :WO 2011/128428 :NA :NA	(71)Name of Applicant: 1)ASTRIUM LIMITED Address of Applicant:Gunnels Wood Road Stevenage Hertfordshire SG1 2AS U.K. (72)Name of Inventor: 1)MARK ANTHONY KUNES 2)PAUL THOMAS MCMAHON
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method of manufacturing a connector (10; 60) comprising forming an outer connection element (20) or inner connection element (90) having fingers (22, 92). The fingers (22, 92) are deformed to an angle to a longitudinal axis. The connection element (90) is heat treated with the fingers (22, 92) restrained at the angle to the longitudinal axis such that the fingers (22, 92) are permanently deformed to extend at the angle to the longitudinal axis.

No. of Pages: 28 No. of Claims: 17

(21) Application No.9742/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/11/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: PLASTIC VEHICLE-INTERIOR-PART WITH AN IMPACT 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> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:C08F :61/325,914 :20/04/2010 :U.S.A. :PCT/US2011/033148 :20/04/2011 :WO/2011/133613 :NA :NA	(71)Name of Applicant:  1)JOHNSON CONTROLS TECHNOLOGY COMPANY Address of Applicant:915 E. 32nd Street Holland MI 49424 U.S.A. (72)Name of Inventor: 1)JAMES D. BIEBEL 2)ED HARRISON 3)ROBERT E. WILSON 4)BRIAN ZAHARIA 5)MIKE CORVINO
(61) Patent of Addition to Application Number	:NA	3)ROBERT E. WILSON 4)BRIAN ZAHARIA
(62) Divisional to Application Number Filing Date	:NA :NA	SAMINE CORVINO

# (57) Abstract:

A plastic vehicle interior-part with an impact module, whereas the impact module is made from an example plastic foam material.

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

(21) Application No.9751/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/11/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: HANDLING •

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:A47J :10 162 380.9 :10/05/2010	(71)Name of Applicant:  1)B. BRAUN MELSUNGEN AG  Address of Applicant: Carl-Braun-Strae 1 34212 Melsungen
<ul> <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 Filing Date</li> </ul>	:ЕРО	Germany (72)Name of Inventor: 1)MICHEL PITTET 2)CAROLINE ANSERMET 3)BASTIEN ECABERT 4)C‰DRIC BERCHIER

#### (57) Abstract:

The present invention refers to a flexible single or multiple chamber bag for storing medical products comprising at least one chamber. In particular the invention refers to a flexible single or multiple chamber bag (10) for storing medical products comprising a hanger flap (11) extending from the top end of said bag, characterized in that said flap (11) contains: a) two mirror inverted circular cuttings (1) and (2) of an angle of 145° to 180°, wherein one end of each of said cuttings (1) and (2) is spaced apart by a connecting cutting (3) being essentially being straight-lined having a length of 4 times to 10 times the radius of said circular cuttings (1, 2) and b) two mirror inverted circular cuttings (4) and (5) of an angle of 180° to 270°, having a radius of 0,3 to 0,7 of the radius of said cutting (1) and (2), wherein one end of each of said cuttings (4) and (5) is spaced apart by a connecting cutting (6) having the shape of the letter U, c) wherein said cuttings (1), (2), (4), and (5) are positioned along a common mirror symmetry axis through the centers of said cuttings (3) and (6) and the basis of said letter U and d) the distance of the center of said cutting (3) and the basis of said letter U corresponds to the 0,5 to 1,5 times the radius of said cuttings (1) and (2).

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

(21) Application No.9752/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/11/2012 (43) Publication Date : 29/01/2016

(54) Title of the invention: SHAPE

<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 Filing Date</li> </ul>	:A47J :10 162 376.7 :10/05/2010 :EPO :PCT/EP2011/056962 :02/05/2011 :WO/2011/141318 :NA :NA :NA	(71)Name of Applicant:  1)B. BRAUN MELSUNGEN AG Address of Applicant: Carl-Braun-Strae 1 34212 Melsungen Germany (72)Name of Inventor: 1)MICHEL PITTET 2)CAROLINE ANSERMET 3)BASTIEN ECABERT 4)C‰DRIC BERCHIER
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#### (57) Abstract:

The present invention refers to a flexible multiple chamber bag for storing medical products comprising three chambers: a) three adjacent chambers, a first chamber (1) partially separating a second upper chamber (2) from a third lower chamber (3) by welded seams (4) and (5), b) said second chamber (2) and said third chamber (3) being partially connected by a welded seam (6), c) said welded seams (5) and (6) being peelable when applying pressure on the bag (10), said welded seams (5) and (6) having the shape of an inverse letter V with increasing angle of the lines of said V, each welded seam (5) and (6) starting at the basic point (8) of said V and terminating essentially in a right angle at the circumference weld (7) of said bag (10), d) said basic point (8) of said V being fixed and non peelable when applying pressure on the bag (10), starting at the basic point (8) of said V and terminating essentially in a right angle at the circumference weld (7) of said bag (10), starting at the basic point (8) of said V and terminating essentially in a right angle at the circumference weld (7) of said bag (10), f) said bag (10) comprising a hanger flap extending from the top end of said bag (10) next to said chamber (2) within said circumferential weld (7) and g) a medical port (9) welded to the lower end of said circumferential weld (7).

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

(21) Application No.9754/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/11/2012 (43)

(43) Publication Date: 29/01/2016

# (54) Title of the invention: IMPROVED DELIVERY OF SHORT MESSAGES

(51) International classification	:H04W4/14,H04W40/00	(71)Name of Applicant:
(31) Priority Document No	:PCT/EP2010/056559	1)NOKIA SIEMENS NETWORKS OY
(32) Priority Date	:12/05/2010	Address of Applicant :Karaportti 3 FI 02610 Espoo Finland
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:PCT/EP2011/057003	1)WIEHE Ulrich
Filing Date	:03/05/2011	2)VARGA Jozsef
(87) International Publication No	:WO 2011/141319	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Methods apparatuses system and a computer program product for improved delivery of short messages. A method is described comprising receiving a message to be delivered to a user equipment negotiating a timer value with a short message service routing element forwarding said short message to said short message service routing element together with the negotiated timer value and starting a timer according to said negotiated timer value.

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

(22) Date of filing of Application :09/11/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention : METHOD OF PREPARING POLYCRYSTALLINE DIAMOND FROM DERIVATIZED NANODIAMOND $\bullet$

<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> </ul>	:G06Q :61/324,142 :14/04/2010 :U.S.A. :PCT/US2011/030924 :01/04/2011 :WO/2011/130023 :NA :NA	(71)Name of Applicant:  1)BAKER HUGHES INCORPORATED  Address of Applicant: PO Box 4740 Houston Texas 77210-4740 U.S.A.  (72)Name of Inventor:  1)SOMA CHAKRABORTY  2)GAURAV AGRAWAL  3)ANTHONY A. DIGIOVANNI
(61) Patent of Addition to Application Number		· ·
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

A method of forming a polycrystalline diamond comprises derivatizing a nanodiamond to form functional groups, and combining the derivatized nanodiamond with a microdiamond having an average particle size greater than that of the derivatized nanodiamond, and a metal solvent-catalyst. A polycrystalline diamond compact is prepared by adhering the polycrystalline diamond to a support, and an article such as a cutting tool may be prepared from the polycrystalline diamond compact.

No. of Pages: 32 No. of Claims: 26

(21) Application No.8883/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/10/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: NOZZLE-TIP INSULATOR HAVING CONCENTRIC VOID FORMATION •

<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>	:A63J :61/323,374 :13/04/2010 :U.S.A. :PCT/CA2011/050160 :29/03/2011 :WO 2011/127596 :NA :NA :NA	(71)Name of Applicant:  1)HUSKY INJECTION MOLDING SYSTEMS LTD. Address of Applicant:500 Queen Street South Bolton Ontario L7E 5S5 Canada U.S.A. (72)Name of Inventor: 1)GREGORY RAY HAMMOND
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#### (57) Abstract:

A nozzle-tip insulator (100), comprising: a nozzlecontact surface (102); a mold-gate contact surface (104) being offset from the nozzle-contact surface (102); and a body (106) connecting the nozzle-contact surface (102) with the mold-gate contact surface (104), the body (106) being resiliently compressible, the body (106) defining a void formation (log), and the body (106) and the void formation (108) being coaxially concentrically positioned relative to each other.

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

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

(43) Publication Date: 29/01/2016

# (54) Title of the invention : APPARATUS FOR ELECTROSTATICALLY SPRAYING A COATING PRODUCT AND METHOD FOR CONTROLLING GENERATOR FOR SUPPLYING POWER TO A HIGH VOLTAGE UNIT IN SUCH AN 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></ul>	:B05B5/03,B05B5/053,B05B1/30 :1353185 :09/04/2013 :France	(71)Name of Applicant: 1)SAMES TECHNOLOGIES Address of Applicant:13 Chemin de Malacher F 38240 Meylan France
(86) International Application No Filing Date (87) International Publication	:PCT/EP2014/056980 :08/04/2014	(72)Name of Inventor: 1)GOISOT Gilles 2)DI GIOIA Michel
No (61) Patent of Addition to Application Number Filing Date	:WO 2014/166902 :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to an apparatus (1) for electrostatically spraying a coating product, said apparatus including an o sprayer (1) provided with a first pipe (4) and with a second pipe (5), in which pipes the flow of coating product and air is controlled by at least one valve (6, 7). Said sprayer (1) includes means (15) for controlling the opening/closing of the valve, a high voltage unit(10), as well as a generator (8) for supplying power to the high voltage unit (10). In addition, a module (12) for controlling the power supplied to the high tension unit is included in the generator (8). The sprayer (1) also includes at least one first sensor (17) suitable for detecting the position of a shutter (62, 72) of the valve (6, 7) relative to a seat (64, 74) and for outputting a signal (SI) that can be used by the control module (12) in order to control the power supplied to the high voltage unit (10), as well as a second sen - sor (18) suitable for detecting the position of a switch (19) positioned on the spray gun (1) and for outputting a signal (SI) that can be used by the control module (12) in order to control the power supply (8) of the high tension unit(10)

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

(21) Application No.9061/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: IMPROVEMENTS IN AND RELATING TO SENSITIVITY TIME CONTROL FOR RADARS

<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 Filing Date</li> </ul>	:1307435.6 :25/04/2013 :U.K.	(71)Name of Applicant:  1)BAE SYSTEMS PLC Address of Applicant: 6 Carlton Gardens London SW1Y 5AD  U.K. (72)Name of Inventor: 1)BARROW Ian
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#### (57) Abstract:

Disclosed is a method of providing selective attenuation in a Radar receiver, comprising the steps of: receiving a plurality of returns; identifying in a first scan, a return of a magnitude exceeding a predetermined threshold; applying in a subsequent scan, a predetermined desensitisation profile to said return. Also disclosed is a Radar receiver arranged to perform the method.

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

(21) Application No.9062/DELNP/2015 A

(19) INDIA

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

(43) Publication Date: 29/01/2016

# (54) Title of the invention : SURGICAL INSTRUMENT SHAFT INCLUDING SWITCHES FOR CONTROLLING THE OPERATION OF THE SURGICAL 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 Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:61/812365 :16/04/2013 :U.S.A.	(71)Name of Applicant:  1)ETHICON ENDO SURGERY INC.  Address of Applicant: 4545 Creek Road Cincinnati Ohio 45242 U.S.A. (72)Name of Inventor:  1)BOUDREAUX Chad P.  2)SHELTON Frederick E. IV  3)BAXTER Chester O. III
		3)BAXTER Chester O. III
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A surgical instrument system is disclosed. The surgical instrument system can include a handle and a plurality of shafts which can be selectively assembled to the handle. Each shaft can include a system of sensors which can direct the operation of the handle during use.

No. of Pages: 252 No. of Claims: 30

(22) Date of filing of Application :01/10/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: POLYSIALIC ACID, BLOOD GROUP ANTIGENS AND GLYCOPROTEIN EXPRESSION

(51) International :C12N15/00,C12P19/08,C12P19/28 classification

(31) Priority Document No :61/801948 (32) Priority Date :15/03/2013 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2014/029897

:15/03/2014 Filing Date

(87) International Publication :WO 2014/145180

(61) Patent of Addition to **Application Number** :NA

Filing Date (62) Divisional to Application :NA Number

Filing Date

:NA

(71)Name of Applicant:

1)GLYCOBIA INC.

Address of Applicant :410 Weill Hall Mcgovern Center Ithaca

NY 14853 U.S.A.

2) MERRITT, Judith, H. 3)FISHER, Adam, C. 4) HAMILTON, Brian, S. 5) DELISA, Matthew, P. (72)Name of Inventor:

1)MERRITT Judith H. 2)FISHER Adam C. 3) HAMILTON Brian S. 4) DELISA Matthew P.

(57) Abstract:

The invention described herein generally relates to glycoengineering host cells for the production of glycoproteins for therapeutic use. Host cells are modified to express biosynthetic glycosylation pathways. Novel prokaryotic host cells are engineered to produce linked glycoproteins wherein the glycoproteins comprise polysialic acid or blood group antigens.

No. of Pages: 119 No. of Claims: 27

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : NONWOVEN FABRICS OF SHORT INDIVIDUALIZED BAST FIBERS AND PRODUCTS MADE 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:D04H1/425 :61/793448 :15/03/2013 :U.S.A. :PCT/US2014/021771 :07/03/2014 :WO 2014/149999 :NA :NA :NA	(71)Name of Applicant:  1)GEORGIA PACIFIC CONSUMER PRODUCTS LP Address of Applicant:133 Peachtree Street N.E. Atlanta Georgia 30303 U.S.A. (72)Name of Inventor:  1)MILLER Joseph H. 2)BAER Samuel Charles 3)WRIGHT Alan Edward 4)LERCH Micheal Shea
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#### (57) Abstract:

Nonwoven textile fabrics in accordance with the present invention are formed primarily of individualized bast fibers substantially free of pectin having a mean length less than 6 millimeters. The nonwoven fabric can include staple fibers and/or pulp fibers. Individualized bast fibers include fibers derived from the flax and hemp plants. The nonwoven textile fabric is formed into a web while in a dry state and subsequently bonded to produce a nonwoven fabric.

No. of Pages: 45 No. of Claims: 32

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: BAR TYPE LIGHTING 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> <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>	:F21V17/00,F21V21/34 :1020130023205 :05/03/2013 :Republic of Korea :PCT/KR2014/001777 :04/03/2014 :WO 2014/137142 :NA :NA	(71)Name of Applicant: 1)LINNO.LTD. Address of Applicant:96 22 Yangji ro 281beon gil Onam eup Namyangju si Gyeonggi do 472 881 Republic of Korea 2)KIM, Bong Sup 3)SUNG Byung Kwon (72)Name of Inventor: 1)PARK Hyun Yong
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A linear lighting device may include: an installation rail including a housing and a power supply terminal, the housing being fixed to an installation object surface and having an accommodating space formed therein, the accommodating space having an open side in one surface thereof, the power supply terminal being disposed in the accommodating space of the housing in a length direction thereof; at least one linear lighting module including a power connection terminal and a light emitting device, the power connection terminal being electrically connected to the power supply terminal, the light emitting device being electrically connected to the power connection terminal, the linear lighting module being detachably coupled to the accommodating space of the housing; and a light transmissive cover detachably coupled to the housing so as to close the open side of the accommodating space of the housing.

No. of Pages: 85 No. of Claims: 21

(22) Date of filing of Application: 12/11/2012 (43) Publication Date: 29/01/2016

# (54) Title of the invention : CUTTING ELEMENTS FOR EARTH-BORING TOOLS EARTH-BORING TOOLS INCLUDING SUCH CUTTING ELEMENTS AND RELATED 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> <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>	:B25G :61/327,484 :23/04/2010 :U.S.A. :PCT/US2011/033559 :22/04/2011 :WO/2011/133850 :NA :NA	(71)Name of Applicant:  1)BAKER HUGHES INCORPORATED  Address of Applicant: P.O. Box 4740 Houston Texas 77210- 4740 U.S.A.  2)ELEMENT SIX (PRODUCTION) (PTY) LTD  (72)Name of Inventor:  1)ANTHONY A DIGIOVANNI  2)NICHOLAS J LYONS  3)MATTHEW S HALE  4)JOHN H LIVERSAGE
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	4)JOHN H LIVERSAGE

#### (57) Abstract:

Cutting elements, earth-boring drill bits having such cutting elements and related methods are described herein. In some embodiments, a cutting element for an earth-boring tool may include a diamond table having an indentation in a cutting face thereof and a shaped feature in a substrate at the interface between the diamond table and the substrate, the shaped feature corresponding to the indentation in the cutting face of the diamond table. In further embodiments, a cutting element for an earth-boring tool may include a sacrificial structure positioned within an indentation in a diamond table. In additional embodiments, a method of forming a cutting element may include positioning a sacrificial structure in a mold, positioning a powdered precursor material over the sacrificial structure, and pressing and sintering the powdered precursor material to form a diamond table having an indentation in a cutting face formed by the sacrificial structure.

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

(21) Application No.8921/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/10/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: UNITISED BUILDING SYSTEM •

(51) International classification	:E06B	(71)Name of Applicant:
(31) Priority Document No	:2010901141	1)EKCO PATENT & IP HOLDINGS PTY LTD
(32) Priority Date	:18/03/2010	Address of Applicant :70 City Road Southbank Victoria 3006
(33) Name of priority country	:Australia	Australia Australia
(86) International Application No	:PCT/AU2011/000299	(72)Name of Inventor:
Filing Date	:17/03/2011	1)KATSALIDIS Epaminondas
(87) International Publication No	:WO 2011/113103	2)KING Wayne
(61) Patent of Addition to Application	:NA	3)HIPWORTH Gregory Kenneth
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A structural connection for connecting four building units (2). The building units include two building units in a lower layer and two building units in an upper layer. Each building unit includes self supporting structure defining an internal volume and has at least one mounting member (206–218). The connection includes the mounting members. Each mounting member of the lower building units includes at least one engagement point (223). The connection further includes interlocking structure (305) by which the mounting members of the lower building units are relatively locatable to relatively locate the engagement ...

No. of Pages: 74 No. of Claims: 29

(21) Application No.7769/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :31/08/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: NEW POLYPEPTIDES

(51) International classification	:C07K14/435	(71)Name of Applicant:
(31) Priority Document No	:13159500.1	1)AFFIBODY AB
(32) Priority Date	:15/03/2013	Address of Applicant :Gunnar Asplunds All 24 SE 171 63
(33) Name of priority country	:EPO	Solna Sweden
(86) International Application No	:PCT/EP2014/055299	(72)Name of Inventor:
Filing Date	:17/03/2014	1)EKBLAD Caroline
(87) International Publication No	:WO 2014/140366	2)GUNNERIUSSON Elin
(61) Patent of Addition to Application	:NA	3)LINDBORG Malin
Number	:NA	4)ABRAHMS‰N Lars
Filing Date	.1171	5)L-FBLOM John
(62) Divisional to Application Number	:NA	6)GR,,SLUND Torbjrn
Filing Date	:NA	7)SEIJSING Johan

## (57) Abstract:

The present disclosure relates to a class of engineered polypeptides having a binding affinity for the neonatal Fc receptor (in the following referred to as FcRn) and provides an FcRn binding polypeptide comprising the sequence EX X XAX X EIRWLPNL XX X QRX AFIX XLX X. The present disclosure also relates to the use of such an FcRn binding polypeptide as an agent for modifying pharmacokinetic and pharmacodynamic properties and as a therapeutic agent.

No. of Pages: 628 No. of Claims: 22

(21) Application No.8722/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/10/2012 (43) Publication Date : 29/01/2016

## (54) Title of the invention: NEW DIAGNOSTIC AND THERAPEUTIC TARGET

(51) International :G01N33/68,A61K39/395,A61P35/00

classification .GUIN33/08,AUIK39/393,AUIF33

(31) Priority Document No :61/407556 (32) Priority Date :28/10/2010 (33) Name of priority

country :U.S.A.

(86) International :PCT/SE2011/051289

Application No
Filing Date

1. C1/3E2011/0
:28/10/2011

(87) International

Publication No :WO 2012/057697

(61) Patent of Addition to Application Number :NA Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)MODMAB LIMITED UK FILIAL

Address of Applicant : Byalvsvagen 203, S-12847

Bagarmossen Iran
(72)Name of Inventor:
1)RABBANI Hodjattallah

## (57) Abstract:

The present invention relates to an in vitro method for assessing the risk that a subject suffers from a cancer, comprising measuring the expression level of Proline/arginine-rich end leucine repeat protein (PRELP) in cells from said subject, wherein an increased expression level of PRELP, as compared to healthy donors, indicates an increased probability of said subject suffering from cancer. It further relates to antibodies specific for PRELP and their use in diagnosis and therapy as well as a method for indicating a cell as a cancer cell.

No. of Pages: 48 No. of Claims: 26

(21) Application No.8924/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/10/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention : COMPOSITIONS COMPRISING ENZYME-CLEAVABLE OPIOID PRODRUGS AND INHIBITORS THEREOF $\bullet$

<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>	:21/04/2010 :WO 2011/133149 :NA :NA	(71)Name of Applicant:  1)SIGNATURE THERAPEUTICS INC.  Address of Applicant: 75 Shoreway Road Suite D. San Carlos California 94070 United States of America U.S.A. (72)Name of Inventor:  1)JENKINS Thomas E.  2)HUSFELD Craig O.  3)SEROOGY Julie D.  4)WRAY Jonathan W.
Filing Date	:NA	

#### (57) Abstract:

The present disclosure provides pharmaceutical compositions and their methods of use where the pharmaceutical compositions comprise a prodrug that provides enzymatically-controlled release of a drug and an enzyme inhibitor that interacts with the enzyme(s) that mediates the enzymatically-controlled release of the drug from the prodrug so as to attenuate enzymatic cleavage of the prodrug. The disclosure provides pharmaceutical compositions which comprise an enzyme inhibitor and a prodrug that contains an enzyme-cleavable moiety that when cleaved facilitates release of the drug.

No. of Pages: 424 No. of Claims: 60

(21) Application No.9800/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 12/11/2012 (43) Publication Date: 29/01/2016

# (54) Title of the invention: VALVE LIFT DEVICE FOR A COMBUSTION ENGINE •

(51) International classification	:B23B	(71)Name of Applicant:
(31) Priority Document No	:1050381-1	1)SCANIA CV AB
(32) Priority Date	:19/04/2010	Address of Applicant :S-151 87 Sodertalje Sweden
(33) Name of priority country	:Sweden	(72)Name of Inventor:
(86) International Application No	:PCT/SE2011/050442	1)NICLAS GUNNARSSON
Filing Date	:12/04/2011	
(87) International Publication No	:WO/2011/133088	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to a valve lift device for a combustion engine. The valve lift device comprises a camshaft (5), a first unit (16) with a first contact means (9) adapted to being in contact with a guide surface on the camshaft (5), and a motion-transmitting mechanism adapted to converting the lifting movement of the unit (16) to a lift of at least one valve (3) of the combustion engine. The valve lift device comprises an adjusting device (20-22) adapted to allowing linear movements of the first unit (16) and hence of the first contact means (9) in a plane which is perpendicular to the camshafts rotational axis (5a) between at least a first position of contact (9a1) with the guide surface (6) and a second position of contact (9a2) with the guide surface (6).

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

(21) Application No.9802/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/11/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: METHOD OF SYNTHESIS

<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</li> </ul>	:13/05/2011 :WO/2011/141568 :NA	(71)Name of Applicant:  1)GE HEALTHCARE LIMITED  Address of Applicant: Amersham Place Little Chalfont Buckinghamshire HP7 9NA United Kingdom U.K. (72)Name of Inventor:  1)ANDERS BRATHE  2)ANDREAS OLSSON  3)Mikkel THANING  4)Steffen BUGGE
(61) Patent of Addition to Application	:NA :NA	3)Mikkel THANING
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention provides a method for the preparation of a radiolabelied guanidine derivative, in particular wherein the radiolabelied guanidine derivative is a positron emission tomography (PET) tracer. Certain intermediates useful in said method are also provided, as well as means for carrying out said method in an automated fashion. The method of the invention provides advantages over known methods for the preparation of radiolabelied guanidine derivatives.

No. of Pages: 27 No. of Claims: 14

(21) Application No.9074/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/10/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: GLASS PANEL FOR A SPACE AIRCRAFT

<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> </ul>	:1353031 :04/04/2013 :France	(71)Name of Applicant:  1)AIRBUS DEFENCE AND SPACE SAS Address of Applicant:51 61 Route de Verneuil F 78130 Les Mureaux France (72)Name of Inventor: 1)CORABOEUF Yohann
Number Filing Date		
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The invention relates to a glass panel for an aircraft suitable for a suborbital flight and an aeronautical flight, comprising an outer panel (1) made of polycarbonate or aluminosilicate for temprature rsistance, a main panel (2) for pressure rsistance, sized according to standard aroplane safety factors, and an inner panel (3), providing redundancy for the main panel, sized with a minimum pressure margin, the outer, main and internai redundancy panels being separated from one another by spaces (5, 6). The invention also relates to an aircraft comprising windscreen lments and portholes made using the glass panel.

No. of Pages: 17 No. of Claims: 18

(21) Application No.9806/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 12/11/2012 (43) Publication Date: 29/01/2016

# (54) Title of the invention: EMERGENCY LIGHTING SYSTEM WITH PROJECTED DIRECTIONAL INDICATION

<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</li> </ul>	:61/324745 :15/04/2010 :U.S.A. :PCT/US2011/032800 :15/04/2011 :WO 2011/130723 :NA	(71)Name of Applicant: 1)EGRESSLITE LLC Address of Applicant:1848 Choptank Road Middletown DE 19709 U.S.A. (72)Name of Inventor: 1)CORBETT Brian A. 2)LILIEN Adam
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

An emergency lighting device (10) for providing a directional indication (102) on a recipient surface with first and second guidance indication light sources (35) retained relative to a housing (12) to emit beams of light (100) each with a directional indication (102) onto a recipient surface. The light sources (35) can be individually operable and can have directional indications (102) such as arrows pointing in first and second different directions. An illumination light source (35) without a guidance indication can illuminate an adjacent area. Guidance indication light sources (35) which can be lasers can emit beams in different colors to provide threat level indications. Plural emergency lighting devices (10) can cooperate to guide a building occupant by providing directional indications (102) on recipient surfaces.

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

(21) Application No.9823/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/11/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention : NECK SEAL FOR A ROLLING MILL OIL FILM BEARING WITH SPACED IMPELLERS FOR PROPELLING OIL COMING OUT FROM THE BEARING SLEEVE AND BUSHING $\bullet$

<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</li> </ul>	:27/04/2011 :WO/2011/142968 :NA	(71)Name of Applicant:  1)SIEMENS INDUSTRY INC.  Address of Applicant: 3333 Old Milton Parkway Alpharetta Georgia 30005-4437 U.S.A. (72)Name of Inventor:  1)THOMAS C. WOJTKOWSKI JR 2)PETER N. OSGOOD
(61) Patent of Addition to Application	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A seal is disclosed for use in a rolling mill oil film bearing in which a sleeve (12) is mounted on a roll neck (14) for rotation there with, the sleeve (12) is journalled for rotation in a fixed bushing (1a), and a flow of oil exits fkom between the sleeve (12) and the bushing (18). The seal comprises a flexible circular seal body (25) adapted to be mounted on and to rotate with the roll neck (14). Circumferentially spaced impellers (42) project from the seal body (25). The impellers (42) are rotatable with the seal body (25) and serve to rotatively propel oil exiting fkom between the sleeve (12) and bushing (18).

No. of Pages: 13 No. of Claims: 6

(21) Application No.9775/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 12/11/2012 (43) Publication Date: 29/01/2016

## (54) Title of the invention: DISPLAY MEMBER AND DISPLAY DEVICE •

(33) Name of priority country (86) International Application No Filing Date  Shi Nii (72)Nan (72)Nan (15/04/2011)	ddress of Applicant :2-34 Higashi-zaoh 2-chome Nagaoka- Niigata 940-8580 Japan Name of Inventor : KAZUNARI HAMADA ADAO YABE
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### (57) Abstract:

Provided are a display member and a display device capable of outputting bright and highly uniform light. Provided is a display member (10) comprising a light 5 guiding member (11) which guides light outputted from a first light source (20); a light spreading part (13) which is provided on at least one side surface of the light guiding member (11) and spreads the light guided by the light guiding member (11); a design display part (12) which is provided on at least one surface side of the light guiding member (11) and displays a design; wherein the 10 design display part (12) is provided with a first light transmissive outputting part (122) which transmits and outputs light that was spread by the light spreading part (13) and the light spreading part (13) is provided so as to correspond with the first light transmissive outputting part (122).

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

(22) Date of filing of Application :12/11/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention: CONTROLLED RELEASE OF WATER TO AN OXYGEN SCAVENGER

<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>	:24/03/2011 :WO/2011/142890 :NA :NA :NA	(71)Name of Applicant:  1)MULTISORB TECHNOLOGIES INC. Address of Applicant: 325 Harlem Road Buffalo New York 14224-1893 U.S.A. (72)Name of Inventor: 1)GEORGE E MCKEDY 2)CHIEH-CHUN CHAU 3)STANISLAV E SOLOVYOV
Filing Date	:NA	

## (57) Abstract:

The invention provides an article for oxygen absorption comprising a container containing a water-soluble ion source, an water activated oxygen scavenger, and a rupturable canister of hydrated polymer. The invention provides in another embodiment a method for providing timed or controlled oxygen absorption comprising providing an article for oxygen absorption comprising a container containing a water-soluble ion source, an water activated oxygen scavenger, and a rupturable canister of hydrated polymer, rupturing the canister, whereby the hydrated polymer and water-soluble ion source come in contact and release water, and the water as it is released activates the oxygen scavenger.

No. of Pages: 28 No. of Claims: 14

(21) Application No.9778/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/11/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention : USE OF BROWN MIDRIB-3 GENE SPECIFIC MARKERS IN MAIZE FOR TRAIT INTROGRESSION

<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>	:C12P :61/334,073 :12/05/2010 :U.S.A. :PCT/US2011/036118 :11/05/2011 :WO/2011/143344 :NA :NA	(71)Name of Applicant:  1)AGRIGENETICS INC.  Address of Applicant: 9330 Zionsville Road Indianapolis Indiana 46268 U.S.A. (72)Name of Inventor:  1)CHEN WEI  2)NATHAN VAN OPDORP  3)CHANDRA-SHEKARA CHANNABASAVARADHYA 4)SIVA P KUMPATLA
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

This disclosure concerns compositions and methods for determining the zygosity of corn plants containing one or more brown midrib (BMR) mutations. The disclosure also concerns methods that are useful for enhancing the breeding process for BMR corn. In certain embodiments, compositions and methods for determining the zygosity of corn plants with respect to the bm3 allele.

No. of Pages: 41 No. of Claims: 19

(22) Date of filing of Application :22/07/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: COMMERCIAL SCALE STEP WISE EXPANDING PITCH FRUIT GRADER

(51) International classification	: B05B11/00, B29C70/50	(71)Name of Applicant: 1)INDIAN COUNCIL OF AGRICULTURAL RESEARCH-CENTRAL INSTITUTE OF AGRICULTURAL
(31) Priority Document No	:NA	ENGINEERING
(32) Priority Date	:NA	Address of Applicant :NABIBAGH, BERASIA ROAD,
(33) Name of priority country	:NA	BHOPAL-462038 Madhya Pradesh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SHUKADEV MANGARAJ
(87) International Publication No	: NA	2)RAMESH KUMAR PAJNOO
(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 with the development of a machine called COMMERCIAL SCALE STEP WISE EXPANDING PITCH FRUIT GRADER that can be is used for grading of different spherical fruits having equivalent diameter of 30 mm to 145 mm. The principle involved is sizing through one-dimensional separation of fruits by carrying the fruits on an expanding pitch flap conveyor. The main components of the fruit grader are grading unit, horizontal belt conveyor and elevator feeding unit. The grading unit consists of 19 mm pitch hollow pin chain and matching sprockets, steel flaps and rollers, wheel track, collection tray, power source, reduction gear unit, power transmission system and fruit collection tray etc, fruit-loading/feeding unit is ergonomically designed. The horizontal moving belt is provided to eliminate impact damage during feeding of constant and uniform quantity of fruits to the grading system. The grader has the provision to separate fruits into five grades by adjusting flap spacing between 30 to 145 mm. Testing of the fruit grader showed overall grading efficiency of 97 % for citrus fruits. The capacity of the grader was 5 t/h at grading conveyor speed of 7 m/minute and there was no damage to the fruits while grading. The cost of the grader is Rs. 70,000 and only 1 hp motor has been used to operate the grader. The advantages of this fruit grader are high level of versatility, high capacity, low energy consumption, low cost, minimal handling and tumbling of the fruit and there is no damage to the fruit while grading. The cost of operation of grader was found to be Rs. 1000 per tonne. The fruit grader reduces the energy and cost by 45-50% and 60-70%, respectively with grading efficiency of 97% in comparable to other available grader having grading capacity of 5t/h. This development is highly beneficial for industrial applications.

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

(22) Date of filing of Application :22/07/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: MULTI MILLET THRESHER-CUM-DEHULLER

(51) International classification  (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (10) Patent of Addition to Application Number Filing Date (11) Patent of Addition to Application Number Filing Date (12) Patent of Addition to Application Number Filing Date (13) Priority Date (14) Patent of Addition to Application Number Filing Date (15) Priority Date (16) Priority Document No (17) Patent of Addition to Application Number Filing Date (17) Patent of Addition to Application Number Filing Date (18) Patent of Addition to Application Number Filing Date (18) Patent of Addition to Application Number Filing Date (18) Patent of Addition to Application Number Filing Date (18) Patent of Addition to Application Number Filing Date (18) Patent of Addition to Application Number Filing Date (18) Patent of Addition to Application Number Filing Date (18) Patent of Addition to Application Number Filing Date (18) Patent of Addition to Application Number Filing Date (18) Patent of Addition to Application Number Filing Date	(71)Name of Applicant:  1)INDIAN COUNCIL OF AGRICULTURAL RESEARCH (ICAR)-CENTRAL INSTITUTE OF AGRICULTURAL ENGINEERING  Address of Applicant: NABI BAGH, BERASIA ROAD BHOPAL - 462038, MADHYA PRADESH, INDIA Madhya Pradesh India (72)Name of Inventor:  1)DR. K. P. SINGH 2)ER. R. R. POTDAR
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### (57) Abstract:

This invention relates with the development of a multi multi millet thresher-cum-dehuller for the purpose of threshing and dehulling of Barnyard, proso, foxtail, kodo, finger and little millets by scientists of Central Institute of Agricultural Engineering (CIAE), Bhopal. Millets are important food crops for a large section of people in rural, tribal and hilly areas. These crops are mainly grown in harsh environments (rainfed and temperature more than 20 oc) where other crop yields are very poor; are less prone to disease and pests. The epidemiological evidences indicate that person on millet based diets have good resistance for degenerative diseases such as heart disease, diabetes, hypertension etc. Apart from health benefits, millets are also good sources of energy, protein, vitamins and minerals. The utilization of millet for food is mostly confined to the traditional consumers and population of lower socio economic strata. The major reason of these is probably lack of appropriate technologies such as threshing, dehulling etc. therefore, development of thresher and dehuller suited for the all millets is essential to promote utilization of these millets in India. The traditional threshing of millets is done either by sticks or treading out the crop panicle under the feet of oxen. These two operations are most time consuming, laborious and uneconomical for hill farmers. Mostly women farmers are involved in these operations. The traditional methods of threshing often results in low output and poor quality products. The mechanized threshing of millets can reduce the drudgery of farmers particularly of women farmers. In order to reduce drudgery, increase production and improve quality of the produce, the farmers required a low cost, light weight machine, which can be able to perform both operations i.e. threshing and dehulling of almost ail millet crops. Keeping these points in view, scientists of CIAE has developed a multi millet thresher-cum-dehuller which is suited for threshing and dehulling all millet crops.

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

(21) Application No.2360/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :22/07/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: A MIRAGE EFFECT JEWELLERY

<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>	:B44F7/00, B44F1/06 :NA :NA :NA :PCT// :01/01/1900 : NA :NA :NA :NA	(71)Name of Applicant:  1)M/s Sunjewels Pvt. Ltd. Address of Applicant:116 SDF-IV, SEEPZ, SEZ, Andheri East, Mumbai Maharashtra India (72)Name of Inventor:  1)Mr. Shishir B. Nevatia
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## (57) Abstract:

The present invention relates to mirage effect jewellery having a rest frame (10) and a plurality of stones (20). The stones (20) are mounted independent of one another such that dimensional variation is absorbable without impairing robustness and appearance of jewellery. At least the upper portion (39U) of the projections (50) gripping the stones (20) is nearly of the same color as the colour tinge of the cardinal stone (21) and peripheral stones (22). The refraction and total internal reflection of light beam (60) falling on the mirage effect jewellery (100) is nearly the same as on a one piece diamond.

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

(22) Date of filing of Application :22/07/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: TEXTILE BASED MULTILAYERED BIO-MAT FOR COMBATING OIL SPILL POLLUTION

#### (57) Abstract:

This invention relates to design of a textile based mat which also incorporates a consortium of oil degrading bacterium. The approach is to adsorb the oil using the textile based mat which has been lined with lignite powder for quicker adsorption of oil. The inner layer of the textile substrate is sprayed with an appropriate concentration of consortium of bacterium. The bacterium is saturated with the nutrient for accelerating the oil degradation. Once the oil is adsorbed by the textile substrate, it will be degraded with the help of the bacterium in due course of time. Once the oil has been degraded to its elemental components, the mat is ready for reuse and the same mat can be used for five reuses. To summarise, the important features of the developed bio mat include Textile non-woven substrate as inner and outer layers Lignite powder Consortium of bacterium and Nutrients

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

(22) Date of filing of Application :23/06/2014

(43) Publication Date: 29/01/2016

(54) Title of the invention : MULTIPLEX PCR BASED SINGLE TUBE ASSAY FOR UNEQUIVOCAL IDENTIFICATION AND DETECTION OF CONVOLVULUS MICROPHYLLUS AND ITS ADULTERANT/ALLIED SPECIES EVOLVULUS ALSINOIDES.

<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>	:C12Q1/68, C12M1/34 :NA :NA :NA	(71)Name of Applicant:  1)B.V. PATEL PHARMACEUTICAL EDUCATION AND RESEARCH DEVELOPMENT (PERD) CENTRE  Address of Applicant: B.V. PATEL PERD CENTRE,  SARKHEJ GANDHINAGAR HIGHWAY, AHMEDABAD, GUJARAT-380054 Gujarat India
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	(72)Name of Inventor: 1)NEETA SHRIVASTAVA 2)SONAL SHARMA

## (57) Abstract:

Convolvulus microphyllus Sieb. ex Spreng and Evolvulus alsinoides Linn, are two important medicinal plants species of Indian system of medicine. These two plants are considered as controversial drugs due to ambiguous vernacular name. Both the plants are traded as Shankpushpi. The drug shankhpushpi is known as medhya rasanaya and very well establish drug of Ayurveda known to treat mental illness, to boost memory and improve cognitive functions. However, identical vernacular names create confusion which leads to wrong interpretations during the scientific researches. Likewise, use of wrong species to prepare herbal medicines can also give improper results in treatment and hence, reduce the consumer's belief which ultimately hampers the growth of medicinal plant sector. The present invented multiplex PCR process utilizes the benefits of genome based identification methods to authenticate and discriminate these two Shankpushpi plants C. microphyllus and E. alsinoides. Two plant species specific primers were developed for each plant from the internal transcribed spacer region in order to developed diagnostic PCR assay.

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

(22) Date of filing of Application :26/06/2014

(43) Publication Date: 29/01/2016

# (54) Title of the invention : SUPERCRITICAL PROCESSED STARCH NANOSPONGE FOR DISSOLUTION ENHANCEMENT AND FLOW PROPERTIES IMPROVEMENT OF POORLY WATER SOLUBLE AND FLOWABLE DRUGS

	:A61K	(71)Name of Applicant:
(51) Intermedianal alessification	9/00,	1)VAVIA PRADEEP RATILAL
(51) International classification	A61K	Address of Applicant :DEPARTMENT OF
	31/00	PHARMACEUTICAL SCIENCES AND TECHNOLOGY,
(31) Priority Document No	:NA	INSTITUTE OF CHEMICAL TECHNOLOGY (DEEMED
(32) Priority Date	:NA	UNIVERSITY), NATHALAL PARIKH MARG, MATUNGA
(33) Name of priority country	:NA	(EAST), MUMBAI 400 019, INDIA Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)VAVIA PRADEEP RATILAL
(87) International Publication No	: NA	2)JADHAV NITIN VITTHALRAO
(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 includes preparation of high surface area starch nanosponges material as a carrier for dissolution enhancement and improve flow properties of model drugs. The starch nanosponge is prepared by sol-gel method (Aquagel - Alcogel - Supercritical Drying). Drug loading is achieved by solvent immersion technique. The prepared starch nanosponge material may have high surface area (upto 200 m/gm), nanopores with non-cohesive nature and particle with uniform shape. So these characteristics will be helpful to enhance the dissolution and flow properties. The present starch nanosponge carrier based system can be efficient, economical and non toxic for safe usage.

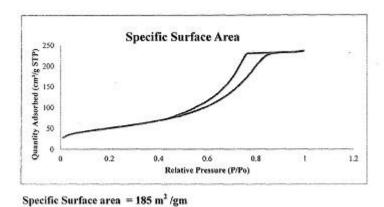


FIG. 1

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

(22) Date of filing of Application :24/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: NOVEL REACTIVE DYE SYSTEM BASED ON DIAZONIUM SALT.

<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 Filing Date</li> </ul>	:NA :NA :NA :NA	(71)Name of Applicant:  1)BHATE; PRAKASH MANOHAR  Address of Applicant: DEPARTMENT OF DYESTUFF TECHNOLOGY, INSTITUTE OF CHEMICAL TECHNOLOGY (DEEMED UNIVERSITY), NATHALAL PAREKH MARG, MATUNGA (EAST) MUMBAI 400 019, INDIA Maharashtra India (72)Name of Inventor:  1)BHATE; PRAKASH MANOHAR 2)VIJILATA DEVI; RAJKUMARI 3)MASAND, SHRUTI AJAY 4)FAROOQUE SHAIKH; LISAN MOHAMMED 5)VAIDYA SAMIKSHA VISHWAS
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## (57) Abstract:

The present invention relates to a new dyeing system for dyeing cellulose or cellulose-containing fibers. More preferably, the present invention relates to a new dyeing system using dyes having at least one primary aromatic amine and without presence of any reactive group in their structure and based on diazonium salts as the reactive system. This new reactive system provides excellent wash fastness to cellulose or cellulose-containing fibers with reduced dye manufacturing costs. 2.4DECZM3

No. of Pages: 29 No. of Claims: 16

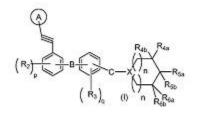
(22) Date of filing of Application :22/05/2013 (43) Publication Date : 29/01/2016

# (54) Title of the invention: HETEROCYCLIC 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> </ul>	A61P 35/02 :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)CADILA HEALTHCARE LIMITED  Address of Applicant: ZYDUS TOWER, SATELLITE  CROSS ROAD, AHMEDABAD -380 015, GUJARAT, INDIA.  Gujarat India (72)Name of Inventor:  1)DESAI, RANJIT C.
<u>e</u>		I)DESAI, RANJII C.
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention provides novel heterocyclic compounds of general formula (I) that are useful for the treatment of proliferative disorders such as Chronic Myeloid Leukemia (CML), Philadelphia chromosome positive Acute Lymphoblastic Leukemia (Ph+ALL) and other cancer diseases, especially when these diseases are mediated by one or more kinases such as, Akt, EGFR, RAF, MEK, BCR-ABL, SRC including any mutations of these kinases. Further, the present invention relates to processes of preparing such compounds, their tautomeric forms, their stereoisomers, their pharmaceutically acceptable salts, novel intermediates involved in their synthesis, , methods for using such compounds and pharmaceutical compositions containing them.



Formula (I)

No. of Pages: 69 No. of Claims: 11

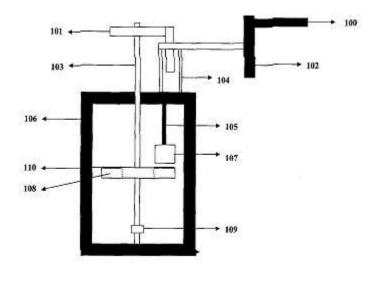
(22) Date of filing of Application :21/07/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention : BAMBOO STRIPPER CUM SPLINTER MACHINE, WHICH CAN MAKE BAMBOO INCENSE STICKS FROM BAMBOO STRIPS

<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>	:B28B, C04B :NA :NA :NA	(71)Name of Applicant:  1)SIDDHARTH PARIKH  Address of Applicant:1006, ARIHANT PARK, OPP.  GATEWAY HOTEL, PARLE POINT, SURAT-395007 Gujarat India
(86) International Application No	:NA	2)PALASH KACHOLIA
Filing Date	:NA	3)APURV VAJA
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)SIDDHARTH PARIKH
Filing Date	:NA	2)PALASH KACHOLIA
(62) Divisional to Application Number	:NA	3)APURV VAJA
Filing Date	:NA	

#### (57) Abstract:

1. A bamboo stripper cum splinter machine, to produce bamboo incense sticks from bamboo strips comprising of (a) the hand operated lever (b) a bevel gear (c) a disc (d) a hollow mild steel rod (e) a mild steel support (f) a spring (g) a frame (h) a box that contains bamboo (i) the mild steel disc (j) a bearing (k) and blades. 2. A bamboo stripper cum splinter machine as in 1 consisting of a hand operated lever 100 is connected to one set of bevel gear 101 through an axel, wherein the bevel gear 101 assemblies to transform horizontal rotation into vertical rotation, further comprising a disc 102 that is attached to the hand operated lever 100 in order to rotate it. 3. A bamboo stripper cum splinter machine as in 1 consisting of mild steel hollow rod 103 through which the other gear is connected to the cylindrical steel disc 108. 4. A bamboo stripper cum splinter machine as in 1 consisting of four linear mild steel supports 104 that support the mild steel hollow rod 103. 5. A bamboo stripper cum splinter machine as in 1 consisting of a spring 105 that facilitates easy cutting of the sheets by constantly forcing them down onto the surface of the cylindrical steel disc 108. 6. A bamboo stripper cum splinter machine as in 1 consisting of a frame 106 that is perpendicular to the cylindrical steel disc 108 and supports the entire assembly. 7. A bamboo stripper cum splinter machine as in 1 consisting of a box 107 for stacking bamboo strips. 8. A bamboo stripper cum splinter machine as in 1 consisting of a box 107 for stacking bamboo strips. 8. A bamboo stripper cum splinter machine as in 1 consisting of a bearing 109 that supports the cylindrical steel disc 108. 10. A bamboo stripper cum splinter machine as in 1 consisting of blades 110 that are used for cutting. DATED THIS 27th DAY OF APRIL 2015. (MS. ANURADHA VAIDYANATHAN) AGENT FOR THE APPLICANT



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

Figure 1

(22) Date of filing of Application :21/07/2014

(43) Publication Date: 29/01/2016

# (54) Title of the invention : DIRECT NANO-POWDERED RICE HUSK NANO-GASIFIER AND REACTIVE-CHROMATOGRAPHIC REFORMER AS A SOLID OXIDE FUEL CELL SOURCE

	:	(71)Name of Applicant:
(51) International classification	C08J3/28,	1)INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY
	D21B1/02	Address of Applicant :INDIAN INSTITUTE OF
(31) Priority Document No	:NA	TECHNOLOGY BOMBAY, POWAI MUMBAI - 400076,
(32) Priority Date	:NA	MAHARASHTRA, INDIA Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)PATIL TARKESHWAR CHANDRAKANT
Filing Date	:NA	2)SIDDHARTHA P DUTTAGUPTA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The present invention discloses an organic nano-gasifier cum reactive-chromatographic reformer which comprises a nano-gasifier, the nano-gasifier further comprises a cartridge for containing organic material, a nano-sieve and a nano heater. The device also comprises a gas bubble arranged to receive the gaseous component from the nano-gasifier and a chromatic reformer.

No. of Pages: 17 No. of Claims: 12

(22) Date of filing of Application :21/07/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: ELECTRONIC STANDING WHEELCHAIR

(51) International classification	:A61G5/14,	(71)Name of Applicant:
(31) International classification	A61G5/00	1)MR. PATIL ABHIJIT AJITKUMAR
(31) Priority Document No	:NA	Address of Applicant :2, SHANTA ASHISH C, IRLA LANE,
(32) Priority Date	:NA	VILE PARLE (WEST), MUMBAI - 400 056 Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)MR. PATIL ABHIJIT AJITKUMAR
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	
(55) A1		-

#### (57) Abstract:

Loco-motor disabled and wheelchair confined or bed ridden patients need standing exercise and training, which is very important component of rehabilitation and daily activities A mechanism for standing facility in electronic wheelchair has been designed. An innovative concept of two in one facility that is electronic controlled mobility and standing has been conceived and implemented. The standing mechanism consists of rectangular structure with one fixed and three movable supports that form mechanism for standing and sitting. The mechanism has electrical linear actuator attached to it which moves the structure up and down as per action imitated. At rest i.e. sitting position, angle between all these sides is 90 degrees each and seat rests on fixed supports at front and at the back.. When an actuator is initiated to stand it pushes the seat upward. As front side is fixed to vertical fixed support, other three sides move. This moves the patient from sitting to standing position; and when the actuator is activated to sit down, the structure moves to its original sitting position. This moves subject from standing to sitting position. In this device the position of the footrest can be adjusted using sliding mechanism for stability. Four levels of belt strapping have been provided for firm support to patient's body and to maintain proper posture.

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

(22) Date of filing of Application :21/07/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention : COBALT BORIDE CATALYSTS IMPREGNATED ON ALUMINIUM PHOSPHATE FOR HYDROLYSIS OF METAL BOROHYDRIDES

(51) International classification		(71)Name of Applicant:
(31) Priority Document No (32) Priority Date	:NA :NA	1)Indian Institute of Technology, Bombay Address of Applicant :Powai, Mumbai 400076, Maharashtra,
(33) Name of priority country	:NA	India; Indian Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Prof. Pratibha Sharma
(87) International Publication No	: NA	2)Joydev Manna
(61) Patent of Addition to Application Number	:NA	3)Binayak Roy
Filing Date  (62) Divisional to Application Number	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention relates to cobalt boride catalysts impregnated on aluminium phosphate support, and a process for their preparation. In particular, the present invention relates to cobalt boride catalysts impregnated on aluminium phosphate support for hydrolysis of metal borohydrides.

No. of Pages: 26 No. of Claims: 13

(22) Date of filing of Application :22/07/2014 (43) Publication Date : 29/01/2016

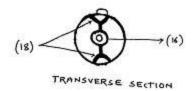
# (54) Title of the invention: PHACOEMULSIFICATION PROBE

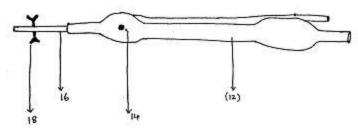
	:	(71)Name of Applicant:
(51) International classification	A61F9/007,	
	A61B17/00	
(31) Priority Document No	:NA	1097, B-SHANTA APARTMENT, MIRAJKAR TIKTI,
(32) Priority Date	:NA	MALGALWARPETH, KOLHAPUR - 416012
(33) Name of priority country	:NA	MAHARASHTRA Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DR. DINDORE PRADEEP RAMCHANDRA
(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 the field of phacoemulsification, and more particularly to a device for phacoemulsification probes for breaking out or dividing the cataract in symmetrical manner and without zonular stress. An improved phacoemulsification probe device comprising ofbutton for nucleus cracker, Phaco-tip, pair of Nucleus cracker lateral pin for cracking or breaking the nucleus, wherein the nucleus is divided after pressing nucleus cracking button as said Phaco-tip is inserted into nucleus and said nucleus is cracked in to two equal halves using said nucleus cracker lateral pin. The nucleus is divided after pressing nucleus cracking button as said Phaco-tip is inserted into nucleus and said nucleus is cracked in to four equal halves using said nucleus cracker lateral pin resulting into four equal quadrant of nucleus.

#### FIGURE 1





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

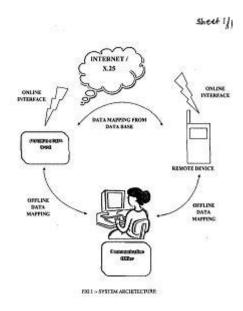
(22) Date of filing of Application :21/07/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: SMART TICKET CHECKER

<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>	:NA :NA	(71)Name of Applicant:  1)ABHISHEK M. PATWARDHAN  Address of Applicant: SHUBHANKAROTI, PLOT NO.21,  NILKANTH NAGAR, HARIPUR ROAD, HARIPUR, SANGLI  416 416 Maharashtra India
Filing Date	:NA :NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)ABHISHEK M. PATWARDHAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

As we know that the ticket checking while travelling with public service transport is necessary. To have faithful service to those who have reserved their sits well in advance. Such authentication is mandatory in those sectors. Considering the conventional methods of Ticket checking which provide some how the main purpose of ticket checking but not up to the mark or not at all accurate. To have a better accuracy by all means this system can be easily invoked in such areas. No doubt it's much reliable and accurate as well as provides some more facilities. To have a friendly as well as compact environment of the system we may install this system even on mobiles and tablets. In other Language This System Is Dedicated For Tablet And Mobile Itself. This will definitely provide a user friendly structure. Can Be Applicable at all public transport service which also serves an important aspect of security too.



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

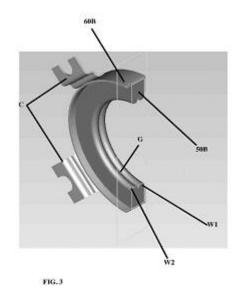
(22) Date of filing of Application :21/07/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: SEAL PROTECTION 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 Filing Date</li> </ul>	: A61M25/02 :NA	(71)Name of Applicant:  1)MAHINDRA & MAHINDRA LTD.  Address of Applicant: GATEWAY BUILDING, APOLLO BUNDER, MUMBAI - 400001. Maharashtra India (72)Name of Inventor:  1)MR. JOSHI SWANAND SHRIPAD  2)MR. WAGHODE RAMESH ARJUN  3)MR. GAJENDRAGADKAR PRASHANT ANANT
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## (57) Abstract:

The seal protection assembly 100 includes a seal 50 and a cover 60. The cover 60 of the seal protection assembly 100 is configured accommodate and secure the seal 50 therein. The seal 50 has a first end 55A and a second end 55B. The seal 50 further includes a body M. The body M of the seal 50 has a first wall W1 and a second wall W2. The first 5 and second walls W1 and W2 define a groove G there between. Cover 60 includes a first part 60A and a second part 60B. Each of the first and second parts 60A and 60B of the cover 60 are provided with a plurality of clamps C.



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

(21) Application No.972/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :24/03/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: A JEWELLERY WITH SAFELY REPLACEABLE DECORATIVE 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</li> <li>Filing Date</li> </ul>	:A44C9/00, A44C17/02 :NA :NA :NA :NA	(71)Name of Applicant:  1)M/s Sunjewels International Pvt. Ltd Address of Applicant:116 SDF-IV, SEEPZ, SEZ, Andheri East, Mumbai,Maharashtra, INDIA Maharashtra India (72)Name of Inventor: 1)Shishir B.Nevatia
(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 jewellery with at least one safely replaceable decorative element. The decorative element is engaged, trapped and locked and thereby securely fitted in the base ornament. The locking and unlocking operator is concealed and or inconveniently located so as to prevent undesired and unintended disconnection. Intended removal or replacement of the decorative element is easy. The jewellery is optionally provided with a middle element between the decorative element and the base ornament.

No. of Pages: 45 No. of Claims: 20

(22) Date of filing of Application :21/07/2014

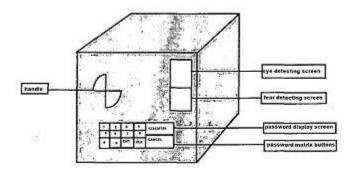
(43) Publication Date: 29/01/2016

# (54) Title of the invention: ATLAC = [ANTI THIEVES LOCKER AND CHAMBER].

(51) International classification	:E06B5/11	(71)Name of Applicant:
(31) Priority Document No	:NA	1)GAVSANE AKSHAY NITIN
(32) Priority Date	:NA	Address of Applicant :SANGRAMNAGAR, OPP. TO
(33) Name of priority country	:NA	SAIMANDIR, AKLUJ, TAL. MALSHIRAS, DIST-SOLAPUR-
(86) International Application No	:NA	413101, MAHARASHTRA, INDIA. Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)GAVSANE AKSHAY NITIN
(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 relates to the field of mechanical assemblies. Particularly this invention is relates to the electronic blocker and its security chamber. More particularly this invention related to the improved electronic locker and its chamber. Which is used to took the important things safely and secure with the help of eye detector , fear detector , blood pressure detector with the fingerprint detector sensor and matrix code assembled with the GPS tracker , messaging programs and spray system. Where is the GPS tracker and messaging programs is connected to the chamber by the help of satellite signal.



No. of Pages: 11 No. of Claims: 7

(21) Application No.2344/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :21/07/2014 (43) Publication Date : 29/01/2016

(54) Title of the invention: AQUA ATTAKK

<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>	: C01B21/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)ARIHANT INDUSTRIAL CORPORATION LIMITED Address of Applicant: ARIHANT COMPLEX, OPP. SAGAR PETROL PUMP, N.H. NO. 8, SATIVALI, VASAI (EAST)-401 208, MAHARASHTRA INDIA Maharashtra India (72)Name of Inventor:  1)RAJEN S. SHAH
<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	T)KAJEN G. GITATI

#### (57) Abstract:

Water gaming system Aqua Attakk consists of River running at low speed with various themes; said river has at least one boat with at least one seat; the boat is driven by water flow created by powered turbine /peddle/pump or any prime mover; the rider on each boat will be provided with water shooting guns to aim at various targets; each gun and targets will have transmitter and receivers for score measurement; said score measurement will be carried out by various sensors and the score will be displayed on gun using an interactive electronic display to verify their scores by respective riders; the river flows in a zig-zag fashions through open and under tunnel with various counters acting targets and there is provided sump, a loading area and unloading area with conveyor for boat transferring.

No. of Pages: 27 No. of Claims: 7

(21) Application No.2337/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :20/07/2014

(43) Publication Date: 29/01/2016

(54) Title of the invention: Method for Projective Technique-Based Assessment of psychiatric morbidity, behavioral problems, academic problems, intelligence and cognitive function, personality traits and psychosocial aspects of all human beings using interpretation of sequencing and arrangement of culture free Smileys or any similar stimulus resource Facial Emotion cards or similar cues/methods/ techniques thereof

(51) International classification	:A61B5/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)DR SHAILESH VASUDEO PANGAONKAR
(32) Priority Date	:NA	Address of Applicant :SRIVIDYA, 8 NAWAB LAYOUT,
(33) Name of priority country	:NA	TILAK NAGAR NAGPUR Maharashtra India
(86) International Application No	:PCT// /	(72)Name of Inventor:
Filing Date	:01/01/1900	1)DR SHAILESH VASUDEO PANGAONKAR
(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 and methods described herein relate to behavioral and psychological traits studied in the field of Psychometrics or Measurement of Mind for all domains of human behavior, and psychology to draw information and therapeutic interpretations for psychiatric morbidity, psychological traits, sports acumen, executive managerial skills, personality traits, delinquent and criminal temperament and deliberate self-harm and suicide. By using a projective tool and method of analyzing responses generated by the subject on smileys or other graphics based artifacts to express sub-conscious dimensions. These responses represented by numbers are analyzed and used for interpretations by studied norms

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

(21) Application No.2338/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :21/07/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: A NOVEL ORAL GASTRORETENTIVE PHARMACEUTICAL DOSAGE FORM

(51) International classification	:A61K9/24	(71)Name of Applicant:
(31) Priority Document No	:NA	1)JAYENDRAKUMAR DASHARATHLAL PATEL
(32) Priority Date	:NA	Address of Applicant :B-26, R V BUNGALOWS,
(33) Name of priority country	:NA	MANIPURA ROAD, NEAR T B HOSPITAL, CITY - VIJAPUR,
(86) International Application No	:PCT//	DIST - MEHSANA, STATE - GUJARAT, INDIA - 382870
Filing Date	:01/01/1900	Gujarat India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)JAYENDRAKUMAR DASHARATHLAL PATEL
Filing Date	:NA	2)SHWETABEN DASHARATHLAL PATEL
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A novel oral gastroretentive pharmaceutical dosage form and methods for preparing a novel oral gastroretentive pharmaceutical dosage form are described in present invention. A present inventions also provide a novel gastroretentive dosage form that deliver one or more active substances at same or different release rate by same or different release mechanism for same or different period of time in same or different region of gastrointestinal tract from single drug delivery system, i.e. a dosage form that is relatively flexible with respect to how to obtain a desired release pattern of the same or different active substances.

No. of Pages: 15 No. of Claims: 10

# **CONTINUED TO PART- 2**

# **CONTINUED FROM PART-1**

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2141/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :18/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: WORK MANAGEMENT TOOL

(51) International classification	:H04M	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Leena Job
(32) Priority Date	:NA	Address of Applicant :Kinnatukara House, Chenganda,
(33) Name of priority country	:NA	Varanad PO, Cherthala, Kerala- 688539, India. Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Leena Job
(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:

According to an aspect of present disclosure, a workflow management system is provided for deployment on a computer comprises a first set of functional modules, each independently encapsulating a function related to a first workflow, a second set of functional modules, each independently encapsulating a function comprising one of email function, messaging function, conference function, voice call function, in which the first set of modules and second set of modules are orthogonal to each other an association table describing dependency among the first set of functional modules and the second set of functional modules through one or more parameters defined in the first set and the second set of functional modules, a rule engine, sequencing the first set of functional modules and second the second set of functional modules for evaluation and execution according to the association table, and a display providing organised view of data centred to one of a functional module in first set or second set of functional modules, wherein the view comprises information derived by evaluation of first set of functional modules and the second set of functional modules.

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

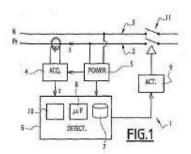
(22) Date of filing of Application :17/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: ELECTRIC ARC DETECTION METHOD AND 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>	:G01N :13 55914 :21/06/2013 :France :NA :NA : NA :NA	(71)Name of Applicant:  1)SCHNEIDER ELECTRIC INDUSTRIES SAS Address of Applicant : of 35, rue Joseph Monier, F-92500 Rueil Malmaison, France France (72)Name of Inventor: 1)BELHAJA, Zakaria 2)TIAN, Simon 3)ZELLER, Clment
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to an electric arc detection method and device in which: - samples of first, second and third filterings are determined, in parallel, for a signal for a current time window and for another time window, - a correlation is determined among: - a first correlation between said samples resulting from the first filtering and determined for the current window and samples resulting from the first filtering and determined for the other window; - a second correlation between said samples resulting from the second filtering and determined for the current window and samples resulting from the second filtering and determined for the other window; - a third correlation between said samples resulting from the third filtering and determined for the current window and samples resulting from the third filtering and determined for the other window; and - an electric arc is detected as a function of at least said determined correlation. Figure 1



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

(21) Application No.2941/CHE/2014 A

(19) INDIA

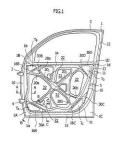
(22) Date of filing of Application :17/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: VEHICLE DOOR 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</li> </ul>	:E05B :2013- 138149 :01/07/2013 :Japan :NA :NA :NA	(71)Name of Applicant:  1)SUZUKI MOTOR CORPORATION  Address of Applicant: 300, Takatsuka-cho, Minami-ku,  Hamamatsu-shi, Shizuoka-Ken, Japan Japan  (72)Name of Inventor:  1)Kazuhide TSUCHIYA  2)Koji DOTA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

PLEASE SEE THE SPECIFICATION ATTACHED.



No. of Pages: 24 No. of Claims: 7

(21) Application No.2942/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :17/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: TOOLHOLDER WITH FLEXIBLE CONDUIT

(51) International classification	-B23B	(71)Name of Applicant:
(31) Priority Document No	:NA	1)KENNAMETAL INDIA LIMITED
` '		· /
(32) Priority Date	:NA	Address of Applicant :8/9th Mile, Tumkur Road, Bangalore-
(33) Name of priority country	:NA	560073, Karnataka, India. Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Vikram Munigala
(87) International Publication No	: NA	2)Santhoshkumar Kandasamy
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A toolholder (10) includes a head portion (16) at an axial forward end (12) and a shank portion (18) at an axial rearward end (14). The head portion (16) includes a first slot (20) separating the head portion (16) into an upper section (16a) and a lower section (16b). The upper section (16a) defines an upper seat (22) and the lower section (16b) defines a lower seat (24) adapted to retain a cutting insert (44) therebetween. The head portion (16) includes a top surface (28) having a second slot (30) formed therein. A main coolant passage (50) extends from the shank portion (18) to the head portion (16). A flexible conduit (60) is secured to the main coolant passage (50) and spans one of the first slot (20) and the second slot (30). A coolant delivery passage (54) is in fluid communication with the main coolant passage (50) and has an exit opening (56) for directing coolant to the cutting insert (44).

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

(22) Date of filing of Application :18/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: SOLAR POWERED PELTIER WATER GENERATOR FOR PLANTS

(51) International classification	:H01L	(71)Name of Applicant:
(31) Priority Document No	:NA	1)JAGADEESAN, SENGOLAN
(32) Priority Date	:NA	Address of Applicant :NO.52, THIMMARAYA STREET,
(33) Name of priority country	:NA	KRISHNAGIRI., PIN - 635 001 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)JAGADEESAN, SENGOLAN
(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:

Disclosed is atmospheric water generating system. Its a compact product using solar power. In a conventional Paltrier water-cooling system, waste heat from the pettier is transferred into the water by the water block and then into the air by the radiator. One or more fans are typically used to force air thru the radiator to increase heat transfer. A small pump circulates water thru the system to transport heat from the water block to the chiller module. Thus, the present invention further allows the collected moisture to be automatically regulated on a continuing basis by controlling the operation of the thermoelectric module with a microcontroller, thereby ensuring optimal plant growth with little or no maintenance. The apparatus of the present invention is simple, low-cost, and depends only on renewable resources to generate water.

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

(22) Date of filing of Application: 18/06/2014 (43) Publication Date: 29/01/2016

# (54) Title of the invention : LEAD NANOPARTICLES MEDIATED PHOTO CATALYTIC DEGRADATION OF MALACHITE GREEN

(51) International classification		(71)Name of Applicant:
	36/00	1)GANESH ELANGO
(31) Priority Document No	:NA	Address of Applicant :7,9TH STREET, BHAVANI NAGAR,
(32) Priority Date	:NA	DHARAPADAVEDU, KATPADI - 632 007 Tamil Nadu India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)SELVARAJ MOHANA ROOPAN
Filing Date	:NA	2)BASKAR KEERTHIKA
(87) International Publication No	: NA	3)KOTHANDAN DIVYA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Lead nanoparticles mediated photo catalytic degradation of malachite green Most of researcher focused applied chemical method for the production of nanoparticles. We have focused cheapest and simplest method for the synthesizing of lead nanoparticles (PbNps) using cocos nucifera L extract. The methanolic extract efficiently used as a reducing agent to synthesize PbNps. On treatment of lead acetate with cocos nucifera coir extracts, stable PbNps were formed. The synthesized PbNps were further confirmed by UV-visible spectroscopy, X-Ray diffraction (XRD), Transmission electron microscope (TEM) and Energy Dispersive (EDAX) analysis. The secondary metabolites present in methanolic extract which can mainly act as a reducing and capping agents for the formation of PbNps were identified by GC-MS. Anti-microbial activity for PbNps against four pathogenic strains such as Staphylococous aureus, Escheria coli, Staphylococcus epidermis and Bacillus subtilis. Result states that PbNps size was 47 nm and also shows good activity against S. aureus. Further we report on photocatalytic degradation of malachite green dye processed in short UV wavelength at 254 nm. UV spectral analysis showed peak absorbance at 613 nm with special reference to the excitation of surfaces plasmon vibration by PbNps Keywords: Lead nanoparticles, Cocos nucifera L, secondary metabolites, Anti-microbial activity, Short UV, Dye degradation

No. of Pages: 21 No. of Claims: 6

(21) Application No.2955/CHE/2014 A

(19) INDIA

(22) Date of filing of Application: 18/06/2014 (43) Publication Date: 29/01/2016

# (54) Title of the invention : POTENT LARVICIDAL PHYTOCONSTITUENTS FROM PETROLEUM ETHER EXTRACT OF DRIED FRUITS OF CARISSA CARANDAS

(51) International classification (31) Priority Document No	:A01N :NA	(71)Name of Applicant: 1)ANUPAMA. N
(32) Priority Date	:NA	Address of Applicant :SEAPEARL (H), UDUMA (P.O),
(33) Name of priority country	:NA	KASARAGOD (DIST) - 671 319 Kerala India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)GUNABALAN MADHUMITHA
(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:

Potent larvicidal phytoconstituents from petroleum ether extract of dried fruits of Carissa carandas The mosquito larvicidal activities of petroleum ether crude extract of dried fruits of Carissa carandas was examined against the larvae of Cx. quinquefasciatus and A. aegypti. 100 % mortality was recorded on the basis of LC50 and LC90. The extract showed LC50 = 116.14±2.26 mg/mL; LC90=464.18±26.32mg/mL against the larvae of A. aegypti and (LC50=210.36±4.68 mg/mL; LC90= 672.30±38.69 mg/mL against the larvae of Cx. quinquefasciatus respectively. The GC-MS analysis of the petroleum ether extract revealed the presence of nine compounds. Out of which p-Caryophyllene, a natural bicyclic sesquiterpenes was isolated from the non polar fraction of dried fruits of Carissa carandas. Keywords: Carissa carandas, larvicidal activity, petroleum ether extract, GC-MS, P-Caryophyllene

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

(22) Date of filing of Application :16/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: ASSESSING DATABASE MIGRATIONS TO CLOUD COMPUTING 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></ul>	:G06F 17/00 :NA :NA :NA	(71)Name of Applicant: 1)Accenture Global Services Limited Address of Applicant: 3 Grand Canal Plaza Grand Canal Street Upper, Dublin 4, Ireland Ireland (72)Name of Inventor:
(86) International Application No	:NA	1)SENGUPTA, Shubhashis
Filing Date	:NA	2)SHARMA, Vibhu Saujanya
(87) International Publication No	: NA	3)SUBRAMANIAN, Venkatesh
(61) Patent of Addition to Application Number	:NA	4)NURE, Subani Basha
Filing Date	:NA	5)BHOLA, Aditya
(62) Divisional to Application Number	:NA	6)SHAH, Sushil Kumar
Filing Date	:NA	7)NALAM, Chiranjeevi

#### (57) Abstract:

This disclosure relates to assessing database migrations to cloud computing systems. On example method includes determining, by a migration server including one or more hardware processors, a set of possible transactions associated with a database application based at least in part on a set of application attributes associated with the database application; generating, by the migration server, a set of application requirements associated with the set of possible transactions; and creating, by the migration server, a set of migration recommendations associated with the database application based on the set of application requirements, the set of migration recommendations configured to allow the database application to be migrated to a cloud computing system and to allow the database application to comply with the set of application requirements when executed in the cloud computing system.

No. of Pages: 50 No. of Claims: 20

(21) Application No.2911/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :16/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: ENGINE IGNITION TIMING CONTROL DURING EGR MODE TRANSITIONS

(51) International classification	:F02D	(71)Name of Applicant:
(31) Priority Document No	:2013-	1)SUZUKI MOTOR CORPORATION
(31) I Hority Document 140	141790	Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:05/07/2013	Hamamatsu-shi, Shizuoka-ken, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Hirotaka KATO
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

An engine ECU 25 calculates engine speed of an engine 1 from crank pulses produced by a crankshaft position sensor 11, and detects load on the engine 1 based on signal from a mass intake airflow sensor 14. The engine ECU 25 finds an ignition timing target based on the engine speed and load upon a shift between EGR-ON and EGR-OFF. The engine ECU 25 finds an estimate of EGR rate by estimating an EGR rate inside an intake manifold 3. The engine ECU 25 causes an ignition timing to vary by controlling the amount of ignition timing alteration according to a coefficient that is determined by the engine speed, the engine load and the estimate of EGR rate until the ignition timing target is reached.

No. of Pages: 26 No. of Claims: 3

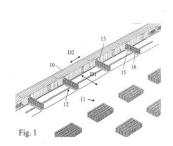
(22) Date of filing of Application :19/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: METHOD FOR LOADING BAGS OF CEMENT ONTO RAILWAY WAGONS

(51) International classification	:B61D	(71)Name of Applicant:
(31) Priority Document No	:PA 2013 70349	1)FLSMIDTH A/S Address of Applicant :of Vigerslev All 77, DK-2500 Valby,
(32) Priority Date	:24/06/2013	Denmark Denmark
(33) Name of priority country	:Denmark	(72)Name of Inventor:
(86) International Application No	:NA	1)BRIOSCHI, Sergio
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 method for loading bags of cement onto railway wagons that have at least one access door, comprising the steps of: packaging stacks of bags of cement without pallets or with slip sheets; transporting said stacks of bags of cement into a warehouse; picking up said stacks of bags of cement from said warehouse; pre-arranging said stacks of bags of cement on at least one first rectilinear conveyor set in a first direction perpendicular to said wagons; equipping said first conveyor with wheels that can roll along a rail set in a second direction parallel to said wagons; entering with a fork-lift truck said wagon; moving said first conveyor along said rail; setting said first conveyor in front of said door; and loading said wagon with said stacks of bags of cement. (Figure 1)



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

(22) Date of filing of Application :19/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: FRAME ASSEMBLY FOR A SWITCHBOARD AND RELATED FRAME AND SWITCHBOARD

<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>	:H02B :13173392.5 :24/06/2013 :EPO :NA :NA	(71)Name of Applicant:  1)ABB S.p.A.  Address of Applicant :of Via Vittor Pisani, 16, I-20124  Milano, Italy Italy (72)Name of Inventor:  1)PROSERPIO, Simone Angelo
<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	2)FRATTARUOLO, Massimo

## (57) Abstract:

An assembly for the frame of a switchboard, comprising a hollow member which extends lengthwise along a reference axis and which comprises at least one slot. The assembly further comprises at least one connecting element for connecting the assembly to a corresponding corner joint element of the frame, and the connecting element comprises an insulating body and a fixing metal plate which is associated to a carrying part of the insulating body. The carrying part is at least partially inserted transversally with respect to the reference axis into the hollow member through the slot, so as to arrange at least a portion of the associated fixing metal plate into the hollow member transversally with respect to the reference axis.

No. of Pages: 31 No. of Claims: 16

(21) Application No.2914/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :16/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: LINEAR COMPRESSOR

<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>	:H02K :10-2013- 0075512 :28/06/2013 :Republic of Korea	(71)Name of Applicant:  1)LG ELECTRONICS INC.  Address of Applicant:128, YEOUI-DAERO, YEONGDEUNGPO-GU, SEOUL, 150-721 Republic of Korea (72)Name of Inventor:  1)SANGSUB JEONG
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

ABSTRACT A linear compressor is provided. The linear compressor may include a cylinder that forms a compression space for a refrigerant, a piston that reciprocates in an axial direction inside of the cylinder, and a linear motor that supplies power to the piston. The linear motor may include an outer stator including a first stator magnetic pole, a second stator magnetic pole, and an opening defined between the first stator magnetic pole and the second stator magnetic pole; an inner stator disposed apart from the outer stator to form an air gap therebetween; and a permanent magnet movably disposed in the air gap between the outer stator and the inner stator and having three poles. The three poles may include two end magnetic poles, and a central magnetic pole disposed between the two end magnetic poles. The piston may be moveable by a stroke between a top dead center position and a bottom dead center position, and a length of the first stator magnetic pole or the second stator magnetic pole may be greater than a length of the stroke.

No. of Pages: 54 No. of Claims: 25

(22) Date of filing of Application :19/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: SYSTEM FOR PACKAGING SACKS IN PILES FOR THE TRANSPORT THEREOF

(51) Intermedianal alexaidian	.D.C.E.D.	(71) Name of Applicant.
(51) International classification	:B65B	(71)Name of Applicant :
(31) Priority Document No	:PA 2013	1)FLSMIDTH A/S
(31) I Hority Document No	70348	Address of Applicant :of Vigerslev All 77, DK-2500 Valby,
(32) Priority Date	:24/06/2013	Denmark Denmark
(33) Name of priority country	:Denmark	(72)Name of Inventor:
(86) International Application No	:NA	1)BRIOSCHI, Sergio
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:

System for packaging sacks in piles for the transport thereof comprising: a first base layer comprising two sacks; a plurality of layers of sacks comprising three sacks arranged according to a predefined configuration; each of said plurality of layers comprises two sacks set side by side along their long side and a sack set along the short sides of said two sacks; at least two belts that wrap said sacks orthogonally one to the other and wherein the sacks of said first base layer are spaced one from the other creating a space between the two sacks of the first base layer and in that a first belt surrounds the sacks of said first base layer and of said plurality of layers transversely with respect to the sacks of said first base layer, and a second belt is perpendicular to the first and wherein said second belt passes through the space between the two sacks of the first base layer. (Fig. 1)

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

(21) Application No.2994/CHE/2014 A

(19) INDIA

(22) Date of filing of Application: 19/06/2014 (43) Publication Date: 29/01/2016

# (54) Title of the invention : A METHOD FOR ENTERING MULTI-DIMENSIONAL DATA INCLUDING TEXT AND A DIMENSION MULTIPLIER KEYPAD THEREOF

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G06F :NA :NA	(71)Name of Applicant:  1)Dreamchip Electronics Private Limited  Address of Applicant : of Jayashree, Third Floor, #13/2, First
(33) Name of priority country	:NA	Street, Jayalakshmipuram, Nungambakkam, Chennai 600034,
(86) International Application No	:NA	India; an Indian company Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Gopi Kumar BULUSU
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A Dimension Multiplier (DM) keypad system for entering multi-dimensional data, said system comprising: at least one input device adapted to receive an input from a user; at least one keypad coupled to said input device, and adapted to: receive said input from said input device; display, via at least one text area of said keypad, said received input and/or a suitable audio output for voicing a sound; send said displayed input and/or said suitable audio output to at least one input processor; wherein said input processor coupled to said input device and said keypad, and adapted to: process said received input and/or said suitable audio output; transform said processed input and/or said suitable audio output into events; send said events to at least one Controller; wherein said Controller coupled to said input processor, and adapted to: receive said events; process said events to fetch an output from at least one fonttable or at least one phoneme table; and display and/or say, via at least one display screen or at least one speaker of said DM keypad system, said output. Figure 1

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

(22) Date of filing of Application :19/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: ULTRALIGHT LASER INFRARED COUNTERMEASURE (IRCM) SYSTEM

(51) International classification :F41	H (71)Name of Applicant:
(31) Priority Document No :61/8	1)BAE SYSTEMS INFORMATION AND ELECTRONIC
(32) Priority Date :03/0	07/2013 SYSTEMS INTEGRATION INC.
(33) Name of priority country :U.S	.A. Address of Applicant :P.O. Box 868, NHQ1-719, Nashua, NH
(86) International Application No :NA	03061-0868 United States of America U.S.A.
Filing Date :NA	(72)Name of Inventor:
(87) International Publication No : NA	1)PAUL I. EGBERT
(61) Patent of Addition to Application Number :NA	
Filing Date :NA	3)ANDREW J. RADL
(62) Divisional to Application Number :NA	4)ALDRIDGE G. SOWER
Filing Date :NA	5)EDWARD G. ZABLOCKI

## (57) Abstract:

An ultralight laser infrared countermeasure (IRCM) system is disclosed. In one embodiment, the system includes an ultra light housing. The system further includes a laser or an infrared missile warning sensor to provide imagery data upon detecting a threat infrared surface to air missile (IRSAM). The ultralight housing is further configured to include an ultralight laser infrared assembly, which includes a laser, and a laser pointer assembly. The ultralight housing is furthermore configured to include a missile warning processing module to produce a track point for the laser and to produce a modulation signal based on the imagery data, wherein the ultralight laser infrared assembly to modulate the laser pointer assembly based on modulation signal for a predetermined length of time to provide multiple simultaneous IRSAM engagement protection. [FIG. 3]



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

(21) Application No.2488/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :19/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: REMOVABLE AND REFIXABLE DINING PLATE

(51) International classification	:G10H	(71)Name of Applicant:
(31) Priority Document No	:NA	1)S. NATARAJAN
(32) Priority Date	:NA	Address of Applicant :NEW NO. 22, OLD NO. 14,
(33) Name of priority country	:NA	MURUGESAN STREET, CHOOLAI, CHENNAI - 600 112
(86) International Application No	:NA	Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)S. NATARAJAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A removable and refixable accompaniment holding stand unit for the DINING plate containing accompaniment holding stand 1, mounting bushes 3 and connecting pins 4. The said stand 1 is secured to DINING plate 2 by means of atleast one bush 3, whereas the said bush 3 is immovably fixed to the outer rim of the plate. The accompaniment holding stand 1 is secured to the bush 3 by means of connecting pins 4 which are removable and rotates the plate at required degrees. The present invention of accompaniment holding stand 1 reduces the space in dining table which facilitates to serve more customers at the same time.

No. of Pages: 12 No. of Claims: 8

(21) Application No.2946/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :17/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: A METHOD TO OPERATE A COMMON RAIL SYSTEM IN A LIMP HOME MODE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:H04W,F02D 41/00 :NA	(71)Name of Applicant:  1)Bosch Limited  Address of Applicant:Post Box No 3000, Hosur Road,
(32) Priority Date	:NA	Adugodi, Bangalore 560030, Karnataka, INDIA Karnataka India
(33) Name of priority country	:NA	2)Robert Bosch GmbH
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)STAUDACHER Elmar
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

An electronic control unit 10 to operate a common rail system 12 of a vehicle in a limp home mode is disclosed. The electronic control unit 10 determines an error. The electronic control unit 10 activates the limp home mode when the error is determined. The electronic control unit 10 counts a number of limp home events. The electronic control unit 10 alerts a user of the vehicle if the count of the limp home events is more than a predefined value. Reference figure: Figure 1

No. of Pages: 12 No. of Claims: 7

(21) Application No.2947/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :17/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: A NAVIGATION DEVICE AND METHOD

(51) International classification	:G01C	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Robert Bosch Engineering and Business Solutions Limited
(32) Priority Date	:NA	Address of Applicant :123, Industrial Layout, Hosur Road,
(33) Name of priority country	:NA	Koramangala, Bangalore 560095, Karnataka, INDIA Karnataka
(86) International Application No	:NA	India
Filing Date	:NA	2)Robert Bosch GmbH
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)PADMAN Ajit
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The invention relates to a navigation device (10) and method. The navigation device (10) comprises an interface (12) to receive a score for a plurality of comfort factors for at least one travel route from at least one user in the vehicle. A controller (14) of the navigation device (10) computes a net-comfort value for at least one travel route based on the received scores. Further, the controller (14) suggests a route to a destination based on the net-comfort value for one or more travel routes. Reference figure: Figure 1

No. of Pages: 11 No. of Claims: 9

(22) Date of filing of Application :17/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: METHOD, SYSTEM AND APPARATUS FOR MICROWAVES TISSUE PROCESSING

(51) International classification	:G01N	(71)Name of Applicant :
(31) Priority Document No	:NA	1)M. S. Ramaiah University of Applied Sciences
(32) Priority Date	:NA	Address of Applicant :University House, Gnanagangothri
(33) Name of priority country	:NA	Campus, New BEL Road, M S R Nagar, Bangalore - 560 054,
(86) International Application No	:NA	Karnataka, India. Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Dr. Roopa S Rao
(61) Patent of Addition to Application Number	:NA	2)Dr. Shankargouda Patil
Filing Date	:NA	3)Dr. Amrutha Nagaraja
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

ABSTRACT According to an aspect of the present disclosure, a tissue specimen is processed and stained under the influence of microwaves to enhance the rate of diffusion of various agents into the tissue specimen. In tissue processing, isopropyl alcohol is used for the dehydration and clearing of tissue specimen while paraffin wax used for impregnation. Then it is stained with H & E stains under the influence of microwaves. In one embodiment, an automated microwave generating unit provided for ease of tissue processing and staining, with an automatic dipper configured to rotate and dip the tissue specimen in the agent determined by the control panel. The dehydrating, clearing and impregnating agents are placed in a circular fashion. The staining agent is also placed in the device and the control panel is configured to place the tissue specimen in the staining agent after the completion of tissue processing.

No. of Pages: 22 No. of Claims: 9

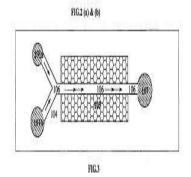
(22) Date of filing of Application :23/06/2014 (43) Publication Date : 29/01/2016

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

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	1) Name of Applicant:  1) INDIAN INSTITUTE OF SCIENCE Address of Applicant: INDIAN INSTITUTE OF SCIENCE, C V RAMAN ROAD, BANGALORE 560 012 Karnataka India (72) Name of Inventor: 1) VISWANATHAN KUMARAN NA N
()	NA NA

#### (57) Abstract:

Abstract A microfluidic device of the present invention is connected to at least an inlet to permit at least a stream of fluid with a desired fluid flow rate and a stable laminar flow. A body with at least a non-deformable portion and a deformable portion is connected to the inlet. At least a microconduit of substantially reduced length and cross-section, integrally formed in said non-deformable and deformable portions, and connected to the inlet. The stable laminar flow of fluid transiting through the microconduit is disrupted, resulting in a turbulent flow of the fluid, with a vibration of the deformable portion, when the fluid flow rate crosses a threshold value. The turbulent flow of the fluid undergoes an enhanced mixing, in a reduced period of time. At least an outlet is connected to microconduit to collect the mixed fluid. A network of microfluidic devices are arranged to perform mixing of fluids. FIG.2(a) &(b)



No. of Pages: 45 No. of Claims: 19

(22) Date of filing of Application :17/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: MIMO-OFDM COMMUNICATION 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></ul>	:H04L,H04B :NA :NA :NA	(71)Name of Applicant:  1)M. S. Ramaiah School of Advanced Studies, Bangalore Address of Applicant:#470-P, Peenya Industrial Area, Peenya 4th Phase, Bengaluru, Karnataka, India 560 058. Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)M Chetan Kumar
(87) International Publication No	: NA	2)S T Manju
(61) Patent of Addition to Application Number	:NA	3)Sanket Dessai
Filing Date	:NA	4)N D Gangadhar
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

ABSTRACT According to an aspect of the present disclosure, OFDM used in MIMO channel, referred to as MIMO-OFDM, combines the advantages of OFDM and MIMO to combat both multipath fading and frequency selective fading. In MIMO-OFDM, data streams are transmitted from different antennas and different tones (frequencies) and the total available power is allocated uniformly across all space-frequency sub-carriers. OFDM modulation in a MIMO channel turns a frequency-selective MIMO fading channel into a set of parallel frequency-flat MIMO fading channels. MIMO-OFDM thus provides improved spectral efficiency, link reliability, high spectral gain and high data rate since MIMO-OFDM offers space, time and frequency diversity. In an embodiment, MIMO-OFDM transmitter and receiver are deployed using separate ARM processors, one each for transmitter and receiver, by configuring the processors with a set of instructions.

No. of Pages: 22 No. of Claims: 1

(21) Application No.2950/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :17/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: BUSINESS RULES MANAGEMENT SYSTEM AND ITS RULE ENGINES

(51) International classification :0	G06F	(71)Name of Applicant:
(31) Priority Document No	NA	1)Mahesh Ramichetty
(32) Priority Date	NA	Address of Applicant :Plot # 52, Road # 2, Jubliee Hills,
(33) Name of priority country	NA	Hyderabad, 500033 Andhra Pradesh India
(86) International Application No :1	NA	2)Kartik Narayana Maringanti
Filing Date :1	NA	(72)Name of Inventor:
(87) International Publication No :	NA	1)Mahesh Ramichetty
(61) Patent of Addition to Application Number	NA	2)Kartik Narayana Maringanti
Filing Date :1	NA	
(62) Divisional to Application Number :1	NA	
Filing Date :1	NA	

## (57) Abstract:

The present invention provides business rules management system includes a server, a rules mobile application based on mobile device 103, a web application, a WAR application, a database includes master node and slave node, a redis cache server, a rabbitMQ as JMS communication mode, a cache module, a notification module (subscriber) and a client application connector and test client development connector. The Web application ARchive [WAR] application is packaged and integrated with the external systems for caching and asynchronous JMS communication.

No. of Pages: 30 No. of Claims: 9

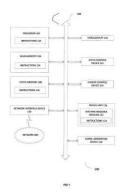
(22) Date of filing of Application :23/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: ADAPTING SERVICES OF APPLICATION

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (87) International Publication Number Filing Date (88) International Publication Number Filing Date (89) Divisional to Application Number Filing Date (80) Divisional to Application Number Filing Date (81) International classification Number Filing Date (83) Name of priority Country (84) International Application Number Filing Date (85) International Classification Number Filing Date (86) International Classification Number Filing Date	Address of Applicant :IP CELL, PLOT NO 44, ELECTRONICS CITY, HOSUR ROAD, BANGALORE 560 100 Karnataka India (72)Name of Inventor: 1)VENKAT KUMAR SIVARAMAMURTHY 2)PUNEET GUPTA
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#### (57) Abstract:

ABSTRACT OF THE DISCLOSURE [0052] A method for adapting services of applications. The method includes invoking an application installed on a device in an environment of a device. The environment of the device is sensed after the launch of the application. The sensing involve steps to obtain environment information of the device. The user requests a service in the application. A service page of the requested service is parsed to find the service tag(s) in the requested service page. Service dependency of the application on other application(s) in the environment of the device is analyzed using a mapping table. Bases on the service dependency of the application on the other application installed in the environment of the device, the enablement and/or disablement of service is decided using user configured rule(s). Based on the decision, the service is rendered on the service page of the application. REF FIG: 1



No. of Pages: 27 No. of Claims: 14

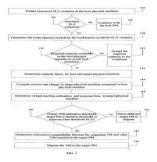
(22) Date of filing of Application :23/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: SYSTEM AND METHOD FOR DETECTING AND PREVENTING SERVICE LEVEL AGREEMENT VIOLATION IN A VIRTUALIZED ENVIRONMENT

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number	NA NA NA NA	(71)Name of Applicant:  1)INFOSYS LIMITED  Address of Applicant: IP CELL, PLOT NO.44,  ELECTRONIC CITY, HOSUR ROAD, BANGALORE - 560 100  Karnataka India (72)Name of Inventor:  1)RAJESHWARI GANESAN  2)SANTONU SARKAR  3)ARPAN ROY
()	NA NA	

## (57) Abstract:

This technique determines the possible Service Level Agreement (SLA) violation during migrating a workload from a physical environment to a virtualized environment and also migrating a virtual machine (VM) from one physical machine to another within a virtualized environment. This technique uses capacity factor, i.e. the ratio of host physical machine (host PM) capacity and target physical machine (target PM) capacity, to determine the service rate change in the target PM compared to host PM and eventually calculates the VM utilization and response time in the target PM. It then checks if the VM utilization and response time in the target PM lies within the SLA limit. It further checks if the migration in the target virtualized PM is violating a predefined target PM utilization threshold or not and finally causes the migration in the target physical machine if all the SLA parameters are satisfied. REF FIG: 1



No. of Pages: 31 No. of Claims: 25

(21) Application No.2958/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :18/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: LENGTH ADJUSTMENT MECHANISM IN TOTAL DISTAL FEMUR PROSTHESIS

(51) I do no d'an el al col'Card'an	A C1E	(71)NI
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)MARIA CELESTINE JAYASINGH
(32) Priority Date	:NA	Address of Applicant :NO. 9/4, FLAG STAFF STREET,
(33) Name of priority country	:NA	ROYPURAM, CHENNAI - 600 013 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MARIA CELESTINE JAYASINGH
(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 length adjustments mechanism in the Total Distal Femur Prosthesis with knee joint consists of 6 major parts such as (a) Condylar head (b) Long threaded portion and extension shaft, (c) lock nut, (d) threaded sleeve, (e) Intermediate shaft and  $(\pounds)$  locking spacer. The threaded portion of the condylar head has an extension shaft in - b5 - have a keyway slot in b4 to provide way for length adjustment. The lock nut - c - seated in the threaded shaft portion of - bl - to provide locking system in the final. The Intermediate shaft seated with - d9 - of the sleeve nut with a screw fitted through the threaded holes in - f4 - and seated with the keyway slot to arrest the rotating movement and provide vertical movement when the threaded sleeve turned in clockwise or anticlockwise. The other three holes in the locking spacer also fitted by screws with the intermediate shaft counter holes and make a complete assembly.

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

(21) Application No.2959/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :18/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention : VIRTUAL FUEL SULFUR SENSOR TO IMPROVE THE HIGH SULFUR RESISTANCE OF SCR 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</li> <li>Filing Date</li> </ul>	:F01N :61/841,076 :28/06/2013 :U.S.A. :NA :NA :NA	,
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An apparatus includes an exhaust aftertreatment system and a controller communicably coupled to the exhaust aftertreatment system. The controller is structured to determine that there is an amount of deterioration in a selective catalytic reduction system of the exhaust aftertreatment system, wherein the deterioration is at least partly caused by a high sulfur fuel. In response, the controller is structured to activate at least one of an in-cylinder management mode and an out-of-cylinder management mode, wherein the management modes are configured to increase a temperature of exhaust gas flowing through the selective catalytic reduction system to burn away an amount of ammonia sulfate in the selective catalytic reduction system and recover performance of the selective catalytic reduction system.

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

(19) INDIA

(22) Date of filing of Application:16/06/2014

(21) Application No.4471/CHENP/2014 A

(43) Publication Date: 29/01/2016

## (54) Title of the invention: SOFTWARE BUS

:G06F9/54	(71)Name of Applicant:
:11/61746	1)SAGEMCOM BROADBAND SAS
:16/12/2011	Address of Applicant :250 Route de lEmpereur F 92500 Rueil
:France	Malmaison France
:PCT/EP2012/075652	(72)Name of Inventor:
:14/12/2012	1)ROCQUELAY Antony
:WO 2013/087894	2)ALARCON Laurent
:NA	
:NA	
:NA	
:NA	
	:11/61746 :16/12/2011 :France :PCT/EP2012/075652 :14/12/2012 :WO 2013/087894 :NA :NA

## (57) Abstract:

The present invention relates to the field of methods of communication between software modules and more particularly software buses. There is described a software bus which allows communication between software modules. This communication occurs within a machine and between machines and operates interchangeably for the software module whether one is dealing with a process a lightweight process or a simple task. The communication relies on mechanisms adapted to the multitask level at which the sender and receiver software modules operate. It is based on a hierarchical architecture phases of discovery and of recording of the various software modules having to communicate via the bus.



No. of Pages: 37 No. of Claims: 11

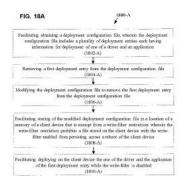
(22) Date of filing of Application :16/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention : DEPLOYMENT OF A DRIVER OR AN APPLICATION ON A CLIENT DEVICE HAVING A WRITE FILTER

<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 Filing Date</li> </ul>	:G06F17/30 :13/305582 :28/11/2011 :U.S.A. :PCT/US2012/050971 :15/08/2012 :WO 2013/081680 :NA :NA :NA	(71)Name of Applicant:  1)WYSE TECHNOLOGY L.L.C. Address of Applicant: 3471 N. First Street San Jose CA 95134 U.S.A. (72)Name of Inventor: 1)MALLUR Muralidhara 2)BANDAKKA Jyothi 3)TUKOL Sanmati
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#### (57) Abstract:

The deployment of a driver or an application on a client device having a write filter is described. A deployment configuration file is obtained wherein the deployment configuration file includes a plurality of deployment entries each having information for deployment of one of a driver and an application. A first deployment entry is retrieved from the deployment configuration file and the deployment configuration file is modified to remove the first deployment entry from the deployment configuration file. The modified deployment configuration file is stored in a location of a memory of the client device that is exempt from a write filter restriction wherein the write filter restriction prohibits a file stored on the client device with the write filter enabled from persisting across a reboot of the client device. The one of the driver and the application of the first deployment entry is then deployed on the client device while the write filter is disabled.



No. of Pages: 189 No. of Claims: 44

(21) Application No.2966/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :18/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention : SYSTEM AND METHOD FOR IDENTIFYING ENTERPRISE RISKS EMANATING FROM SOCIAL NETWORKS

(51) International classification	:G06Q	(71)Name of Applicant:
(31) Priority Document No	:NA	1)COGNIZANT TECHNOLOGY SOLUTIONS INDIA
(32) Priority Date	:NA	PVT. LTD.
(33) Name of priority country	:NA	Address of Applicant :TECHNO COMPLEX, NO. 5/535,
(86) International Application No	:NA	OLD MAHABALIPURAM ROAD, OKKIYAM
Filing Date	:NA	THORAIPAKKAM, CHENNAI 600 097 Tamil Nadu India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)JAI GANESH
Filing Date	:NA	2)BHARADWAJ RAGHURAMAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

SYSTEM AND METHOD FOR D3ENTD7YING ENTERPRISE RISKS EMANATING FROM SOCIAL NETWORKS A computer-implemented method and a system for identifying one or more enterprise risks emanating from one or more social networks are provided. In various embodiments of the present invention, interaction data of one or more users of the one or more social networks are aggregated. The aggregated interaction data and one or more predefined keywords relating to the one or more enterprise risks are employed to identify one or more communities of users interacting in a predetermined time period. One or more non-active users are iteratively eliminated from the one or more communities and interaction data of remaining users are analyzed for identifying the one or more enterprise risks.

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

(22) Date of filing of Application :18/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention : A PROCESS OF CO-PRODUCING METHANOL AND SYNTHESIZED NATURAL GAS WITH COKE OVEN GAS AND A PLANT FOR ACHIEVING SAID PROCESS

(51) International classification :C10B (31) Priority Document No :2013102 (32) Priority Date :18/06/20 (33) Name of priority country :China (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA	(71)Name of Applicant:  1)CHINA PETROLEUM & CHEMICAL CORPORATION Address of Applicant :of No.22 Chaoyangmen North Street, Chaoyang District, Beijing, 100728, China China 2)Research Institute of Nanjing Chemical Industrial Group (72)Name of Inventor: 1)WEI, Shixin 2)CHU, Zheng 3)ZHU, Donghong 4)SHI, Xiangyu
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#### (57) Abstract:

The present invention provides a process of co-producing methanol and synthesized natural gas with coke oven gas and a plant for achieving said process, said process comprises the steps of: pre-treating at least one coke oven gas, adding at least one carbon-containing gas to the pre-treated coke oven gas to adjust the hydrogen/carbon ratio, compressing and desulfurizing the resulting mixed gas, and then conducting a methanol synthesis reaction, separating the resulting methanol synthesis reaction product into a methanol-rich stream and a methanol-lean stream, subjecting the methanol-lean stream to a methane synthesis reaction in two or three methane synthesis reactors connected in series, and separating water from the resulting methane synthesis reaction product to produce a synthesized natural gas.

No. of Pages: 35 No. of Claims: 24

(21) Application No.4474/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application: 17/06/2014 (43) Publication Date: 29/01/2016

## (54) Title of the invention: BIOACTIVE COMPOSITIONS HAVING SKIN ANTI AGING ACTIVITY

(51) International

:A61Q19/04,A61Q19/08,A61K8/97 classification

(31) Priority Document No :61/579197 :22/12/2011 (32) Priority Date

(33) Name of priority country: U.S.A.

(86) International Application :PCT/EP2012/076132

:19/12/2012

Filing Date

(87) International Publication :WO 2013/092699

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)AKZO NOBEL CHEMICALS INTERNATIONAL B.V.

Address of Applicant: Stationsstraat 77 NL 3811 MH

Amersfoort Netherlands (72)Name of Inventor:

1)DUEVA KOGANOV Olga V

2)KOGANOV Michael 3) RICHARDS Jeanette 4)DAWSON Tom 5) COMBS Mary Jane

(57) Abstract:

The present invention relates to bioactive compositions comprising blends of camellia and feverfew serum fractions and/or kelp and parsley serum fractions.

No. of Pages: 44 No. of Claims: 23

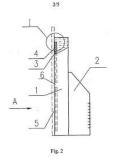
(22) Date of filing of Application: 17/06/2014 (43) Publication Date: 29/01/2016

# (54) Title of the invention : LATERAL COMPOSITE BLOCK FOR LINER IN HEAT INSULATING ALUMINUM ELECTROLYSIS CELL

		(71)Name of Applicant:
(51) International classification	:C25C3/08	1)CHINA ALUMINUM INTERNATIONAL
(31) Priority Document No	:201110369319.8	ENGINEERING CORPORATION LIMITED
(32) Priority Date	:21/11/2011	Address of Applicant :Building C No.99 Xingshikou Road
(33) Name of priority country	:China	Haidian District Beijing 100093 China
(86) International Application No	:PCT/CN2012/001414	(72)Name of Inventor:
Filing Date	:23/10/2012	1)LIU Yafeng
(87) International Publication No	:WO 2013/075396	2)QIU Yang
(61) Patent of Addition to Application	:NA	3)BAI Bin
Number	:NA	4)HU Hongwu
Filing Date	.11/1	5)YANG Xindong
(62) Divisional to Application Number	:NA	6)SUN Kangjian
Filing Date	:NA	7)ZOU Zhiyong
		8)LU Yanfeng

## (57) Abstract:

Disclosed is a lateral composite block for a liner in a heat insulating aluminum electrolysis cell the composite block comprising a lateral block combining silicon nitride and silicon carbide a cell housing and a profile carbon block wherein the side of the lateral block combining silicon nitride and silicon carbide in contact with the cell housing is grooved a heat insulating layer being mounted inside the groove and a material resistant to corrosion from the electrolyte vapour sealing between the heat insulating layer in the groove and the cell housing. The lateral composite block for the liner alters the mounting form of the heat insulating layer of the melt region in the liner structure of a traditional heat insulating electrolysis cell wherein the heat insulating layer is inserted into the groove of the lateral block combining silicon nitride and silicon carbide the seal of the material resistant to corrosion from the electrolyte vapour is sintered together with the lateral block combining silicon nitride and silicon carbide as one piece facilitating long term maintenance of the performance of the heat insulation material maintaining the heat balance ability of the electrolysis cell and extending the service life of the electrolysis cell.



No. of Pages: 13 No. of Claims: 5

(22) Date of filing of Application :21/01/2009 (43) Publication Date : 29/01/2016

## (54) Title of the invention: AN OPTIMISED MANUFACTURING PROCESS FOR STABLE FIBER BRAGG GRATINGS(FBGS)

	GOAD	
(51) International classification		(71)Name of Applicant :
(51) international classification	6/34	1)SECRETARY, DEPARTMENT OF INFORMATION
(31) Priority Document No	:NA	TECHNOLOGY (DIT)
(32) Priority Date	:NA	Address of Applicant :MINISTRY OF COMMUNICATON
(33) Name of priority country	:NA	AND INFORMATION TECHNOLOGY, GOVERNMENT OF
(86) International Application No	:NA	INDIA, ELECTRONICS NIKETAN, 6, CGO COMPLEX,
Filing Date	:NA	LODHI ROAD, NEW DELHI 110003 Delhi India
(87) International Publication No	: NA	2)INDIAN INSTITUTE OF TECHNOLOGY-MADRAS
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SRINIVASAN, BALAJI
(62) Divisional to Application Number	:NA	2)VISWANATHAN, NIRMAL KUMAR
Filing Date	:NA	

## (57) Abstract:

The invention disclosed relates to a manufacturing process and system to produce high quality Fiber Bragg Gratings by calculating the decay behaviour of the FBG s from their growth and annealing the grown FBG under a temperature for a time decided on the basis of the analysis done on the growth characteristics. This process excludes the need for expensive and time consuming accelerated aging testing experiments. This process also helps in discarding the gratings which may be determined to be unusable based on the writing data without further processing.

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

(21) Application No.2900/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :13/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: RIVETED METAL HOUSING FOR WAFER ELETROMAGNETIC FLOWMETER

<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>	:NA :NA :NA	(71)Name of Applicant:  1)ABB TECHNOLOGY LTD.  Address of Applicant: AFFOLTERNSTRASSE 44, CH-8050,  ZURICH Switzerland (72)Name of Legisland
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor: 1)YOGESH RATHOD
(87) International Publication No	: NA	2)SUHAS CHAKRAVARTHY
(61) Patent of Addition to Application Number	:NA	3)SHANTHALA KAMATH
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

In aspects, the present invention discloses a wafer type electromagnetic flowmeter for measuring a flow rate of a fluid. The wafer type flowmeter includes a spool assembly comprising a cylindrical hollow flow tube for carrying the fluid along a first axis, and a plurality of mounting clamps, affixed to an outer surface of the cylindrical hollow tube, substantially perpendicular to the first axis. Additionally the flowmeter includes a housing for housing the spool assembly. The housing includes a first semi-cylindrical section and second semi-cylindrical section mounted on the spool assembly using one or more mounting clamps from the plurality of mounting clamps. FIG. 2

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

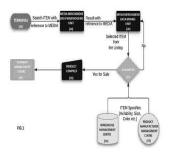
(22) Date of filing of Application :13/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: ONLINE PLATFORM AND SYSTEM FOR SHOPPING

(51) International classification	:G06Q	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SHANKAR PRASAD
(32) Priority Date	:NA	Address of Applicant :10905, WALNUT BLOCK, INDU
(33) Name of priority country	:NA	FORTUNE FIELD GARDENIA, NEAR HITECH RAILWAY
(86) International Application No	:NA	STATION, HYDERABAD - 85 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SHANKAR PRASAD
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

ABSTRACT A platform characterized by displaying or describing the Products for "sale and auction" with reference to Media or Endorsers and thereby allowing customers to buy and own the Products or similar Products used in the Media or by Endorsers and gives information regarding the Items or delivers these Items to customers who purchase them from the platform.



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

(21) Application No.2979/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :19/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: STRUCTURE OF VEHICLE BODY FRONT PORTION

(51) International classification	:B62D	(71)Name of Applicant:
(31) Priority Document No	:2013-	1)SUZUKI MOTOR CORPORATION
(31) Friority Document No	133832	Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:26/06/2013	Hamamatsu-shi, Shizuoka-ken, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Yoshitaka USUDA
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

[Abstract] [Problem to be Solved] To provide a structure of a vehicle body front portion that can prevent increase in a vehicle body weight, can prevent increase in manufacturing cost of a vehicle body, and can increase rigidity of the vehicle body front portion with respect to a load applied from a front hood. [Solution] A structure of a vehicle body front portion including: a pair of apron side members disposed along a vehicle front and rear direction while being spaced apart from each other in a vehicle width direction; a lamp support brace extending to a vehicle upper side from a front end portion, in the vehicle front and rear direction, in at least one of the pair of apron side members; a cushion bracket extending to the vehicle upper side from an upper end portion, in a vehicle upper and lower direction, of the lamp support brace; and a hood cushion disposed on an upper end portion, in the vehicle upper and lower direction, of the cushion bracket and capable of supporting a front hood; wherein the front end portion of the apron side member, the lamp support brace, the cushion bracket, and the hood cushion are aligned with one another in the vehicle upper and lower direction. [Selected Drawing] Figure 2

No. of Pages: 29 No. of Claims: 6

(21) Application No.4478/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :17/06/2014 (43) Publication Date : 29/01/2016

# $(54) \ Title \ of the \ invention: THERMOSET \ POLYURETHANE \ FOAM \ CONTAINING \ BROMINATED \ POLYMERIC \ FLAME \ RETARDANT$

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date  (51) International Publication No (51) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date  (53) International Application No (54) PCT/US2012/068 (55) PCT/US2012/068 (56) PCT/US2012/068 (57) PCT/US2012/068 (58) PCT/US2012/068 (58) PCT/US2012/068 (59) PCT/US2012/068 (50) PCT/US2012/068 (50) PCT/US2012/068 (50) PCT/US2012/068 (51) PCT/US2012/068 (51) PCT/US2012/068 (52) PCT/US2012/068 (53) PCT/US2012/068 (54) PCT/US2012/068 (55) PCT/US2012/068 (56) PCT/US2012/068 (57) PCT/US2012/068 (57) PCT/US2012/068 (58) PCT/US2012/068 (58) PCT/US2012/068 (50) PCT/US	1)DOW GLOBAL TECHNOLOGIES LLC Address of Applicant :2040 Dow Center Midland Michigan 48674 U.S.A. (72)Name of Inventor: 1)CRAIN Steven P.
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(57) Abstract:

Prepare a thermoset polyurethane foam containing a brominated polymer with aliphatic bromine as a flame retardant.

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

(22) Date of filing of Application :18/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: DIATOM-BASED NANOCOMPOSITES, METHODS FOR THEIR PREPARATION AND USE

(51) International classification	:C01B	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Indian Institute of Technology Madras
(32) Priority Date	:NA	Address of Applicant :Chennai 600036, Tamil Nadu, India
(33) Name of priority country	:NA	Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SUNDARA, Ramaprabhu
(87) International Publication No	: NA	2)VELLAICHAMY, Sangeetha
(61) Patent of Addition to Application Number	:NA	3)SHUNMUGAM, Abinaya
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

ABSTRACT Methods of forming a diatom-based nanocomposite are provided. The methods include mixing at least one diatomic material, one or more metal precursors, and functionalized graphite oxide to form a mixture. The methods also include exfoliating the mixture in presence of hydrogen to reduce functionalized graphite oxide to graphene and reducing the one or more metal precursors to metal nanoparticles. The methods further include depositing the metal nanoparticles on the diatomic material to form the diatom-based nanocomposite.

No. of Pages: 22 No. of Claims: 10

(21) Application No.2972/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :18/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention : NOVEL POLYMORPH OF (R)-9-(2-[PHOSPHONOMETHOXY)PROPYL] ADENINE AND PROCESS FOR THE PREPARATION THEREOF $\bullet$

(51) International classification	:C07F	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Tyche Industries Limited
(32) Priority Date	:NA	Address of Applicant :H.No.C-21/A, Road No.9, Film Nagar,
(33) Name of priority country	NA	Jubilee Hills, Hyderabad. Andhra Pradesh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)NARAYANA, Rao Mutyala
(87) International Publication No	: NA	2)RAMADAS, Chavakula
(61) Patent of Addition to Application Number	:NA	3)SRINIVASA, Rao Chennupati
Filing Date	:NA	4)SANDEEP, Gokaraju
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to novel polymorph of (R)-9-[2-(phosphonomethoxy)propyl]adenine and process for the preparation thereof. Particularly, the present invention relates to novel anhydrous form of (R)-9-[2-(phosphonomethoxy)propyl]adenine and process for the preparation thereof.

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

(22) Date of filing of Application: 16/06/2014 (43) Publication Date: 29/01/2016

# (54) Title of the invention: NOVEL PYRROLE DERIVATIVES

(51) International :C07D207/36,C07D417/04,C07D401/04 classification

(31) Priority Document

:11191986.6

:05/12/2011 (32) Priority Date

(33) Name of priority country

:EPO

(86) International

:PCT/GB2012/053022

Application No Filing Date

:05/12/2012

(87) International

:WO 2013/083975

Publication No (61) Patent of Addition to :NA

:NA

**Application Number** Filing Date (62) Divisional to

:NA :NA

**Application Number** Filing Date

(71)Name of Applicant:

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Address of Applicant : Fielding Johnson Building University

Road Leicester LE1 7RH U.K.

(72) Name of Inventor:

1)ANDREW Peter William

2)LONNEN Rana

3)DAMASO Mafalda Pires

4)FRICKEL Fritz Frieder

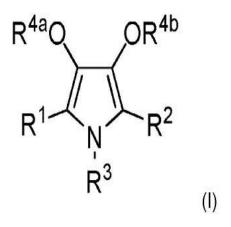
5)HIRST Simon Christopher

6)DAVIES Mark William

7)HAMZA Daniel

(57) Abstract:

There are provided inter alia compounds of formula (I) wherein R R R R and R are as defined in the specification and their use in therapy especially in the treatment of bacterial (e.g. pneumococcal) infections.



No. of Pages: 169 No. of Claims: 44

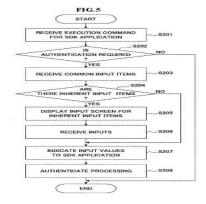
(22) Date of filing of Application :16/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: ELECTRONIC DEVICE INFORMATION PROCESSING SYSTEM INFORMATION MANAGING APPARATUS INFORMATION PROCESSING METHOD AND INFORMATION PROCESSING PROGRAM

(51) International classification: G06F21/44,B41J29/00,B41J29/38 (71)Name of Applicant: (31) Priority Document No 1)RICOH COMPANY LTD. :2012007778 (32) Priority Date Address of Applicant: 3 6 Nakamagome 1 chome Ohta ku :18/01/2012 (33) Name of priority country Tokyo 1438555 Japan :Japan (72) Name of Inventor: (86) International Application :PCT/JP2012/084253 1)KIKUCHI Manami :21/12/2012 Filing Date (87) International Publication :WO 2013/108583 No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

An electronic device includes: a reception section to receive attribute information of input items inherent to an installed program as the input items for authentication; a storing section to store the attribute information; a display controlling section to display an input screen on a display section for entering the input items inherent to the program in addition to common input items for multiple programs based on the attribute information stored in the storing section in response to an execution command from the program; and an indicating section to indicate input values for the input items inherent to the program to the program with respect to the inherent input items.



No. of Pages: 49 No. of Claims: 10

(21) Application No.4453/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :16/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: MEDICAMENT DELIVERY DEVICE

(51) International classification:A61M5/24,A(31) Priority Document No:11511631(32) Priority Date:06/12/2011(33) Name of priority country:Sweden

(86) International Application No :PCT/SE2012/051311 Filing Date :28/11/2012

(87) International Publication No :WO 2013/085453

(61) Patent of Addition to Application
Number
Filing Date
(62) Divisional to Application Number
Filing Date
:NA
Filing Date
:NA

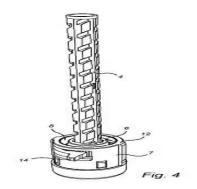
:A61M5/24,A61M5/315 (71)**Name of Applicant :** :11511631 **1)SHL GROUP AB** 

Address of Applicant :IP Department Box 1240

Augustendalsvgen 19 SE13128 Nacka Strand Sweden (72)Name of Inventor:
1)ELM%N Gunnar

#### (57) Abstract:

The invention relates to a medicament delivery device comprising a locking mechanism (5) for locking a plunger rod (4). The locking mechanism(5) comprises a locking wheel (6) and locking means (7) said locking means (7) being moveable between an active position where the locking means (7) prevent the locking wheel (6) from rotation and an inactive position where the locking means (7) allow the locking wheel (6) to rotate wherein said plunger rod (4) extends through an opening in the locking wheel (6); and a resilient member (8) arranged at the moveable locking means (7) and being arranged to act on the moveable locking means (7) to displace said movable looking means (7) towards the inactive position where the locking means (7) allow the locking wheel (6) to rotate.



No. of Pages: 22 No. of Claims: 16

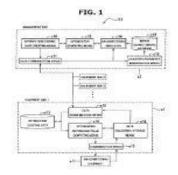
(22) Date of filing of Application :18/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: REMOTE MONITORING CONTROL SYSTEM AND METHOD OF OPERATING SAME

(51) International classification	:F24F11/02	(71)Name of Applicant :
(31) Priority Document No	:2011277703	1)HITACHI LTD.
(32) Priority Date	:19/12/2011	Address of Applicant :6 6 Marunouchi 1 chome Chiyoda ku
(33) Name of priority country	:Japan	Tokyo 1008280 Japan
(86) International Application No	:PCT/JP2012/079693	(72)Name of Inventor:
Filing Date	:15/11/2012	1)MIYAJIMA Yuji
(87) International Publication No	:WO 2013/094350	2)KIKUCHI Hiroshige
(61) Patent of Addition to Application	:NA	3)MIZUSHIMA Takanari
Number	:NA	4)KITAJIMA Keiichi
Filing Date	.11/1	5)OSHIMA Noboru
(62) Divisional to Application Number	:NA	6)KURAMOTO Masao
Filing Date	:NA	7)SUZUKI Koji

#### (57) Abstract:

This remote monitoring control system comprises an administration/adjustment computer (c1) further comprising: an adjustment parameter identification means (c12) for identifying an adjustment parameter for controlling an air conditioning system (e11); an apparatus characteristic storage unit (c13) in which characteristics and system configurations of apparatuses of the air conditioning system (e11) are stored; an air conditioning system simulator (c14) which simulates energy consumption quantities of the air conditioning system (e11); and an optimizing computation means (c15) for carrying out an optimization computation. The administration/adjustment computer (c1) computes optimizing control data for controlling the air conditioning system (e11) corresponding to environmental conditions based on characteristics of a heat source device (1) which creates either coldness or heat and/or a heat exchanger (4) which exchanges heat with the heat source and of a conveyance system which conveys a heat medium such that an evaluation function (W) relating to energy consumption reaches a desired value.



No. of Pages: 56 No. of Claims: 10

(62) Divisional to Application Number: NA

(19) INDIA

(22) Date of filing of Application: 17/06/2014 (43) Publication Date: 29/01/2016

## (54) Title of the invention: ANNULAR BARRIER SYSTEM WITH FLOW LINES

:NA

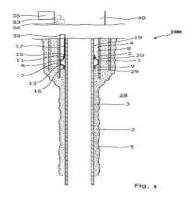
:E21B33/124,E21B33/127 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)WELLTEC A/S :11191287.9 (32) Priority Date Address of Applicant :Gydevang 25 DK 3450 Aller d :30/11/2011 (33) Name of priority country :EPO Denmark (86) International Application No :PCT/EP2012/073918 (72) Name of Inventor: Filing Date :29/11/2012 1)HALLUNDB†K J rgen (87) International Publication No :WO 2013/079575 2)HAZEL Paul (61) Patent of Addition to Application :NA :NA

(57) Abstract:

Filing Date

Filing Date

The present invention relates to an annular barrier system (100) connected with a well head (40) via a well tubular structure (3) comprising a first annular barrier (1) and a second annular barrier (21) to be expanded in an annulus (2) between the well tubular structure and an inside wall (4) of a casing (20) or a borehole (5) downhole for providing zone isolation between a first zone (8) and a second zone (9) each annular barrier comprising a tubular part (6) extending in a longitudinal direction for mounting as part of the well tubular structure an expandable sleeve (7) surrounding the tubular part and defining a space (13) an opening (11) for letting fluid into the space to expand the sleeve and a first connection part (15) and a second connection part (16) connecting the expandable sleeve with the tubular part and wherein the first connection part is arranged nearest to the well head the system further comprising a flow line (17) fluidly connecting the well head with the opening for supplying fluid to the opening for expanding the expandable sleeve. Furthermore the present invention relates to a well completion system and method.



No. of Pages: 25 No. of Claims: 21

(21) Application No.4576/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :18/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: ORGANIC ELECTROLYTE AND ORGANIC ELECTROLYTE STORAGE BATTERY

(51) International classification	:H01M10/0567,H01M10/052	(71)Name of Applicant:
(31) Priority Document No	:2011282132	1)JX NIPPON OIL & ENERGY CORPORATION
(32) Priority Date	:22/12/2011	Address of Applicant :6 3 Otemachi 2 chome Chiyoda ku
(33) Name of priority country	:Japan	Tokyo 1008162 Japan
(86) International Application No	:PCT/JP2012/082792	(72)Name of Inventor:
Filing Date	:18/12/2012	1)NISHIZAWA Takeshi
(87) International Publication No	:WO 2013/094603	2)OMARU Atsuo
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date	.NA	
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	.11/1	

# (57) Abstract:

1111213Provided is an organic electrolyte which is capable of improving the initial storage capacity of an organic electrolyte storage battery thereby affecting the possible travel distance of an electric vehicle. The organic electrolyte is characterized by including a compound represented by formula (1) (in formula (1): R R each represent hydrogen a C1 4 straight chain or branched alkyl group that may include a halogen; R represents a C1 4 straight chain or branched alkylene group that may include a halogen; and R representes a substituted or unsubstituted phenyl or cyclohexyl group).

No. of Pages: 85 No. of Claims: 12

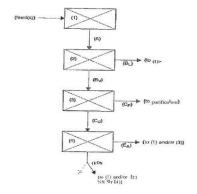
(22) Date of filing of Application: 18/06/2014 (43) Publication Date: 29/01/2016

## (54) Title of the invention: PROCESS FOR THE MANUFACTURE OF ACETIC ACID

(51) International (71)Name of Applicant: :C07C51/235,C07C51/50,C07C53/08 classification 1) EQUISTAR CHEMICALS LP (31) Priority Document No :61/578709 Address of Applicant: 1221 Mckinney Suite 700 (32) Priority Date Lyondellbasell Tower Houston TX 77010 U.S.A. :21/12/2011 2)LYONDELL CHEMICAL TECHNOLOGY L.P. (33) Name of priority :U.S.A. country (72)Name of Inventor: (86) International 1)HALLINAN Noel C. :PCT/US2012/070678 Application No 2)HEARN John D. :19/12/2012 Filing Date 3)FITZPATRICK Michael E. (87) International 4)PATEL Miraj S. :WO 2013/096483 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

#### (57) Abstract:

The phase separation in the decanter of a process for producing acetic acid by carbonylating methanol in the presence of a catalyst under low water high acid conditions is facilitated and expedited by forming a liquid mixture (D) which has a water content of at most 10% by weight based on the weight of the liquid mixture an acetic acid content of at least 10% by weight based on the weight of the liquid mixture and a weight ratio of methyl iodide to methyl acetate of at least 1.5: 1 and partitioning the liquid mixture at a temperature of from 0 to 35°C.



No. of Pages: 36 No. of Claims: 19

(22) Date of filing of Application :18/06/2014 (43) Publication Date : 29/01/2016

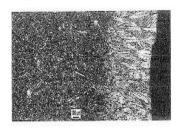
## (54) Title of the invention: POLYCRYSTALLINE SILICON ROD AND METHOD FOR PRODUCING POLYSILICON

:C01B33/035	(71)Name of Applicant :
:10 2011 089 449.7	1)WACKER CHEMIE AG
:21/12/2011	Address of Applicant :Hanns Seidel Platz 4 81737 M¼nchen
:Germany	Germany
:PCT/EP2012/075208	(72)Name of Inventor:
:12/12/2012	1)SOFIN Mikhail
:WO 2013/092337	2)DORNBERGER Erich
:NA	3)PECH Reiner
:NA	
:NA	
	:10 2011 089 449.7 :21/12/2011 :Germany :PCT/EP2012/075208 :12/12/2012 :WO 2013/092337 :NA

#### (57) Abstract:

2The invention relates to a polycrystalline silicon rod comprising an outer layer made of polycrystalline silicon having a thickness of 0.01 to 20 mm. Said outer layer contains crystallites having an average size of more than 20 μm. The invention further relates to a method for producing polysilicon by introducing a reaction gas containing a component that contains silicon and containing hydrogen into a reactor whereby polycrystalline silicon is precipitated in the form of rods characterized in that a temperature of the rods in a second step of the precipitation is increased by at least 50°C relative to a first step a concentration of the component containing silicon in the reaction gas being 5 mol% or less and a supply of the component containing silicon being 0.25 mol per 1 m of rod surface or less in the second step of the precipitation. The invention further relates to a method for producing polysilicon by introducing a reaction gas containing a component that contains silicon and containing hydrogen into a reactor whereby polycrystalline silicon is precipitated in the form of rods characterized in that after the end of the precipitation a contamination free gas flows around the rod shaped polycrystalline silicon is covered with a bag made of plastic and removed from the reactor.





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

(21) Application No.4593/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :18/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: METHOD FOR PRODUCING PENTAFLUOROSULFANYL BENZOIC ACID

<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> </ul>	:04/12/2012 :WO 2013/084860 :NA :NA	(71)Name of Applicant:  1)UBE INDUSTRIES LTD.  Address of Applicant: 1978 96 Oaza Kogushi Ube shi Yamaguchi 7558633 Japan (72)Name of Inventor:  1)SAITO Norimichi 2)CHIKA Junichi
Filing Date	:NA	

#### (57) Abstract:

Provided is a simple safe and industrially suitable method for producing a pentafluorosulfanyl benzoic acid which comprises: (A) a preparation step wherein a compound represented by general formula (1) is prepared; (B1) a step wherein a compound represented by general formula (2a) is produced by reacting the compound represented by general formula (1) with a carboxylic acid or the like in the presence of an acid other than carboxylic acids; and (B2) a step wherein a pentafluorosulfanyl benzoic acid represented by general formula (2) is obtained from the compound represented by general formula (2a). (In the formulae X represents a halogen atom; n represents an integer satisfying 1 = n = 3; and a hydrogen atom on the benzene ring may be substituted by a group containing an oxygen atom a group containing a nitrogen atom or a halogen atom.)

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

(21) Application No.4594/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :18/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: BATCH ANNEALING FURNACE FOR COILS

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (62) Divisional to Application Number Filing Date (C21D9/673 (2011289145 (28/12/2011 (28/12/2012 (27/12/2012 (27/12/2012 (27/12/2012 (28/12/2012 (27/12/2012 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/100191 (2013/	(71)Name of Applicant:  1)JFE STEEL CORPORATION  Address of Applicant: 2 3 Uchisaiwai cho 2 chome Chiyoda ku Tokyo 1000011 Japan  (72)Name of Inventor:  1)NARA Seiko  2)ISHII Toshio  3)KOSEKI Shinji  4)TAKEBAYASHI Katsuhiro  5)NAKATA Naoki  6)FUKUDA Hiroyuki  7)SHIDARA Eitaro  8)WADA Takashi
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#### (57) Abstract:

This batch annealing furnace has: a coil support base that supports coils in a state in which the end faces of the coils are placed thereon and the axes of the coils are upright; an inner cover that covers the entirety of the coils placed on the coil support base; and a cooling tube that hangs from the upper part of the inner cover in a cavity in the inner peripheral portion of the coils placed on the coil support base said cooling tube cooling the coils from the inner surface side by the circulation of a refrigerant in the cooling tube.

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

(21) Application No.4595/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application: 18/06/2014 (43) Publication Date: 29/01/2016

## (54) Title of the invention: THERMOELECTRIC 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></ul>	:H01L35/30,F24J2/42,H02N11/00 :2011283769 :26/12/2011 :Japan	(71)Name of Applicant:  1)NAKANUMA Tadashi Address of Applicant: 2869 Kosaji Koka cho Koka shi Shiga 5203402 Japan
(86) International Application No Filing Date	:PCT/JP2012/083650 :26/12/2012	(72)Name of Inventor : 1)NAKANUMA Tadashi
(87) International Publication No	:WO 2013/099943	
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

This thermoelectric generator is provided with a heat conducting body (1) which can exchange heat with the environment according to temperature changes in the environment a heat storing body (2) and a thermoelectric conversion unit (3) and thermal resistance body (6) arranged between the heat conducting body and the heat storing body. One end (6a) of the thermal resistance body and one end (3a) of the thermoelectric conversion unit are in contact with each other the other end (6b) of the thermal resistance body is in contact with the heat conducting body and the other end (3b) of the thermoelectric conversion unit is in contact with the heat storing body (2) and the surface of the heat storing body (2) is covered by a covering layer (4) having a certain heat insulation properties. The temperature difference generated between the heat conducting body and the heat storing body is utilized to extract electric energy from the thermoelectric conversion unit.

No. of Pages: 155 No. of Claims: 15

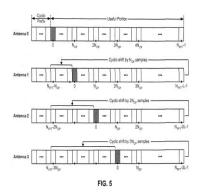
(22) Date of filing of Application :18/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention : SYSTEMS AND METHODS FOR COMMUNICATION OVER A PLURALITY OF FREQUENCIES STREAMS USING CYCLIC SHIFT DELAYS

<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</li> <li>Filing Date</li> </ul>	:61/566583 :02/12/2011 :U.S.A.	(71)Name of Applicant:  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)BAIK Eugene J.  2)VERMANI Sameer  3)YANG Lin  4)SAMBATH Homonth
. ,		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Methods and devices for communicating in a communication system are described herein. One aspect provides a method of communicating over one or more space time streams. The method includes transmitting a first stream with a bandwidth of 2 MHz or less. The method further includes transmitting when there are at least two streams a second stream with a cyclic shift delay relative to the first stream equal to half a period. The method further includes transmitting when there are at least three streams a third stream with a cyclic shift delay relative to one of the first and second stream equal to a quarter of the period. The method further includes transmitting when there are at least four streams a fourth stream with a cyclic shift delay relative to the other of the first and second stream equal to a quarter of the period.



No. of Pages: 82 No. of Claims: 40

(22) Date of filing of Application :16/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: ORGANIC AMINE DECARBONIZATION SOLUTIONS

#### (57) Abstract:

Disclosed is an organic amine decarbonization solution, comprising: i) one or more organic amines serving as a carbon dioxide absorbent; and ii) an antioxidant, which comprises: a) one or more organometallic complexes of Formula [Mx(L)y]An, wherein each M independently represents a central atom selected from the group consisting of transition metals, Group IVA metals and Group VA metals at a lower valence state; each L independently represents a bidentate or multidentate organic ligand with each ligating atom thereof being independently one of O, S, N and P; each A independently represents an uncoordinated counter-ion suitable for forming an outer sphere of a complex; x is 1, 2 or 3; y is 1, 2, 3, 4, 5, 6, 7 or 8; and n is 0, 1, 2, 3 or 4; and b) optionally one or more metal chelating agents. Oxidative degradation of the organic amine(s) in the decarbonization solution of the present invention can be mitigated effectively and a wide range of organic amines can be used in the decarbonization solution of the present invention.

No. of Pages: 27 No. of Claims: 14

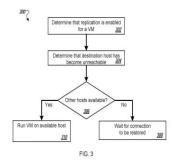
(22) Date of filing of Application :20/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: PROTECTING VIRTUAL MACHINES FROM NETWORK FAILURES

(51) International classification	:G06F	(71)Name of Applicant :
(31) Priority Document No	:NA	1)VMWARE INC.
(32) Priority Date	:NA	Address of Applicant :3401 Hillview Avenue, Palo Alto,
(33) Name of priority country	:NA	California - 94304, United States of America U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SANTHOSH MARAKALA
(87) International Publication No	: NA	2)ROHIT RAJANNA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
	<u> </u>	

#### (57) Abstract:

Systems and techniques are described for protecting virtual machines from network failures. A described technique includes running a virtual machine on a first source host; replicating, over a first network, data related to the virtual machine to a destination host; determining that the destination host has become unreachable, over the first network, from the first source host; determining whether a second source host can reach the destination host over the first network or a second network; determining whether the virtual machine can run on the second source host; and running the virtual machine on the second source host. [Fig. 3]



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

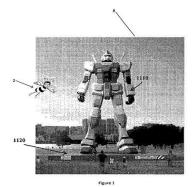
(22) Date of filing of Application:13/06/2014 (43) Publication Date: 29/01/2016

## (54) Title of the invention: THREE DIMENSIONAL VIRTUAL AND AUGMENTED REALITY DISPLAY SYSTEM

(51) International classification	:G06T15/00	(71)Name of Applicant:
(31) Priority Document No	:61/563403	1)MAGIC LEAP INC.
(32) Priority Date	:23/11/2011	Address of Applicant :3107 Stirling Road Suite 102 Fort
(33) Name of priority country	:U.S.A.	Lauderdale FL 33312 U.S.A.
(86) International Application No	:PCT/US2012/000560	(72)Name of Inventor:
Filing Date	:23/11/2012	1)MACNAMARA John Graham
(87) International Publication No	:WO 2013/077895	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A system may comprise a selectively transparent projection device for projecting an image toward an eye of a viewer from a projection device position in space relative to the eye of the viewer the projection device being capable of assuming a substantially transparent state when no image is projected; an occlusion mask device coupled to the projection device and configured to selectively block light traveling toward the eye from one or more positions opposite of the projection device from the eye of the viewer in an occluding pattern correlated with the image projected by the projection device; and a zone plate diffraction patterning device interposed between the eye of the viewer and the projection device and configured to cause light from the projection device to pass through a diffraction pattern having a selectable geometry as it travels to the eye.



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

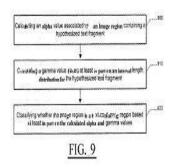
(22) Date of filing of Application :19/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention : METHODS AND APPARATUSES FOR FACILITATING DETECTION OF TEXT WITHIN AN IMAGE

<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 Filing Date</li> </ul>	:G06F :13/300972 :21/11/2011 :U.S.A. :PCT/FI2012/050961 :08/10/2012 :WO 2013/076356 :NA :NA :NA	(71)Name of Applicant:  1)NOKIA CORPORATION Address of Applicant: Keilalahdentie 4 FI 02150 Espoo Finland (72)Name of Inventor: 1)PARAMESWARAN Vasudev 2)TSAI Shang Hsuan 3)GRZESZCZUK Radek
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#### (57) Abstract:

Methods and apparatuses are provided for facilitating detection of text within an image. A method may include calculating an alpha value associated with an image region containing a hypothesized text fragment. The alpha value may be defined as a function of a curved character length distribution a character width distribution and an inter character spacing distribution for the hypothesized text fragment. The method may additionally include calculating a gamma value based at least in part on an interval length distribution determined for the hypothesized text fragment. The method may also include classifying whether the image region is a text containing region based at least in part on the calculated alpha and gamma values. Corresponding apparatuses are also provided.



No. of Pages: 47 No. of Claims: 38

(12) FATENT AFFLICATION FUBLICATION

(22) Date of filing of Application: 18/06/2014

(21) Application No.2952/CHE/2014 A

(43) Publication Date: 29/01/2016

## (54) Title of the invention: ADAKKA POLIYAN

3 (71)Name of Applicant: 1)PRAKASAN. T Address of Applicant: NAMBIARY HOUSE, P.O. MAYANAD, CALICUT DISTRICT, PIN - 637 008 Kerala India (72)Name of Inventor: 1)PRAKASAN. T
I

#### (57) Abstract:

(19) INDIA

This machine is for removing the hush of dry arecanuts in an easy method. The machine has two axies which are arranged in parallel in a rectangular frame stands on four legs. In one axie there are number of curved hookshaped knifes in rowsall facing one direction and in other axie there are brushes with long bristles projecting outwards. Using gear wheels the axies are arranged in such a way that when the axie with curved knife is rotated in one direction, the axie with brush rotates in the opposite direction. A bar with curved hook knifes in a row is arranged in one side of the axie with curved knifes, in parallel and with spring action. When dry arecant is placed between the axie with curved knife and the bar with curved knife, and rotated in the direction of curvature of knifes, the husks of the arecanut are hooked in the knifes of the rotating axie. The hooked husks are removed from the axie by the bristles of the brush rotating in the opposite direction placed near the axie.

No. of Pages: 6 No. of Claims: 5

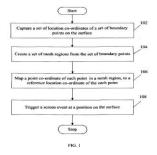
(22) Date of filing of Application :23/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention : METHODS, SYSTEMS AND COMPUTER-READABLE MEDIA FOR CONVERTING A SURFACE TO A TOUCH SERFACE

	COOR	
(51) International classification	:G08B	(71)Name of Applicant:
(31) Priority Document No	:NA	1)INFOSYS LIMITED
(32) Priority Date	:NA	Address of Applicant :IP CELL, PLOT NO 44,
(33) Name of priority country	:NA	ELECTRONICS CITY, HOSUR ROAD, BANGALORE 560 100
(86) International Application No	:NA	Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)V.V. RAVI PRASAD
(61) Patent of Addition to Application Number	:NA	2)JAGAN JOGUPARTHI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

ABSTRACT The present invention provides a method and system for converting a surface into a touch surface. In accordance with a disclosed embodiment, the system shall include a vision engine, configured to capture a set of location co-ordinates of a set of boundary points on the surface. The system shall further include a drawing interface, configured to create a set of mesh regions on the surface; a hash table configured to store; a point co-ordinate of each point of a mesh region; and a reference location co-ordinate of the each point. Further the system shall include an interpretation engine, configured to analyze a position of a user object on the surface and trigger a screen event on the position based on predetermined criteria. REF FIG: 1



No. of Pages: 23 No. of Claims: 27

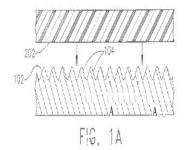
(22) Date of filing of Application :17/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: METHOD OF APPLYING SURFACE RIBLETS TO AN AERODYNAMIC SURFACE

(31) Priority Document No (32) Priority Date (33) Name of priority country (33) Name of priority country (36) International Application No Filing Date (87) International Publication No Number Filing Date (62) Divisional to Application Number Filing Date (31) Priority Document No (32) Priority Date (33) Name of priority country (34) U.S.A. (35) Name of Inventor: (37) Name of Inventor: (38) International Application No (39) Priority Date (30) Priority Date (30) Priority Date (30) Priority Date (31) GENERAL ELECTRIC COMPANY (Address of Applicant: 1 River Road Schenectady NY 12345 U.S.A. (72) Name of Inventor: (73) SHIM Dong Jin (73) SHIM Dong Jin (74) Priority Date (75) Name of Inventor: (76) Priority Date (77) Name of Inventor: (78) Name of Inventor: (79) Name of Inventor: (78) Name of Inventor: (79) Name of Inventor: (79) Name of Inventor: (79) Name of Inventor: (79) Name of Inventor: (70) Name of Inventor: (72) Name of Inventor: (72) Name of Inventor: (72) Name of Inventor: (73) SHIM Dong Jin		<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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:09/12/2011 :U.S.A. :PCT/US2012/064564 :10/11/2012 :WO 2013/085671 :NA :NA	Address of Applicant: 1 River Road Schenectady NY 12345 U.S.A. (72)Name of Inventor: 1)KRAY Nicholas Joseph 2)GEMEINHARDT Gregory Carl	
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### (57) Abstract:

A method for applying texture to an aerodynamic surface (402) is provided. A master plate (100) is provided having a textured surface. A first material (200) is then applied to that surface and cured forming a caul sheet with a negative impression of the master plate textured surface. A surface to which a texture is to be applied is then provided; this may be an aerodynamic surface. Another material (300) different from the first is then applied to the aerodynamic surface and the caul sheet is placed on top. The second material is cured and the caul sheet is removed. The second material is adhered to the aerodynamic surface and has a surface that is substantially a negative impression of the caul sheet textured surface and substantially similar to the master plate textured surface.



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

(22) Date of filing of Application :19/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: METHOD AND SYSTEM FOR IMPACT PRESSURE GENERATION

(51) International :E21B28/00,E21B43/00,E21B43/16

(31) Priority Document No :PA 2011 70725 (32) Priority Date :19/12/2011 (33) Name of priority country :Denmark

(86) International Application :PCT/EP2012/076145

No :19/12/2012

Filing Date

(87) International Publication :WO 2013/092710

(61) Patent of Addition to
Application Number

:NA

Application Number :NA
Filing Date :NA
(62) Divisional to Application

(62) Divisional to Application
Number :NA
Filing Date

(71)Name of Applicant:

1)IMPACT TECHNOLOGY SYSTEMS AS

Address of Applicant :Strandveien 35 N 1366 Lysaker Norway

(72)Name of Inventor:
1)PAULSEN Jim Viktor

### (57) Abstract:

A method is described for the recovery of hydrocarbon from a reservoir. The method comprises arranging a chamber in fluid communication with the reservoir via at least one conduit and having the chamber comprising first and second wall parts movable relative to each other. An impact pressure is provided in the fluid to propagate to the reservoir via the conduit where the impact pressure is generated by a collision process between an object arranged outside of the fluid and the first wall parts for the first wall part to impact on the fluid in the chamber. Further the chamber is arranged to avoid a build up of gas inclusions where the first wall part impacts on the fluid. This may be obtained by arranging the conduit in or adjacent to the zone where the gas inclusions naturally gather by influence of the gravitational forces or by placing the first wall part impacting on the fluid away from this zone. The invention further relates to a system for the generation of impact pressure as mentioned above.

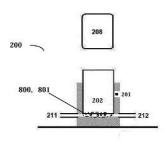


Fig. 8A

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

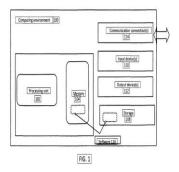
(22) Date of filing of Application :23/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention : SYSTEM AND METHOD FOR ENHANCING USABILITY OF APPLICATIONS RUNNING ON DEVICES THAT SECURELY STORE DATA

(51) International classification	:H04W	(71)Name of Applicant:
(31) Priority Document No	:NA	1)INFOSYS LIMITED
(32) Priority Date	:NA	Address of Applicant :IP CELL, PLOT NO 44,
(33) Name of priority country	:NA	ELECTRONICS CITY, HOSUR ROAD, BANGALORE 560 100
(86) International Application No	:NA	Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)VENKAT KUMAR SIVARAMAMURTHY
(61) Patent of Addition to Application Number	:NA	2)PUNEET GUPTA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

ABSTRACT: The technique relates to a system and method for enhancing usability of devices that securely store data. The method involves receiving a plurality of client related context information from a client on a server, in response to invocation of a client application on a device then obtaining data and a plurality of data related context information from the server thereafter determining decision on data storage request on the device based on the client related context information and the data related context information and finally communicating the data and the decision to the client. REF FIG: 1



No. of Pages: 17 No. of Claims: 15

(21) Application No.4454/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :16/06/2014 (43) Publication Date : 29/01/2016

#### (54) Title of the invention: EMERGENCY BEARING MECHANISM

(51) International classification :F16C19/52,B61B12/00,F16C19/55

(31) Priority Document No :A 1001/2012 (32) Priority Date :13/09/2012

(33) Name of priority country: Austria

(86) International Application :PCT/AT2013/000145

Filing Date :09/09/2013

(87) International Publication :WO 2014/040096

(61) Patent of Addition to :NA

Application Number :NA Filing Date :NA

(62) Divisional to Application
Number

Filing Date
:NA

(71)Name of Applicant:

1)INNOVA PATENT GMBH

Address of Applicant :Rickenbacherstrae 8 10 A 6922 Wolfurt

Austria

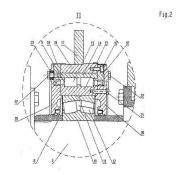
(72)Name of Inventor:

1)PRIMUS G¹/₄nther

2)SCHMIDINGER Klaus

#### (57) Abstract:

In a bearing unit (3) of a cable sheave (1) of a cableway system the cable sheave (1) is arranged on a shaft (2) which is mounted in bearings (8 9) in a bearing framework (4). An inner ring (10) or outer ring (11) of at least a first bearing (8) is connected to the shaft (2). The outer ring (11) or inner ring (10) of said first bearing is connected to an inner ring (13) or outer ring (14) of a second bearing (9) and is mounted in the bearing framework (4) via said second bearing (9).



No. of Pages: 14 No. of Claims: 16

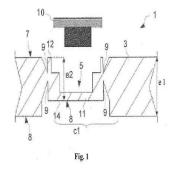
(22) Date of filing of Application :16/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: CHIP CARD AND ASSOCIATED MANUFACTURING 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:24/12/2012 :WO 2013/093116 :NA :NA	(71)Name of Applicant:  1)GEMALTO S.A.  Address of Applicant:Intellectual Property Department 6 rue de la Verrerie F 92190 Meudon France (72)Name of Inventor:  1)OTTOBON Stphane 2)ODDOU Laurent 3)FROGER Alexis 4)RENOUARD Jremy
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The embodiments of this invention relate to a smart card (1) comprising the following: an integrated circuit chip (10) a primary card body (3) with a first form factor comprising a slot (5) on the front (7) designed to accommodate the integrated circuit chip (10) wherein the said primary card body (3) also comprises a detachable contour (cl) peripheral to the slot (5) which represents another form factor and defines a secondary card body (11) characterised in that the primary card body (3) has a first thickness (el) between the front (7) and a back (8) and in that the secondary card body (11) has a second thickness (e2) between a front (7 12) and a back (14) which is smaller than the first thickness (el).



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

(21) Application No.4456/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application: 16/06/2014 (43) Publication Date: 29/01/2016

# (54) Title of the invention: CARBON FIBER FABRIC AND PROCESS FOR ITS MANUFACTURE

(51) International :A41D31/02,B32B5/02,B32B27/30 classification

(31) Priority Document No :MI2012A000244 (32) Priority Date :20/02/2012

(33) Name of priority country :Italy

(86) International Application :PCT/IB2013/051112

No

:11/02/2013

Filing Date (87) International Publication

:WO 2013/124759 No

(61) Patent of Addition to **Application Number** 

:NA Filing Date (62) Divisional to Application :NA

Number :NA Filing Date

(71) Name of Applicant:

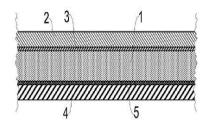
1)AUTOMOBILI LAMBORGHINI S.P.A.

Address of Applicant : Via Modena 12 I 40019 SantAgata

Bolognese BO Italy (72)Name of Inventor: 1)MASINI Attilio

(57) Abstract:

Woven carbon fiber in which a polyurethane film or acrylic (4) is joined to at least one side of this fabric (1). The present invention also relates to a process for the manufacture of such fabric as well as a product of clothing or leather goods comprising this fabric.



No. of Pages: 9 No. of Claims: 12

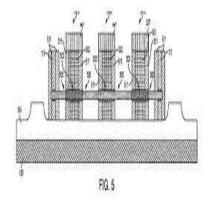
(22) Date of filing of Application :20/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: NANOWIRE FIELD EFFECT TRANSISTORS

(51) International classification	:H01L21/336 :13/343799	(71)Name of Applicant: 1)INTERNATIONAL BUSINESS MACHINES
(31) Priority Document No (32) Priority Date	:05/01/2012	CORPORATIONAL BUSINESS MACHINES
(32) Name of priority country	:U.S.A.	Address of Applicant :New Orchard Road Armonk New York
(86) International Application No	:PCT/US2012/069458	
Filing Date	:13/12/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2013/103492	1)BANGSARUNTIP Sarunya
(61) Patent of Addition to Application	:NA	2)COHEN Guy
Number	:NA	3)MAJUMDAR Amlan
Filing Date	.IVA	4)SLEIGHT Jeffrey W.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method for forming a nanowire field effect transistor (FET) device includes forming a nanowire over a substrate forming a liner material around a portion of the nanowire forming a capping layer on the liner material forming a first spacer adjacent to sidewalls of the capping layer and around portions of the nanowire forming a hardmask layer on the capping layer and the first spacer removing an exposed portion of the nanowire to form a first cavity partially defined by the gate material epitaxially growing a semiconductor material on an exposed cross section of the nanowire in the first cavity removing the hardmask layer and the capping layer forming a second capping layer around the semiconductor material epitaxially grown in the first cavity to define a channel region and forming a source region and a drain region contacting the channel region.



No. of Pages: 25 No. of Claims: 23

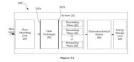
(22) Date of filing of Application :16/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: SYSTEMS AND METHODS FOR GENERATING ELECTRICAL ENERGY FROM HEAT ENERGY •

(51) International classification	:F28D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)LG ELECTRONICS INC.
(32) Priority Date	:NA	Address of Applicant :20 Yeouido-dong, Yeongdeungpo-gu,
(33) Name of priority country	:NA	Seoul, Korea. Republic of Korea
(86) Int rnational Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Chetan Rajashekhar Pachapur
(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:

Embodiments of the present disclosure relate to generation of electrical energy from heat energy. The system comprises at least one heat absorbing unit, a heat exchanger, a plurality of resonating plates and at least one electromechanical sensor. The heat absorbing unit is configured to absorb heat energy dissipated by a heat dissipating unit. The heat exchanger has first end and second end. The heat exchanger is configured to generate travelling waves upon receipt of heat energy by first end from at least one heat absorbing unit. The plurality of resonating plates is configured to receive travelling waves from heat exchanger. The travelling waves produce vibration in plurality of resonating plates. The electromechanical sensor is coupled to plurality of resonating plates. The vibration of the plurality of resonating plates actuates at least one electromechanical sensor to generate electrical energy. The system is placed proximal to heat dissipating unit. Figure 2A



No. of Pages: 23 No. of Claims: 19

(21) Application No.2922/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :16/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: METHOD OF PURIFYING ANTI-IDIOTYPIC ANTIBODIES

(51) International classification	:C07K	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Dr. Reddy™s Laboratories Limited
(32) Priority Date	:NA	Address of Applicant :8-2-337, Road No. 3, Banjara Hills,
(33) Name of priority country	:NA	Hyderabad, Telangana, India-500034 Andhra Pradesh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Rajesh Medisetty
(87) International Publication No	: NA	2)Gowravaram Manjeera
(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 purifying anti-idiotypic antibodies using a series of purification via chromatographic columns, wherein the columns comprise targeted antibody coupled affigel hydrazide column; human IgG coupled affigel hydrazide column; and human IgG coupled NHS activated sepharose. Further, the anti-idiotypic antibodies obtained from the said method contains higher specificity and negligible cross reactivity.

No. of Pages: 14 No. of Claims: 4

(22) Date of filing of Application :23/06/2014 (43) Publication Date: 29/01/2016

## (54) Title of the invention: SELF LOCKING BELT RETRACTOR WITH SWITCH OFF ACTION ON ITS BELT STRAP SENSITIVE CONTROL SYSTEM THAT IS EFFECTIVE IN THE WINDING DIRECTION OF THE BELT SHAFT

(51) International :B60R22/34,B60R22/38,B60R22/41

classification

(31) Priority Document No :10 2011 057 066.7 (32) Priority Date :27/12/2011 (33) Name of priority country: Germany

(86) International Application :PCT/EP2012/075958

No :18/12/2012 Filing Date

(87) International Publication :WO 2013/098124

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant:

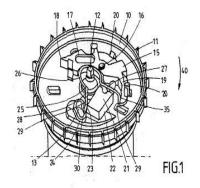
1)AUTOLIV DEVELOPMENT AB

Address of Applicant: Wallentinsvgen 22 S 44783 Vargarda

(72)Name of Inventor: 1)HEINE Volkmar

#### (57) Abstract:

A self locking belt retractor for safety belts comprises a belt shaft and a belt strap sensitive control mechanism which has a control disk (10) coupled to the belt shaft for controlling a locking element the control disk (10) carrying an inertia element (15) the one blocking arm (17) of which when triggered pivots radially until it engages with a stationary toothed section owing to the rotational acceleration acting upon the control disk (10). A torsion spring (25) comprising two spring legs (27 28) that are spaced apart from each other in the peripheral direction is mounted in a mounting point for the belt shaft and/or the control disk (10) such as to be rotatable between a position of rest against the inertia element (15) and a position of rest against a follower (21) that projects upwards from the plane of the control disk (10). The invention is characterized in that the two spring legs (27 28) of the torsion spring (25) enclose the follower (21) between them and in that the follower (21) forms stop faces (22 23) for the spring legs (27 28) for carrying the torsion spring (25) along when the control disk (10) is rotated in the belt retraction direction (arrow 40) or in belt withdrawal direction (arrow 41) one of the spring legs (27) projecting when the control disk (10) is rotated in the belt retraction direction (arrow 40) into the pivot path covered by the pivoting arm (19) of the inertia element (15) when the pivoting arm is triggered which pivoting arm is opposite the blocking arm (17) and preventing in this blocking position of the torsion spring (25) the inertia element (15) from pivoting and releasing owing to a rotation of the torsion spring (25) relative to the control disk (10) into a release position of the torsion spring (25) the inertia element (15) when the control disk (10) is rotated in the belt withdrawal direction (arrow 41).



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

(21) Application No.2936/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :17/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: TOPICAL OPHTHALMIC COMPOSITIONS

(51) International classification :A61 (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA Filing Date :NA	(71)Name of Applicant:  1)AUROBINDO PHARMA LTD  Address of Applicant: AUROBINDO PHARMA LTD, THE WATER MARK BUILDING, PLOT NO. 11, SURVEY NO. 9, KONDAPUR, HITECH CITY, HYDERABAD - 500 084 Andhra Pradesh India (72)Name of Inventor:  1)GANNIMITTA ARVIND 2)KARAJGI JAYANT 3)WANKHADE JAYESH 4)JAIN SACHIN 5)MEENAKSHISUNDERAM SHIVAKUMARAN
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#### (57) Abstract:

The present invention relates to a pharmaceutical ophthalmic suspensi³n comprising Nepafenac. The present invention firther relates to process for the preparation of the suspensi³n. The present invention firther relates to method for the treatment of pain and inflammation associated with cataract surgery using topical ophthalmic compositions of nepafenac.

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

(22) Date of filing of Application :17/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: ARMATURE COIL ARRANGEMENT FOR STARTER MOTOR

(51) International classification	:H02K	(71)Name of Applicant:
(31) Priority Document No	:NA	1)COMSTAR AUTOMOTIVE TECHNOLOGIES PVT
(32) Priority Date	:NA	LTD
(33) Name of priority country	:NA	Address of Applicant :KEELAKARANAI VILLAGE,
(86) International Application No	:NA	MALROSAPURAM POST, MARAMALAINAGAR,
Filing Date	:NA	CHENGALPATTU - 603 204, KANCHEEPURAM Tamil Nadu
(87) International Publication No	: NA	India
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)VENKATESAN, VENKATAKRISHNAN
(62) Divisional to Application Number	:NA	2)CHIDAMBARAM, GOLPALAKRISHNAN
Filing Date	:NA	

#### (57) Abstract:

ABSTRACT An effective armature coil arrangement for starter motor, through a flattened armature coil set up which seats in the coil slot of the commutator without any sort of high load applied on it and by this the cycle time of producing armature assembly reduced to some extent. Moreover there is no disturbance to the separator which is present in the commutator assembly, and the shape of the armature assembly remains the same even after the insertion of the armature coils. Consumption of current density taken by the electrode required to press the armature coil in the slot also reduced to the maximum level. The temperature peak and the copper softness happens at time of pressing also reduced to an extent.

No. of Pages: 18 No. of Claims: 3

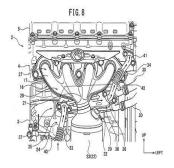
(22) Date of filing of Application :17/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: EXHAUST GAS RECIRCULATION SYSTEM FOR VEHICULAR ENGINES

<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>	:F02M :2013- 134822 :27/06/2013 :Japan :NA :NA	(71)Name of Applicant:  1)SUZUKI MOTOR CORPORATION  Address of Applicant: 300, Takatsuka-cho, Minami-ku,  Hamamatsu-shi, Shizuoka-Ken, Japan Japan  (72)Name of Inventor:  1)Hiroki ABE
(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:

PLEASE SEE THE SPECIFICATION ATTACHED.



No. of Pages: 42 No. of Claims: 6

(22) Date of filing of Application :20/06/2014

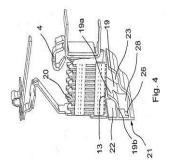
(43) Publication Date: 29/01/2016

# (54) Title of the invention: EXTINGUISHING CHAMBER FOR AN ELECTRIC PROTECTION APPARATUS AND ELECTRIC PROTECTION APPARATUS COMPRISING ONE SUCH CHAMBER

<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>	:13 56107 :26/06/2013 :France :NA :NA	Rueil Malmaison, France France (72)Name of Inventor: 1)RAMIREZ, Jean-Claude 2)VALLIER, Herv
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)HAGE, Beno®t 4)RONDOT, Lo¯c
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention relates to an arc extinguishing chamber for an electric protection apparatus comprising an arc formation chamber containing a stationary contact and a movable contact which, at the moment they separate, form an arc between them, said arc formation chamber communicating with the inlet of a second chamber called arc extinguishing chamber, at least one separating wall placed in a volume situated downstream from said arc extinguishing chamber, said wall extending in the direction of the gas flow so as to perform partitioning of the above-mentioned volume in the direction of this flow of the gases, and at least one exhaust outlet enabling the quenching gases to be removed to the outside of the apparatus. This chamber is characterized in that the above-mentioned separating wall(s) (19) extend(s) up to the panel (21) of the apparatus comprising the above-mentioned exhaust outlet(s) (26) so as to perform partitioning in the direction of the flow to these outlets (26) and to thereby form at least a first removal duct (22) and a second removal duct (23), said ducts (22,23) each being associated with an exhaust outlet, and enabling a substantially complete separation to be achieved between a first flow called main flow and a second flow called secondary flow, said flows being emitted at the outlet of the arc extinguishing chamber and respectively flowing in the first duct (22) and the second duct (23).FIG.4



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

(22) Date of filing of Application :23/06/2014 (43) Publication Date: 29/01/2016

## (54) Title of the invention: MODIFICATION OF LAYERED DOUBLE HYDROXIDES

(51) International classification :C01F7/00,C09C1/40,C08K3/00 (71)Name of Applicant :

(31) Priority Document No :1122163.7 (32) Priority Date :22/12/2011

(33) Name of priority country :U.K.

(86) International Application No: PCT/IB2012/003073

Filing Date :18/12/2012 (87) International Publication No: WO 2013/117957

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application

:NA Number :NA Filing Date

1)SCG CHEMICALS CO. LTD.

Address of Applicant : Building 3 4th Floor 1 Siam Cement

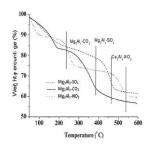
Road Bangsue 10800 Bangkok Thailand

(72) Name of Inventor: 1)OHARE Dermot

2)WANG Qiang

### (57) Abstract:

z+1 xy+x2q+n q/n2The present invention relates to a process A process for modifying a layered double hydroxide (LDH) the process comprising a providing a material comprising a layered double hydroxide of formula: [M M (OH)](X).bH0 wherein M and M are metal cations z is 1 or 2 x is 0.1 to 1 b is 0 to 5 y is 3 or 4 X is an anion n is 1 to 3 and q is determined by x y and z b. optionally washing the material at least once with a mixture of water and a mixing solvent miscible with water and c. washing the material obtained in step a or b at least once with at least one first solvent the first solvent being miscible with water and having a solvent polarity P in the range of 3.8 to 9 to obtain a modified layered double hydroxide.



No. of Pages: 42 No. of Claims: 20

(22) Date of filing of Application :14/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention : SINGLE AND MULTI-NODE GEO-LOCATION TRACKING WITH EVENT-BASED SYSTEM SESSION EXPIRATION

(51) International classification	:H04W	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Rohit Ranganathan
(32) Priority Date	:NA	Address of Applicant :B2-G2, Mye Villas Township, FCI
(33) Name of priority country	:NA	Godown Road, Nacharam IDA, Mallapur, Hyderabad-500076,
(86) International Application No	:NA	Andhra-Pradesh, India and Andhra Pradesh India
Filing Date	:NA	2)Srinivas Bhagwatula
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)Rohit Ranganathan
Filing Date	:NA	2)Srinivas Bhagwatula
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A system and method for geo-location tracking is provided. A server receives a request from a first electronic device for establishing a tracking session with a second electronic device. The request includes a set of attributes indicative of boundary conditions. The server generates authorization data in response to the request and provides the authorization data to the second electronic device. The second electronic device, in response to the authorization data, generates and provides an acknowledgement. The server establishes the tracking session based on the set of attributes and the acknowledgement and provides, to the second electronic device, access to a location of the first electronic device during the tracking session. The server terminates the tracking session based on the set of attributes.

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

(21) Application No.2933/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :16/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: NOVEL CRYSTALLINE FORM OF LEVOMEFOLATE CALCIUM

<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>	:C01B 37/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)Mylan Laboratories Ltd. Address of Applicant:Plot No 564/A/22, Road No 92, Jubilee Hills, Hyderabad 500033, India Andhra Pradesh India (72)Name of Inventor:  1)SETHI, Madhuresh Kumar
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	2)RAWAT, Vijendra Singh 3)BONTALAKOTI, Jaganmohana Rao. 4)VEMULA, Lakshminarayanaq

## (57) Abstract:

The present disclosure relates to crystalline forms of levomefolate calcium). The present disclosure also relates to a process for the preparation of crystalline forms of levomefolate calcium.

No. of Pages: 19 No. of Claims: 9

(21) Application No.2934/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :16/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention : A METHOD OF ENCODING AND DECODING SECURE MESSAGE FOR TRANSMISSION BASED ON KEYLESS ROTATIONAL (CARPET) SHIFT ALGORITHM WITH ABORTED OBJECTS OF AN IMAGE

(51) International classification	:G06T	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Dr. Rupa Chiramdasu
(32) Priority Date	:NA	Address of Applicant :Door No. 8-446, Near S.S.Talent
(33) Name of priority country	:NA	School, Mangalagiri, Guntur Dist, - 522 503 Andhra Pradesh,
(86) International Application No	:NA	India Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Dr. Rupa Chiramdasu
(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 encoding of a secure message for transmission comprising the steps of : performing an encryption using keyless rotational (carpet) shift security algorithm to the the digitized input message for output encrypted ciphertext message; applying steganography to the said encrypted message using aborted objects of the original Image with embedded technique of Penultimate and Least Significant Bit (PLSB) for a resultant stego object; and watermarking of the resultant aborted stego objects.

No. of Pages: 33 No. of Claims: 13

(21) Application No.4712/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :23/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: SPHERICAL EXHAUST PIPE JOINT

:NA

(51) International classification	:F16J15/12,C09K3/10,F01N13/08	(71)Name of Applicant:
(31) Priority Document No	:2012004337	1)OILES CORPORATION
(32) Priority Date	:12/01/2012	Address of Applicant :6 34 Kounan 1 chome Minato ku Tokyo
(33) Name of priority country	:Japan	1080075 Japan
(86) International Application No Filing Date	:PCT/JP2012/008068 :18/12/2012	(72)Name of Inventor: 1)KUROSE Kouhei 2)SATOU Eiji
(87) International Publication No	:WO 2013/105181	3)ASANO Yoshifumi 4)KOIBUCHI Ryota
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number	:NA	

### (57) Abstract:

Filing Date

[Solution] In the spherical exhaust pipe joint (X) a spherical band shaped sealing body (36) is fitted to and fixed on a pipe end (42). The spherical band shaped sealing body (36) abuts against a flange (43) and is seated thereon. A radius enlarging section (47) formed from an Fe Cr stainless steel containing 17.00 19.00 mass% of Cr is fastened on the downstream side exhaust pipe (44) and the inner surface (48) of the concave spherical surface (45) is in sliding contact with a composite surface (40) wherein a surface (38) obtained from a reinforcing material (5) in the outer surface (37) of the outer layer (35) of the spherical band shaped sealing body (36) and a surface (39) obtained from a solid lubricant are intermixed.

No. of Pages: 56 No. of Claims: 8

(21) Application No.4713/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :23/06/2014 (43) Publication Date: 29/01/2016

(54) Title of the invention: VALVE DEVICE

(51) International classification: F16K31/53,F16K1/02,F16K31/04 (71) Name of Applicant:

:27/12/2012

(31) Priority Document No :2011285186 (32) Priority Date :27/12/2011

(33) Name of priority country :Japan

(86) International Application :PCT/JP2012/083875 No

Filing Date

(87) International Publication :WO 2013/100052

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract:

1)TAIHO KOGYO CO. LTD.

Address of Applicant :65 Midorigaoka 3 chome Toyota shi

Aichi 4718502 Japan (72) Name of Inventor: 1)NAKAMURA Katsumi 2)NAKANE Keisuke 3)FUKAYA Takumi

4)SUGIURA Koji

A valve device (1) is provided with a poppet valve (5) which opens and closes a flow path (2). A thread (5d) is formed on the shaft (5a) of the poppet valve and a drive gear (11) is engaged with the thread. The valve device (1) is configured so that the drive gear (11) is rotated by a motor (22) through a pinion (21) to move the poppet valve forward and backward controlling the opening and closing of the flow path. The drive gear (11) is provided so that the drive gear (11) can while being engaged with the pinion (21) move forward and backward in both the axial direction of the pinion and the axial direction of the poppet valve and is normally retained at a predetermined non operating position by a spring (pressing means)(13). As a result of this configuration when the drive gear is further rotated even after the poppet valve is seated on the valve seat and the movement of the poppet valve is stopped the drive gear is moved in the axial direction from the non operating position against the pressing force of the spring (13) to thereby absorb an impact acting on the drive means or the like. The drive means or the like is prevented from being damaged by an impact load.

No. of Pages: 12 No. of Claims: 5

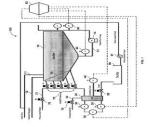
(22) Date of filing of Application :16/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention : A SYSTEM AND METHOD FOR MEASUREMENT OF DENSITY PROFILE OF LIQUIDS INSIDE A SEDIMENTATION TANK

(51) International classification	:g01n	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SCHNEIDER ELECTRIC INDUSTRIES SAS
(32) Priority Date	:NA	Address of Applicant :of 35, rue Joseph Monier, F-92500
(33) Name of priority country	:NA	Rueil Malmaison, France France
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Shaikh Badiujzama
(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 measurement of density profile of liquids in a sedimentation tank. According to one aspect, the system comprises a sedimentation tank with different sampling points. A sampling tank is fitted with two pressure transmitters and a level indicator. Temperature sensors are installed on the sampling tank and the sedimentation tank. The sampling tank is connected to the sedimentation tank through each sampling point to sequentially collect liquid samples. A controller is coupled to the pressure transmitters, the level indicator and the temperature sensors to measure density profile of the samples based on measurement of the level and pressure of sample and the temperature difference at each sampling point for determining actual density profile of the liquids inside the sedimentation tank. Thus, the system and method are capable of accurately determining the liquid profile in the sedimentation tank in a cost effective manner.



No. of Pages: 26 No. of Claims: 18

(22) Date of filing of Application: 19/06/2014 (43) Publication Date: 29/01/2016

# (54) Title of the invention : METHOD FOR COMMUNICATION BETWEEN FEMTO ACCESS POINTS AND FEMTO ACCESS POINT

(51) International classification	:H04W	(71)Name of Applicant :
(31) Priority Document No	:NA	1)HUAWEI TECHNOLOGIES INDIA PVT. LTD.
(32) Priority Date	:NA	Address of Applicant :No. 23, Level 3 & 4, Leela Galleria,
(33) Name of priority country	:NA	Airport Road, Bangalore 560 017, India Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)POTHULA, Dharmanandana Reddy
(87) International Publication No	: NA	2)ZHANG, Chi
(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 method for communication between femto APs and a femto AP. The method includes: creating (101), by a first femto AP with a key server (KS), a first tunnel between the first femto AP and the KS, and downloading, by the first femto AP, a key as a first key and an access control list (ACL) from the KS through the first tunnel, wherein the ACL is configured to indicate a data flow access rule between the first femto AP and a second femto AP; encrypting (104), by the first femto AP, first data using the first key to obtain encrypted first data, and sending the encrypted first data to the second femto AP according to the data flow access rule indicated by the ACL, so that the second femto AP decrypts the encrypted first data using a second key, wherein, the second key is the key downloaded by the second femto AP from the KS through a second tunnel that is created between the second femto AP and the KS. (To be published with FIG.1)



No. of Pages: 55 No. of Claims: 28

(22) Date of filing of Application: 19/06/2014 (43) Publication Date: 29/01/2016

# (54) Title of the invention: METHOD AND SYSTEM FOR UPDATING LOG OF A TRANSACTION PROCESSING SYSTEM

(74)	G0.4F	
(51) International classification	:G06F	(71)Name of Applicant:
(31) Priority Document No	:NA	1)HUAWEI TECHNOLOGIES INDIA PVT. LTD.
(32) Priority Date	:NA	Address of Applicant :No. 23, Level 3 & 4, Leela Galleria,
(33) Name of priority country	:NA	Airport Road, Bangalore 560 017, India Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KRISHNA, B V P Vamsi
(87) International Publication No	: NA	2)SREEKANTAIAH, Nirmala
(61) Patent of Addition to Application Number	:NA	3)BANERJEE, Debarun
Filing Date	:NA	4)BEHERA, Mahesh Kumar
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method and a system for updating log of a transaction processing system are provided, where a transaction is operated on one or more table spaces, and there are one or more operations of the transaction on the one or more table spaces. The method includes: generating (S10) a first redo record according to an operation of the transaction on a first table space and a second redo record according to an operation of the transaction on a second table space,; and writing (S11) the first redo record in a first redo log file associated with the first table space, and the second redo record in a second redo log file associated with the second table space and where the first redo log file is associated with the second table space. (To be published with Fig. 1)



FIG. 1

No. of Pages: 45 No. of Claims: 21

(22) Date of filing of Application :23/06/2014

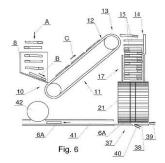
(43) Publication Date: 29/01/2016

# (54) Title of the invention : METHOD AND SYSTEM FOR ARRANGING ROD LIKE ELEMENTS AND SYSTEM FOR RECOVERING TOBACCO FROM WASTE CIGARETTES

<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> </ul>	:A24C5/36,B65G47/24 :PL398256 :28/02/2012 :Poland :PCT/PL2013/050007 :21/02/2013 :WO 2013/129952 :NA :NA	(71)Name of Applicant: 1)INTERNATIONAL TOBACCO MACHINERY POLAND SP. Z O.O. Address of Applicant:Radom Warsztatowa 19a PL 26 600 Radom Poland (72)Name of Inventor: 1)KRAMEK Tomasz Jan 2)CHMIELEWSKI Robert
(61) Patent of Addition to Application	:NA	

#### (57) Abstract:

Method and system for arranging rod like elements in particular cigarettes on a longitudinal aligning conveyor (11) along the direction of movement of the conveyor comprising a container (5) for unordered rod like elements (6) a feeding conveyor (1) a chute (8) and the aligning conveyor (11) wherein the rod like elements (6) fed from the container (5) are transported by the feeding conveyor (1) to the chute (8) the rod like elements (6) being arranged on the feeding conveyor (1) transversally to the direction of movement the bottom of the chute (8) being downwardly slanted at an angle (a) to the horizontal the intake end of the longitudinally grooved aligning conveyor (11) being located downstream the outlet end (8C) of the chute (8) the aligning conveyor (11) being upwardly slanted at an angle () to the horizontal and being adapted to convey the rod like elements (6) from the outlet end (8C) of the chute (8) upward the aligning conveyor (11) with a speed enabling passing the rod like elements (6) from the chute (8) into the grooves (9) of the aligning conveyor (11) along these grooves. System for recovering tobacco from waste cigarettes comprising the system for arranging rod like elements according to the invention.



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

(21) Application No.4706/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :23/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention : ZEOLITE AND METHOD FOR PRODUCING SAME AND CRACKING CATALYST FOR PARAFFIN

(51) International classification :C01B39/48,B01J29/70,C07B61/00

(31) Priority Document No :2011258329 (32) Priority Date :25/11/2011

(33) Name of priority country: Japan

(86) International Application :PCT/JP2012/080308

No Filing Date :1C1/312012

(87) International Publication

(87) International Publication :WO 2013/077404

(61) Patent of Addition to Application Number :NA :NA

Filing Date :NA

(71)Name of Applicant: 1)UniZeo Co. Ltd.

Address of Applicant: The University of Tokyo Entrepreneur Plaza 205 3 1 Hongo 7 chome Bunkyo ku Tokyo 1130033 Japan

2)NATIONAL UNIVERSITY CORPORATION

YOKOHAMA NATIONAL UNIVERSITY

3)THE UNIVERSITY OF TOKYO

(72)Name of Inventor:

1)KUBOTA Yoshihiro

2)INAGAKI Satoshi

3)KOMATSU Raita 4)ITABASHI Keiji

5)OKUBO Tatsuva

6)HIEDA Toyohiko

## (57) Abstract:

The purpose of the present invention is to provide a zeolite which has a high catalytic activity and is rarely deactivated. The zeolite according to the present invention is characterized by having an almost octahedral form having an Si/Al ratio of 5 or more and being of a proton type. The Si/Al ratio is preferably 40 or more. The zeolite is preferably one produced by carrying out the ion exchange of a raw material zeolite which is synthesized without using any structure directing agent to transform the raw material zeolite into an ammonium type zeolite exposing the resultant zeolite to water vapor and then subjecting the exposed zeolite to a treatment with an acid.

No. of Pages: 70 No. of Claims: 15

(22) Date of filing of Application :23/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: METHOD AND APPARATUS FOR POINT OF USE WATER 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 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 Filing Date</li> </ul>	:C02F1/28 :61/576219 :15/12/2011 :U.S.A. :PCT/US2012/069852 :14/12/2012 :WO 2013/090785 :NA :NA	(71)Name of Applicant:  1)THE WATER INITIATIVE LLC Address of Applicant:10 Wall Street 1st Floor Norwalk Connecticut 06850 U.S.A. (72)Name of Inventor: 1)LANGDO Thomas A. 2)FITZGERALD Eugene A. 3)RENJILIAN Richard 4)BROWN Larry R.
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

#### (57) Abstract:

An apparatus for water filtration includes a base a filtration receptacle coupled to the base and a carafe removably coupled to the base. The filtration receptacle includes a water inlet and a water outlet. The filtration receptacle includes a pleated filter positioned between the water inlet and the water outlet. The pleated filter has a pleat face characterized by a surface having a plurality of peaks and a plurality of valleys such that the surface is disposed in a plurality of planes. The filtration receptacle is structurally configured to maintain the pleated filter in an orientation wherein the pleat face of the pleated filter transverses a water flow path extending from the water inlet to the water outlet. The filtration receptacle is further configured to induce water flow along the water flow path by at least one of a receptacle orientation and a receptacle geometry. The carafe includes an inlet coupled to the water outlet in the filtration receptacle.

No. of Pages: 50 No. of Claims: 63

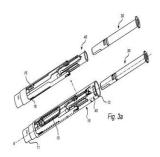
(22) Date of filing of Application :23/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: AUTO INJECTION DEVICE

(51) International classification	:A61M5/20,A61M5/24	(71)Name of Applicant:
(31) Priority Document No	:11511979	1)SHL GROUP AB
(32) Priority Date	:15/12/2011	Address of Applicant :IP Department Box 1240
(33) Name of priority country	:Sweden	Augustendalsvgen 19 S 131 28 Nacka Strand Sweden
(86) International Application No	:PCT/SE2012/051365	(72)Name of Inventor:
Filing Date	:10/12/2012	1)HOLMQVIST Anders
(87) International Publication No	:WO 2013/089620	
(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 autoinjector device (10) for use in combination with a syringe (30) said syringe comprising a movable plunger; a needle; and a tubular needle shield (34). The claimed autoinjector device (10) comprises: an elongated housing having a proximal(11) and a distal end (12); a drive mechanism; a syringe holder (40) in order to support the fragile syringe and to prevent damage to the syringe. The invention furthermore relates to a method for assembly of the autoinjector device according to the invention.



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

(22) Date of filing of Application :23/06/2014

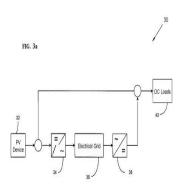
(43) Publication Date: 29/01/2016

# (54) Title of the invention : SYSTEM AND METHOD FOR SYSTEM LEVEL POWER POINT CONTROL OF A PHOTOVOLTAIC DEVICE

(51) International classification	:H02M7/493 :61/590254	(71)Name of Applicant:
<ul><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:24/01/2012	1)ROBERT BOSCH GMBH Address of Applicant :Postfach 30 02 20 D 70442 Stuttgart
(33) Name of priority country	:U.S.A.	Germany
(86) International Application No	:PCT/US2013/023032	(72)Name of Inventor:
Filing Date	:24/01/2013	1)SAUSSELE John Charles
(87) International Publication No	:WO 2013/112770	
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method of controlling a photovoltaic system includes providing a photovoltaic device having a variable DC voltage output and a variable DC current output. The photovoltaic device has a combination of a voltage output level and a current output level corresponding to a maximum power point. A DC power supply is connected in a parallel and/or series combination with the photovoltaic device. A DC load is connected in series to the combination of the DC power supply and the photovoltaic device such that the load is powered by the combination. A characteristic of the DC power supply is adjusted such that the voltage output and the current output of the photovoltaic device substantially match the voltage output level and the current output level corresponding to the maximum power point or other desired power point.



No. of Pages: 27 No. of Claims: 20

(21) Application No.2899/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :13/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention : METHOD AND SYSTEM FOR SECURE BIDIRECTIONAL COMMUNICATION FOR INDUSTRIAL DEVICES

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:H04L :NA :NA	(71)Name of Applicant:  1)ABB TECHNOLOGY LTD.  Address of Applicant: AFFOLTERNSTRASSE 44, CH-8050,
(33) Name of priority country	:NA	ZURICH Switzerland
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SHABEER THAZHATHETHIL
(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:

METHOD AND SYSTEM FOR SECURE BIDIRECTIONAL COMMUNICATION FOR INDUSTRIAL DEVICES A method and system for establishing bidirectional remote communication between a Remote Service Portal and a plurality of drives is described. The method and system use a bidirectional remote communication interface for bidirectional remote communication that comprises a network adaptor for installing a client server connected to the drives and configured for bi-directional secure data exchange and handling the drive related action and data for each drive, a CommGrid server configured as a communication server configured to communicate with the client server and the RSP, and a web socket based communication protocol for the bidirectional remote communication between the RSP, the client server and the CommGrid server that uses request and response packets for handling request actions and response actions respectively, comprising a plurality of blocks, and wherein the plurality of blocks comprise Data block, Digital Signature block, Device Key block and Action specification block.

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

(21) Application No.2978/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :19/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: DUAL-STAGE PARABOLIC CONCENTRATOR

(51) International classification	:F24J	(71)Name of Applicant :
(31) Priority Document No	:NA	1)RAJAGANAPATHY LAKSHMANAN
(32) Priority Date	:NA	Address of Applicant :No.4, Mariamman Koil Street,
(33) Name of priority country	:NA	Thiruvettakudy, Karaikal - 609609, Pondicherry, India.
(86) International Application No	:NA	Pondicherry India
Filing Date	:NA	2)KARTHIGUEYANE LAKSHMANAN
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)RAJAGANAPATHY LAKSHMANAN
Filing Date	:NA	2)KARTHIGUEYANE LAKSHMANAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An improvised Solar Concentrator and Absorber / Receiver Subsystem using a Dual-Stage Parabolic Concentrator for Concentrating Solar Power (CSP) (Thermal) system comprises of two parabolic mirrored reflectors wherein their apertures face each other with their focal point/line and axes coincides with each other, a plurality of absorber tubes/cavities placed on the non-reflecting side of the primary and/or secondary reflectors to carry heat transfer fluid, combined with relevant mechanisms to prevent/minimize thermal loss, mounted on a Sun tracking mechanism. For Concentrating Photovoltaic (CPV) and Concentrating Hybrid Thermo-Photovoltaic (CHTPV) Systems, all or a portion of the reflectors reflecting and/or exterior surfaces would be covered or substituted with suitable photovoltaic panels.

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

(22) Date of filing of Application: 19/06/2014 (43) Publication Date: 29/01/2016

## (54) Title of the invention: TAGGING LANGUAGE FOR BROADCAST RADIO

#### (57) Abstract:

A wireless device (12) for receiving a broadcast radio transmission, comprising: a memory (56) comprising a radio enhancer module (36); a processor(54) in communication with the memory and operable to execute the radio enhancer module; a receiver(28) in communication with the processor, wherein the receiver is operable to receive a broadcast radio transmission(14) comprising multimedia content (20) and supplemental information(22) corresponding to the multimedia content, wherein the supplemental information comprises a first data group and a second data group from a plurality of predetermined data groups each comprising different data, wherein the first data group comprises a first tag and a corresponding first set of text data and the second data group comprises a second set of text data different from the first set of text data wherein the second set of text data represents a program service name, a program identification code, a program type code, a radio text message and a clock time; a receiver module associated with the receiver, wherein the receiver module comprises circuitry operable to detect the first tag and the first set of text data from the first data group; and wherein the processor executes the radio enhancer module(36) to monitor the receiver module, wherein the radio enhancer module is operable responsive to detection of the first tag and first set of text data to enable a predetermined capability(38) of the wireless device(12) based on the detecting of the first tag and the first set of text data, wherein the enabled predetermined capability comprises functionality related to promote user interactive activity or enhance user experience, wherein the enabling of the predetermined capability comprises storing the program service name, the program identification code, the program type code, the radio text message and the clock time in a memory of the wireless device.

No. of Pages: 36 No. of Claims: 21

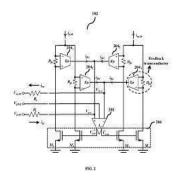
(22) Date of filing of Application :13/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention : A METHOD OF PRODUCING A LINEAR CURRENT SIGNAL IN A BASEBAND VOLTAGE-TO-CURRENT (V-I) CONVERTER

(51) Y	11025	
(51) International classification	:H03F	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Indian Institute of Technology Madras
(32) Priority Date	:NA	Address of Applicant :Indian Institute of Technology Madras
(33) Name of priority country	:NA	(IIT Madras), IIT PO, Chennai Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Nagendra Krishnapura
(87) International Publication No	: NA	2)Madhukar Vallabhaneni
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Embodiments herein disclose a method of producing a linear current signal in a baseband V-I converter. The baseband V-I converter includes a feedback converter, an operational amplifier. The feedback converter is configured to receive a plurality of first current signal from a plurality of first power transistors in a first stage and plurality of second current signals from a plurality of second power transistors in a second stage. Further, the feedback converter is configured to produce a plurality of feedback current signals in the first stage and the second stage. Further, the operational amplifier is configured to receive the plurality of feedback current signals and plurality of reference current signals obtained from plurality of input voltage signals. The operational amplifier is configured to compare the plurality of reference current signals with received plurality of feedback current signals to produce output voltage signals. FIG. 2



No. of Pages: 50 No. of Claims: 20

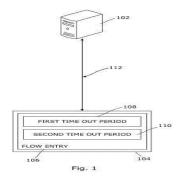
(22) Date of filing of Application :18/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: PREVENTING FLOW TABLE MISSES IN A SOFTWARE DEFINED NETWORK

(51) International classification	:G06F	(71)Name of Applicant :
(31) Priority Document No	:NA	1)HEWLETT-PACKARD DEVELOPMENT COMPANY,
(32) Priority Date	:NA	L.P.
(33) Name of priority country	:NA	Address of Applicant :11445 Compaq Center Drive West,
(86) International Application No	:NA	Houston, Texas 77070, United States of America U.S.A.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SUBIN CYRIAC MATHEW
(61) Patent of Addition to Application Number	:NA	2)SUGESH CHANDRAN
Filing Date	:NA	3)CELESTIAN KANIAMPADY SEBASTIAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Examples disclosed herein relate to preventing flow table misses in a software defined network. A first timeout period may be associated with a flow entry in a software defined network (SDN) enabled device, wherein upon expiry of the first timeout period the flow entry is removed from the SDN enabled device. A second timeout period may be associated with the flow entry in the SDN enabled device, wherein the second timeout period is shorter than the first timeout period. A copy of a packet from a flow matching the flow entry may be sent from the SDN enabled device to a SDN controller upon expiry of the second timeout period. The SDN controller may update the first timeout period associated with the flow entry in the SDN enabled device. [Fig. 1]



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

(22) Date of filing of Application :18/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: AUTOMATIC RE-ROUTING OF NETWORK TRAFFIC IN A SOFTWARE-DEFINED NETWORK

(51) International classification	:G08G	(71)Name of Applicant:
(31) Priority Document No	:NA	1)HEWLETT-PACKARD DEVELOPMENT COMPANY,
(32) Priority Date	:NA	L.P.
(33) Name of priority country	:NA	Address of Applicant :11445 Compaq Center Drive West,
(86) International Application No	:NA	Houston, Texas 77070, United States of America U.S.A.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)CELESTIAN KANIAMPADY SEBASTIAN
(61) Patent of Addition to Application Number	:NA	2)SARO CHANDRA BHOOSHAN THAZHATH VEETTIL
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Methods, systems, and storage mediums that can allow for automatic re-routing of network traffic in software-defined networks. In some examples, instructions can be provided to network switches in a software-defined network to initially route network traffic along a first flow route. The instructions can further instruct the network switches to automatically re-route the network traffic along a second flow route at a later time. [Fig. 2]

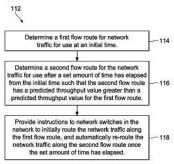


FIG. 2

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

(21) Application No.3022/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :23/06/2014 (43) Publication Date : 29/01/2016

### (54) Title of the invention: OIL RETENTION MECHANISM

(32) Priority Date :NA Address of Applicant :JAYALAKSHMI ESTA (33) Name of priority country :NA (OLD NO.8) HADDOWS ROAD, CHENNAI 600 (86) International Application No :NA Filing Date :NA (72)Name of Inventor : (87) International Publication No :NA (61) Patent of Addition to Application Number Filing Date :NA (62) Divisional to Application Number :NA (63) Divisional to Application Number :NA (64) Divisional to Application Number :NA (72)Name of Inventor : (87) International Publication Number :NA (72)Name of Inventor : (88) International Application Number :NA (72)Name of Inventor : (89) International Publication Number :NA (72)Name of Inventor : (80) International Application Number :NA (72)Name of Inventor : (81) International Publication Number :NA (72)Name of Inventor : (81) International Publication Number :NA (72)Name of Inventor : (82) International Publication Number :NA (73)Name of Inventor : (83) International Application No (74)Name of Inventor : (84) International Publication No (74)Name of Inventor : (85) International Publication No (74)Name of Inventor : (86) International Publication No (74)Name of Inventor : (87) International Publication Number :NA (74)Name of Inventor : (88) International Publication No (74)Name of Inventor : (88) International Publication No (74)Name of Inventor : (89) International Publication Number :NA (74)Name of Inventor : (80) International Publication Number :NA (74)Name of Inventor : (81) International Publication Number :NA (74)Name of Inventor : (81) International Publication Number :NA (74)Name of Inventor : (82) International Publication Number :NA (74)Name of Inventor : (83) International Publication Number :NA (74)Name of Inventor : (84) International Publication Number :NA (75)Name of Inventor : (85) International Publication Number :NA (75)Name of Inventor : (86) International Publication Number :NA (75)Name of Inventor : (87) International Publication Number :NA (75)Name of Inventor : (87) International Publication Number :NA (75)Name of Inventor : (88) Inter	
(62) Divisional to Application Number :NA Filing Date :NA  LOGANATHAN	

#### (57) Abstract:

An engine lubrication system for a two wheeled vehicle (10) comprising an engine (4) with a crankcase (31), a sump (14), a cylinder block (15) and a cylinder head portion (16) wherein the cylinder block (15) sits on the said crankcase (31) at a cylinder block seating face (25). A lubrication path (24) passes through the said oil sump (14), cylinder block seating face (25), cylinder block (15), and cylinder head portion (16) and back to the said oil sump (14). The cylinder block seating face (25) is provided with a tapered groove (54) which accommodates a float (53) inside the said tapered groove (54) and a retainer (55) to retain the said float (53) inside the said tapered groove (54). The float (53) resting on the lower portion of the said tapered groove (54) during engine OFF condition and thereby sealing the leakage of oil back to the lubrication path (24). The float (53) gets lifted upwardly in the said tapered groove (54) during engine ON condition and thereby allowing the flow of oil forwardly in the lubrication path (24). < To be published with Fig. 3A >

No. of Pages: 15 No. of Claims: 7

(22) Date of filing of Application :23/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: HOUSING ASSEMBLY FOR A MOTORCYCLE FRONT LIGHTING SYSTEM

(51) International classification	:B62J	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TVS MOTOR COMPANY LIMITED
(32) Priority Date	:NA	Address of Applicant :JAYALAKSHMI ESTATES • NO.29
(33) Name of priority country	:NA	(OLD NO.8) HADDOWS ROAD, CHENNAI 600 006 Tamil
(86) International Application No	:NA	Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)THANIKACHALAM GUNALAN
(61) Patent of Addition to Application Number	:NA	2)RAMANATHAN ANANTHA NARAYANAN
Filing Date	:NA	3)MONALISHA MAHARANA
(62) Divisional to Application Number	:NA	4)DEVENDRA KUMAR
Filing Date	:NA	

### (57) Abstract:

The present subject matter described herein relates to a housing assembly (35) for a front lighting system of a motorcycle. The housing assembly (35) described herein includes a first housing member (35a) and a rear housing member (35b) detachably coupled to each other. Whereas the first housing member (35a) includes at least a pair of mounting bosses (39) integrally formed therein, the second housing member (35b) includes a lower peripheral member (41), and a pair of mounting projections (41a) formed at both ends thereof and adapted to abut against said pair of mounting bosses (39) when said first housing member (35a) is detachably coupled to said second housing member (35b) by means of a pair of fasteners. <To be published with FIG.5>

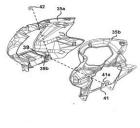


FIG.

No. of Pages: 22 No. of Claims: 0

(21) Application No.2961/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :18/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: INCENSE STICK COUNTING 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> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B61L 1/00 :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)RAVIKIRAN KARAPAKALA Address of Applicant: N104, RAJ LAKEVIEW, 29TH MAIN, BTM 2ND STAGE, BANGALORE - 560 076 Karnataka India (72)Name of Inventor:  1)RAVIKIRAN KARAPAKALA
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

### (57) Abstract:

[0026] An incense stick counting machine includes a tray, a vibrator associated with one or more base plates, a correcting roller and a sensor. Incense sticks are fed onto the tray at one end of the incense stick counting machine. The base plates associated with the tray are vibrated through the vibrator to move the incense sticks towards another end of the incense stick counting machine. A motion of the incense sticks is corrected to a pre-decided height through the correcting roller. Finally, the incense sticks are counted when the incense sticks pass through a range of the sensor located at the another end of the counting machine.

No. of Pages: 15 No. of Claims: 6

(21) Application No.2962/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :18/06/2014

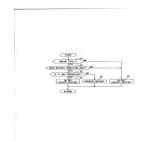
(43) Publication Date: 29/01/2016

# (54) Title of the invention: ENGINE RESTART CONTROL DEVICE

(51) International classification	:F02N	(71)Name of Applicant:
(31) Priority Document No	:2013- 132868	1)SUZUKI MOTOR CORPORATION Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date		Hamamatsu-shi, Shizuoka-ken, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Hiroyasu NAKANO
Filing Date	:NA	2)Takahiro OIKAWA
(87) International Publication No	: NA	3)Ken TATEISHI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

PLEASE SEE THE SPECIFICATION ATTACHED.



No. of Pages: 23 No. of Claims: 1

(22) Date of filing of Application :23/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: SYSTEM AND METHOD FOR PHASE BALANCED CHARGING OF ELECTRIC VEHICLES

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (87) International Publication Number Filing Date (88) International Publication Number Filing Date (89) Divisional to Application Number Filing Date (80) Divisional to Application Number Filing Date (81) International classification Number Filing Date (81) International classification Number Filing Date (82) International classification Number Filing Date	Address of Applicant : AFFOLTERNSTRASSE 44, CH-8050, ZURICH Switzerland (72)Name of Inventor: 1)SIMI VALSAN 2)MALLIKARJUN KANDE 3)SHANTHI VELLINGIRI
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------

## (57) Abstract:

In aspects, the present invention discloses an electric vehicle charging system. The electric vehicle charging system is electrically connected to a three phase line from a power grid. The electric vehicle charging system includes a charging station and a master controller. The charging station has a switching mechanism mechanically coupled to an actuator, a charging means electrically connected with the switching mechanism, a wireless interface for communicating with a corresponding wireless interface of an electric vehicle. The switching mechanism is electrically connectable to a single phase from three phases of the three phase line. The master controller is in communication with the power grid. The master controller operates the actuator based on one or more inputs from the power grid.

No. of Pages: 17 No. of Claims: 6

(22) Date of filing of Application :23/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: MOTOR-DRIVEN COMPRESSOR

(51) International classification	:H01G	(71)Name of Applicant:
(21) Priority Dogument No.	:2013-	1)KABUSHIKI KAISHA TOYOTA JIDOSHOKKI
(31) Priority Document No	132614	Address of Applicant :2-1, TOYODA-CHO, KARIYA-SHI,
(32) Priority Date	:25/06/2013	AICHI-KEN Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)JUNYA YANO
Filing Date	:NA	2)AKIO FUJII
(87) International Publication No	: NA	3)JUNICHI TAKAHATA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A motor-driven compressor includes a motor driving circuit including a capacitor electrically connected through a lead to a circuit board, and a capacitor holder that is made of a plastic and holds the capacitor. The capacitor holder includes a side wall, which covers a side surface of the capacitor. The lead protrudes from the side surface. The side wall includes a through-hole, which opens through each of a first end surface of the side wall facing the circuit board and a second end surface of the side wall opposite to the circuit board and guides the lead to a portion of the circuit board to which the lead is to be connected. The side wall includes a wall surface facing the capacitor. The wall surface includes a slit, which is continuous with the through-hole and opens opposite to the circuit board.

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

(21) Application No.2992/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :19/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: RECORDING MEDIUM

(51) International classification	:C09D	(71)Name of Applicant:
(21) Drienita Decoment No	:2013-	1)CANON KABUSHIKI KAISHA
(31) Priority Document No	131660	Address of Applicant :of 3-30-2, Shimomaruko, Ohta-ku,
(32) Priority Date	:24/06/2013	Tokyo, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Tetsuro Noguchi
Filing Date	:NA	2)Hisao Kamo
(87) International Publication No	: NA	3)Isamu Oguri
(61) Patent of Addition to Application Number	:NA	4)Kazuhiko Araki
Filing Date	:NA	5)Shinya Yumoto
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A recording medium includes a support and an ink- receiving layer. The ink-receiving layer contains alumina particles, silica particles and a binder. A composition analysis of the recording medium performed by X-ray photoelectron spectroscopy while etching is performed from a surface side to a support side provides a ratio of the amount of Si element to the total amount of Al element and Si element at an etching time of 0 minutes of 10 atomic percent or more and 90 atomic percent or less and a ratio of the amount of Si element to the total amount of Al element and Si element at an etching time of 5 minutes of 50 atomic percent or more.

No. of Pages: 55 No. of Claims: 10

(22) Date of filing of Application :18/06/2014 (43) Publication Date: 29/01/2016

## (54) Title of the invention: CYCLOALKANE CARBOXYLIC ACID DERIVATIVES AS CXCR3 RECEPTOR ANTAGONISTS

(51) International :A61K31/4025,C07D207/40,C07D209/48 classification

:PCT/HU2012/000128

:WO 2013/084013

:03/12/2012

(31) Priority Document :EP11462023.0

(32) Priority Date :06/12/2011

(33) Name of priority

:EPO country

(86) International

Application No

Filing Date

(87) International Publication No

(61) Patent of Addition :NA to Application Number

:NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

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Address of Applicant :54 rue La Boetie F 75008 Paris France

(72)Name of Inventor:

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2)BUDZER LANTOS Pter

3)VASAS Attila

4)BART□N‰ BODOR Veronika

5)FERENCZY Gyrgy 6)T-M-SK-ZI Zsuzsanna 7)SZELECZKY G;bor 8)B • TORI Sindor 9)SMRCINA Martin 10)PATEK Marcel

11)WEICHSEL Aleksandra

12)S.THORPE David

## (57) Abstract:

The present invention relates to compounds of formula 1 that are useful as an active ingredient of a medicament for preventive and/or therapeutic treatment of diseases caused by abnormal activation of CXCR3 chemokines. The invention relates furthermore to a process for the preparation of said compounds to pharmaceutical compositions containing said compounds and to the novel intermediates used in the preparation of said compounds.

$$(CR^aR^b)_b (CR \Leftrightarrow R^d)_c$$

$$(CH_2)_a$$

$$X$$

$$Y$$

$$X$$

$$Y$$

No. of Pages: 111 No. of Claims: 23

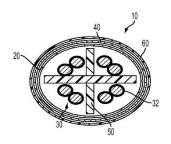
(22) Date of filing of Application :18/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: CABLE WITH NON FLAMMABLE BARRIER LAYER

:H01B7/295,H01B11/06 (71)Name of Applicant : (51) International classification (31) Priority Document No 1) GENERAL CABLE TECHNOLOGIES CORPORATION :61/578614 (32) Priority Date Address of Applicant :4 Tesseneer Drive Highland Heights :21/12/2011 (33) Name of priority country :U.S.A. Kentucky 41076 U.S.A. (86) International Application No :PCT/US2012/070121 (72)Name of Inventor: Filing Date 1) CAMP II David P. :17/12/2012 (87) International Publication No :WO 2013/096210 2)BROWN Scott M. (61) Patent of Addition to Application 3)FAUSZ David M. :NA 4)MALKEMUS James D. :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

## (57) Abstract:

A cable that comprises a core that has at least one conductor a dielectric barrier layer that surrounds the core and a conductive shield that surrounds the core. The dielectric barrier layer is formed of a substantially non flammable material and is devoid of fluoropolymers.



**FIGURE** 

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

(22) Date of filing of Application :13/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: A COMPACT CIRCUIT BREAKER WITH A RESISTOR SWITCH ASSEMBLY

(51) International classification	∙но1н	(71)Name of Applicant:
(31) Priority Document No	:NA	1)ABB TECHNOLOGY LTD.
(32) Priority Date	:NA	Address of Applicant :AFFOLTERNSTRASSE 44, CH-8050,
(33) Name of priority country	:NA	ZURICH Switzerland
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)WALTER HOLAUS
(87) International Publication No	: NA	2)KALPESH CHAUHAN
(61) Patent of Addition to Application Number	:NA	3)ROSY RAYSAHA
Filing Date	:NA	4)BHAVESH ACHARYA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

ABSTRACT 18 FIG. 2 The present invention relates to an interrupter driven resistor switch assembly comprising an interrupter, a slider, a lever and link arrangement, a swich and a closing resistor. The slider is connected with the interrupter such that an interrupter rod is arranged to drive the slider along a first axis and the slider is arranged to drive an interrupter arcing contact along a second axis parallel to the first axis. The lever and link arrangement comprises at least one lever mechanically coupled with the movement of the slider and at least one link mechanically coupled with the movement of the at least one lever. The switch comprises a movable contact and a fixed contact, wherein the movable contact is arranged to move proportionally in response to movement of the slider to engage with the fixed contact for one of electrically connecting and disconnecting the closing resistor.

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

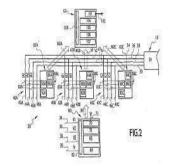
(22) Date of filing of Application :13/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: SYSTEM FOR CALCULATING AN ELECTRIC QUANTITY, TRANSFORMER SUBSTATION COMPRISING SUCH A SYSTEM AND METHOD FOR CALCULATING AN ELECTRIC QUANTITY WITH 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> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H04B :13 55657 :17/06/2013 :France :NA :NA : NA :NA :NA	(71)Name of Applicant:  1)SCHNEIDER ELECTRIC INDUSTRIES SAS Address of Applicant :of 35, rue Joseph Monier, F-92500 Rueil Malmaison, France France (72)Name of Inventor: 1)COUTELOU, Olivier 2)SILLANS, Damien 3)GAILLARD, Maxime
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The system (20) according to the invention for calculating an electric quantity relative to an electrical installation comprising several secondary electrical conductors (42A, ..., 48C) electrically connected to a primary electrical conductor (34; 36; 38). This system comprises a first module (60) including a wireless transmitter (70) and a plurality of second modules (62A, 62B, 62C). These second modules include a wireless transceiver (86A, 86B, 86C) and a current sensor (83A, 83B, 83C) capable of measuring the intensity (IA1, IA2, IA3, IB1, IB2, IB3, IC1, IC2, IC3) of the current circulating in a corresponding conductor from among the primary and secondary electrical conductors. The first module includes first transmission means (72, 74) for transmitting a first time synchronization message (M1) to each second module. Each second module includes first means (84A, 88A; 84B, 88B; 84C, 88C) for receiving the first message (M1) and second transmission means (84A, ..., 88C) for sending a second message (M2A, M2B, M2C) containing at least one intensity value measured by the corresponding current sensor to a third module (63). The intensity values are measured quasi-simultaneously, preferably with a synchronization margin of error smaller than 10 s, and the third module includes a wireless receiver (101), second means (102, 104) for receiving second messages (M2A, M2B, M2C), and a unit (104) for calculating the electric quantity from intensity values received via said second messages. Figure 2



No. of Pages: 39 No. of Claims: 16

(22) Date of filing of Application :18/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention : MICROCAPILLARY FILMS AND FOAMS SUITABLE FOR CAPILLARY ACTION FLUID TRANSPORT

:B29D7/01,B32B3/20,C08J5/18 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)DOW GLOBAL TECHNOLOGIES LLC :61/578932 (32) Priority Date :22/12/2011 Address of Applicant: 2040 Dow Center Midland MI 48674 (33) Name of priority country :U.S.A. (86) International Application No: PCT/US2012/071116 (72) Name of Inventor: Filing Date :21/12/2012 1)ZALAMEA BUSTILLO Luis G. (87) International Publication No :WO 2013/096714 2)KOOPMANS Rudolf J. (61) Patent of Addition to 3)PRIETO GOUBERT Miguel A. :NA **Application Number** 4)WOCKE Colmar :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

## (57) Abstract:

The instant invention provides microcapillary films and /or foams suitable for capillary action fluid transport. The inventive microcapillary film and/or foam containing suitable for capillary action fluid transport according to the present invention has a first end and a second end and comprises:(a) a matrix comprising a thermoplastic material and (b) at least one or more channels disposed in parallel in said matrix from the first end to the second end of said microcapillary film and/or foam wherein said one or more channels are at least 1  $\mu$ m apart from each other wherein each said one or more channels have a diameter in the range of at least 1  $\mu$ m; wherein said microcapillary film and/or foam has a thickness in the range of from 2  $\mu$ m to 2000  $\mu$ m.

No. of Pages: 24 No. of Claims: 9

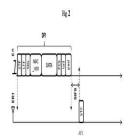
(22) Date of filing of Application :18/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: TRANSMISSION OF ACKNOWLEDGEMENT OF SHORT DURATION

<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>		(71)Name of Applicant:  1)ORANGE  Address of Applicant: 78 rue Olivier de Serres F 75015 Paris France (72)Name of Inventor:  1)CHRISTIN Philippe 2)CARIOU Laurent 3)REDIETEAB Getachew
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention comprises a method for transmission of an acknowledgement frame (AF1) by a receiving entity (ER1) characterised in that the method comprises following reception of a data frame (DF1) transmitted by a transmitting entity (EE1) and comprising a synchronisation field (STF) containing a piece of invariant information known to said entities and an identification field (MAC_HDR) containing information identifying said transmitting entity (EE1) and said receiving entity (ER1) a transmission step of an acknowledgement frame (AF1) by said receiving entity (ER1) comprising a synchronisation field (STF) on the basis of said synchronisation field (STF) of the data frame said acknowledgement frame (AF1) not including the identification field (MAC_HDR).



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

(22) Date of filing of Application: 18/06/2014 (43) Publication Date: 29/01/2016

## (54) Title of the invention: BASEBAND RESOURCE ALLOCATION METHOD AND DEVICE 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</li> </ul>	:18/06/2012 :WO 2013/075479	(71)Name of Applicant:  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)LUAN Zhuxiao  2)ZHOU Xiaohua
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li></ul>		
Number Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

## (57) Abstract:

A baseband resource allocation method and a device thereof. The method includes: traversing all automatically allocated local cell sets automatically allocated baseband plate sets automatically allocated BBU frame sets generated cell sets to be allocated allocated cell sets to be adjusted idle baseband plate sets and associated machine frame sets; and traversing all automatically allocated BBU frame sets and allocating all automatically baseband resource BBU frame sets to a local cell according to the allocation principles. By way of the abovementioned method and device thereof baseband resources are allocated to a cell according to the allocation principles using loops which makes the best of baseband resources thus utilizing the baseband resource to the greatest extent and at the same time reducing the manual participation process lowering the error probability and greatly improving the working efficiency when establishing base stations on a large scale in a cluster environment.

No. of Pages: 20 No. of Claims: 11

(22) Date of filing of Application :01/06/2012 (43) Publication Date : 29/01/2016

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

(51) International classification	:B32B27/20,C08K 3/22	(71)Name of Applicant: 1)ISOVOLTAIC AG
(31) Priority Document No	:A 1898/2009	Address of Applicant :ISOVOLTAICSTRASSE 1, 8403,
(32) Priority Date	:01/12/2009	LEBRING Austria
(33) Name of priority country	:Austria	(72)Name of Inventor:
(86) International Application No	:PCT/AT2010/000463	1)MIKATS, GUENTHER
Filing Date	:30/11/2010	
(87) International Publication No	:WO 2011/066595 A1	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a solar module (1) having at least one solar cell (2), which is arranged between a front cover (4) and a rear cover (6), wherein the front cover (4) enables the passage of light to the solar cell (2), comprising a rear cover (6), which comprises an at least two-layer, halogen-free coextrudate element (6), which has a first thermoplastic layer (8) facing the solar cell (2) and a second thermoplastic layer (10) facing away from the solar cell (2), wherein the first thermoplastic layer (8) comprises a first filling material (18), which has a reflectivity that is higher than the reflectivity of the thermoplastic of the first thermoplastic layer (8), and the second thermoplastic layer (10) comprises a second filling material (20), which has a higher thermal conductivity than the thermoplastic of the second thermoplastic layer (10), wherein in the two thermoplastic layers (8, 10) the respective fraction of the first (18) or second (20) filling material is different from the fraction of the same filling material (18, 20) in the other thermoplastic layer (10, 8).

No. of Pages: 21 No. of Claims: 29

(21) Application No.2943/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :17/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: ANTI-ROTATION MOUNTING MECHANISM FOR A POLYGONAL-SHAPED CUTTING INSERT

(51) International classification	:B23B	(71)Name of Applicant:
(31) Priority Document No	:NA	1)KENNAMETAL INDIA LIMITED
(32) Priority Date	:NA	Address of Applicant :8/9th Mile, Tumkur Road, Bangalore-
(33) Name of priority country	:NA	560073, Karnataka, India. Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Padmakumar Muthuswamy
(87) International Publication No	: NA	2)Arunachalam Muthuchidambaram
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

An anti-rotation mechanism for a cutting tool (10) includes a pin (29) protruding from a radially-inward rear wall (28) of an insert pocket (16) of the cutting tool (10), and a recess (49) formed in at least one side surface (36) of a polygonal-shaped cutting insert (30) for receiving a portion of the pin (29) to prevent movement of the cutting insert (36) when mounted in the insert pocket (16).

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

(21) Application No.3024/CHE/2014 A

(19) INDIA

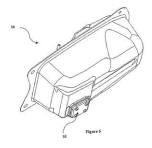
(22) Date of filing of Application :23/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: FERRO FILTER SYSTEM

(51) International classification	:H01H	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TVS MOTOR COMPANY LIMITED
(32) Priority Date	:NA	Address of Applicant :JAYALAKSHMI ESTATES • NO.29
(33) Name of priority country	:NA	(OLD NO.8) HADDOWS ROAD, CHENNAI 600 006 Tamil
(86) International Application No	:NA	Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MD. AFSAR HUSSAIN KARIM
(61) Patent of Addition to Application Number	:NA	2)BALAGURU SRIDHAR
Filing Date	:NA	3)RAMESH VAIDHEESWARAN
(62) Divisional to Application Number	:NA	4)B. KRITHIKA
Filing Date	:NA	

### (57) Abstract:

A ferro filter system for a two-wheeled vehicle with a metallic fuel tank (16). The fuel tank is equipped with a reed switch type level sensor assembly (32). The reed switch type level sensor assembly (32) has plurality of reed switches (43) wherein the on or off condition of the said reed switches (43) is achieved through motion of a float (44) to generate electrical signals corresponding to level of fluid in the said fuel tank (16). A metallic flange (53) is equipped with a magnet (51) in such a way that the said flange (53) is attached to the said fuel tank (16) from outside of the said fuel tank (16) by means of fasteners such that the said magnet (51) is located at the bottom and lowermost portion inside the fuel tank (16). < To be published with Fig. 6 >



No. of Pages: 19 No. of Claims: 4

(22) Date of filing of Application :17/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention : 2 4 DIFLUORO 2 METHYL SUBSTITUTED NUCLEOSIDE DERIVATIVES AS INHIBITORS OF HCV RNA REPLICATION

(51) International :C07H19/06,A61K31/7072,A61P31/14

classification .CO/III9/00,A01K31/10/2,A01F31/

(31) Priority Document No :61/577707 (32) Priority Date :20/12/2011 (33) Name of priority country :U.S.A.

(86) International :PCT/EP2012/075779

Application No
Filing Date

FIGURE 2012/0

:17/12/2012

(87) International :WO 2013/092481

Publication No
(61) Patent of Addition to
:NA

Application Number
Filing Date
(62) Divisional to
Application Number
Filing Date
:NA
:NA
:NA

(71)Name of Applicant:

1)F. HOFFMANN LA ROCHE AG

Address of Applicant :Grenzacherstrasse 124 CH 4070 Basel

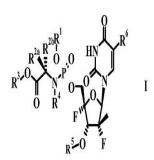
Switzerland

(72)Name of Inventor: 1)ZHANG Jing

2)ZHANG Zhuming

## (57) Abstract:

The present disclosure relates to compounds of Formula (I): Also disclosed are pharmaceutical compositions comprising compounds of Formula (I) methods of using the compounds of Formula (I) and/or compositions comprising the compounds of Formula (I) for the treatment of HCV.



No. of Pages: 56 No. of Claims: 20

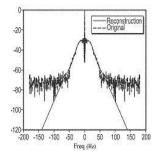
(22) Date of filing of Application :17/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention : SYSTEM AND METHOD FOR ANALYSIS AND RECONSTRUCTION OF VARIABLE PULSE WIDTH SIGNALS WITH FINITE RATES OF INNOVATION

(62) Divisional to Application Number :NA Filing Date :NA		:08/11/2012 :WO 2013/089949 :NA :NA	(71)Name of Applicant:  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)QUICK Roy Franklin Jr.  2)CROCHIERE Ronald Eldon  3)HONG John Hyunchul
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### (57) Abstract:

Systems and methods are described herein for defining and parameterizing signals or system responses containing pulses of varying width. The parameters may define the signal and therefore can be equated to a compressed version of the original signal. Storage of the parameters as a compressed version of the signal requires less storage space making storage of signals more memory efficient.



No. of Pages: 31 No. of Claims: 25

(21) Application No.4533/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application: 17/06/2014 (43) Publication Date: 29/01/2016

## (54) Title of the invention: A METHOD FOR AN ANTENNA GROUND PLANE EXTENSION

(51) International classification :H01Q1/24,H01Q1/27,H01Q1/38 (71) Name of Applicant:

:13/342095 (31) Priority Document No (32) Priority Date :01/01/2012 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2012/072340

No

:31/12/2012 Filing Date

(87) International Publication No:WO 2013/102225

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

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)JENWATANAVET Jatupum

### (57) Abstract:

The various embodiments include methods and apparatus relating to manufacturing a PCB assembly (350). The layers (300 305 310 315 320 325 330 335) in a stacked arrangement forming the PCB assembly include at least one RF ground layer (305) that extends in a unitary manner beyond the plurality of stacked layers to form an antenna ground plane that spans the portion of the layer within the PCB assembly and the portion of the layer extending beyond the PCB assembly. The extended conductive layer forms a continuous ground plane element along a width of the PCB assembly. The antenna ground plane extension extending beyond the PCB assembly may be flexible enabling it to be fit within or extend beyond the casing of a small device such as a watch telephone.

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

(21) Application No.2963/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :18/06/2014 (43) Publication Date : 29/01/2016

(54) Title of the invention: NOVEL PROCESS FOR THE PREPARATION OF (1R, 2R,3AS,9AS)-[[2,3,3A,4,9,9A-HEXAHYDRO-2-HYDROXY-1-[(3S)-3-HYDROXYOCTYL]-1H-BENZ[F]INDEN-5-YL]OXY]ACETIC ACID

(51) International classification	:C07D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)MSN LABORATORIES PRIVATE LIMITED
(32) Priority Date	:NA	Address of Applicant :FACTORY: SY.NO.317 & 323,
(33) Name of priority country	:NA	RUDRARAM (VIL), PATANCHERU (MDL), MEDAK (DIST) -
(86) International Application No	:NA	502 329 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SRINIVASAN THIRUMALAI RAJAN
(61) Patent of Addition to Application Number	:NA	2)MUPPA KISHORE KUMAR
Filing Date	:NA	3)MUDDASANI RAMAKRISHNA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention related to a novel process for the preparation of (IR,2R,3aS,9aS)-[[2,3,3a,4,9,9a-Hexahydro-2-hydroxy-l-[(3S)-3-hydroxyoctyl]-IH-benz[fj inden-5-yl]oxy]acetic acid represented by structural formula-1 and also its pharmaceutically acceptable salts, preferably sodium salt represented by structural formula-la.

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

(22) Date of filing of Application: 18/06/2014 (43) Publication Date: 29/01/2016

## (54) Title of the invention: PROCESS FOR FORMING CASE HARDENED STEEL COMPONENT

(51) International classification :0	C23C	(71)Name of Applicant:
(31) Priority Document No	NA	1)M/s BEML LIMITED
(32) Priority Date	NA	Address of Applicant :23/1, 4th Main, BEML SOUDHA, S.R.
(33) Name of priority country	NA	NAGAR, BANGALORE 560027, KARNATAKA, INDIA
(86) International Application No :1	NA	Karnataka India
Filing Date :1	NA	(72)Name of Inventor:
(87) International Publication No :	NA	1)RAMANNA NAIK Shivakumara Suragodu
(61) Patent of Addition to Application Number	NA	2)SIVAPRAKASAM Baranithar
Filing Date :1	NA	
(62) Divisional to Application Number :1	NA	
Filing Date	NA	

#### (57) Abstract:

A process for forming a case hardened steel component is disclosed. The process includes the steps of carburizing steel material in first atmosphere having carbon activity 11541158mv at temperature from 923927°C for time period of 2.158.15 hours to obtain carburized steel material having carburized depth of 0.61.7mm; carbo-nitriding the carburized steel material in reactor having second atmosphere with carbon activity of 11301134mv and temperature from 838842°C for time period of 1.01.5 hours to obtain carbo-nitrided steel material. Ammonia (NH3) is passed in the reactor at flow rate of 2.02.2NM3/hour. Quenching carbo-nitrided steel material in oil having temperature 5070°C followed by tempering at temperature 125 135°C to obtain case hardened steel material. The case hardened steel material is characterized by hardness 740-800 Vickers at 0.10.3mm depth on surface, carbo-nitrided depth 0.100.30mm from the surface of the case hardened steel material and has retained austenite content in range of 60±10% on surface.

No. of Pages: 12 No. of Claims: 4

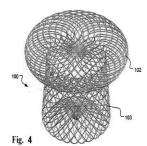
(22) Date of filing of Application :23/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: MEDICAL OCCLUSION DEVICE

(51) International classification	:A61B17/00,A61B17/12	(71)Name of Applicant :
(31) Priority Document No	:61/563161	1)OCCLUTECH HOLDING AG
(32) Priority Date	:23/11/2011	Address of Applicant :Vordergasse 3 CH 8201 Schaffhausen
(33) Name of priority country	:U.S.A.	Switzerland
(86) International Application No	:PCT/EP2012/073526	(72)Name of Inventor:
Filing Date	:23/11/2012	1)AKPINAR Mehmet Hakan
(87) International Publication No	:WO 2013/076276	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A medical implantable occlusion device (100 200 300) is disclosed comprising a braiding (101) of at least one thread the braiding having an unloaded relaxed state and a stretched state and comprising an expanded diameter portion (102) spanning a distal surface (180) forming the distal end (181) of said device wherein the braiding is continuous at the distal surface a tubular member (103) extending along a longitudinal axis (104) the tubular member having a distal portion (105) transitioning into the expanded diameter portion and an opposite proximal portion (106) wherein the tubular member is tapered towards the expanded diameter portion along the longitudinal axis.



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

(22) Date of filing of Application :16/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: OIL-COOLING SCREW COMPRESSOR

(51) International classification	:F24D	(71)Name of Applicant:
(31) Priority Document No	:2013- 129720	1)Kabushiki Kaisha Kobe Seiko Sho (Kobe Steel, Ltd.) Address of Applicant :of 2-4, Wakinohama-Kaigandori 2-
(32) Priority Date	:20/06/2013	chome, Chuo-ku, Kobe-shi, Hyogo 651-8585, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)KURODA, Kenji
Filing Date	:NA	2)YAMAGUCHI, Motonari
(87) International Publication No	: NA	3)OKUTA, Takuya
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		·

#### (57) Abstract:

In an oil-cooling screw compressor, a pressure boosting means that does not utilize a compression gas supplied to a compression gas demand facility via an oil recovery unit or the like is used as a pressure boosting means that feeds oil to a gear mechanism in a gear chamber and boosts the pressure in the gear chamber to push down an oil level in the gear chamber. Therefore, an oil-cooling screw compressor of the present invention includes a discharge side oil supply flow passage through which oil at a substantial discharge pressure is supplied to discharge side shaft seal portions and then the oil flowing out from the discharge side shaft seal portions is supplied to discharge side bearing portions, and a gear chamber oil supply flow passage through which the oil flowing out from the discharge side bearing portions is supplied to a gear mechanism of a gear chamber.

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

(22) Date of filing of Application :20/06/2014

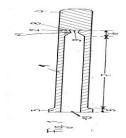
(43) Publication Date: 29/01/2016

# (54) Title of the invention: CONTACT PIN FOR HIGH-VOLTAGE CIRCUIT BREAKERS, METHOD FOR THE PRODUCTION THEREOF AND HIGH-VOLTAGE CIRCUIT BREAKER HAVING SUCH A CONTACT PIN

(51) 1	110111	
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:10 2013	1)Doduco GmbH
(31) I Hority Document No	106 727.1	Address of Applicant :of Im Altgefll 12, D-75181 Pforzheim,
(32) Priority Date	:26/06/2013	Germany Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)MOOG, Dirk
Filing Date	:NA	2)KRETZ, Willy
(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 contact pin for high-voltage circuit breakers has a jacket (1) that is made of copper and produced by extrusion, said jacket (1) having a forward end (2), a backward end (3) as well as an opening (9, 13) at both ends, with the clear cross-section of the opening (9) at the forward end (2) being smaller than the opening (13) at the backward end (3) of the jacket (1), wherein, in a section (6) of the jacket (1) disposed at the forward end (2) of the jacket (1), the wall thickness of the jacket (1) is in excess of that in a central section (7) of the jacket (1), without the outside dimensions of the jacket (1) being increased. The jacket (1) has a contact piece (4) attached to its forward end, said contact piece (4) consisting of a material which has a higher resistance than copper against the influence of electric arcs occurring while the high-voltage circuit breaker is switching. (Figure 1)



No. of Pages: 28 No. of Claims: 18

(21) Application No.2923/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :16/06/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention: SELF GOVERNED GEAR BOX

(51) International classification	:F16H	(71)Name of Applicant:
(31) Priority Document No	:NA	1)MURALEE KRISHNAN.C.R
(32) Priority Date	:NA	Address of Applicant :ASWATHY, CHERUKARA PO,
(33) Name of priority country	:NA	MALAPPURAM DISTRICT, PIN - 679 340 Kerala India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MURALEE KRISHNAN.C.R
(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 Self-Governed Gear Box (SGGB) functions as an automatic gear box system suitable for any power drive ranging from electrical to mechanical. This is an optimally-performed gear box system, in terms of power loss. The assembly is compact and simple with no additional elements other than gears. For the same reason, it is highly economical, easy to assemble and easy to maintain, with an expected ideal performance. Such a dynamic task of an automatic gear box system is achieved by implementing an algorithm enabling to sense the additional load applied at the input end, created by diverting a small quantity of power from the output end. This is in effect of inducing an engine disturbance as under-drive, under sub-optimum output rpm-torque conditions. As the engine disturbance introduced for sub-optimum output rpm-torque condition is a continuous governance mechanism, the input to output speed ratio assumed also will be continously variable transmission system.

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

(22) Date of filing of Application :20/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: A DIRECTLY CONTROLLED FUEL INJECTOR

(51) Intermetional alocalisation	.E02M	(71) Nome of Applicant
(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:NA	1)Robert Bosch Engineering and Business Solutions Limited
(32) Priority Date	:NA	Address of Applicant :123, Industrial Layout, Hosur Road,
(33) Name of priority country	:NA	Koramangala, Bangalore 560095, Karnataka, INDIA Karnataka
(86) International Application No	:NA	India
Filing Date	:NA	2)Robert Bosch GmbH
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)BORAH Nilutpal
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A directly controlled solenoid operated fuel injector 10 is disclosed. The fuel injector 10 comprises an inlet 14 to allow a high pressure fuel from a common rail and an outlet 26 to allow a low pressure leaked fuel from the fuel injector 10. The fuel injector 10 comprises a solenoid 12 to operate a fuel injector 10. The fuel injector 10 comprises a needle 16 movably positioned in the fuel injector to open and close the first and the second valves (27, 28), the needle 16 comprises a plurality of sections (18, 20, 22, 24) with different diameters. The plurality of sections (18, 20, 22, 24) sustains a tensile effect during injection when the high pressure fuel flows through the inlet 14 and to balance net axial force acting on the needle 16. Reference figure: Figure 1

No. of Pages: 9 No. of Claims: 4

(21) Application No.2956/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :18/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention : VIRTUAL FUEL SULFUR SENSOR TO IMPROVE THE HIGH SULFUR RESISTANCE OF SCR 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> </ul>	:F01N :61/841,076 :28/06/2013 :U.S.A. :NA :NA :NA :NA	,
. ,	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

An apparatus includes an exhaust aftertreatment system and a controller communicably coupled to the exhaust aftertreatment system. The controller is structured to monitor an exhaust aftertreatment parameter and determine that there is an amount of deterioration in a selective catalytic reduction system of the exhaust aftertreatment system based on the exhaust aftertreatment parameter being above a predetermined threshold.

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

(22) Date of filing of Application :18/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: EXPANDING MECHANISM IN PROXIMAL FEMUR PROSTHESIS

(51) International classification	:A61B	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MARIA CELESTINE JAYASINGH
(32) Priority Date	:NA	Address of Applicant :NO.9/4, FLAG STAFF STREET,
(33) Name of priority country	:NA	ROYPURAM, CHENNAI - 600 013 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MARIA CELESTINE JAYASINGH
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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#### (57) Abstract:

The expanding mechanism of proximal femur prosthesis consist of a angle bore in hosuing to provide fixing of femur head four major parts such as (a). Housing, (b). Worm gear assembly, (c). Worm shaft assembly and (d) expanding shaft with stem. The housing of proximal femur consists of a vertical bore and a horizontal bore near top of the vertical bore. The worm shaft with thrust cup bearing goes into the vertical bore and seated. The worm gear with thrust cup bearing entered through the horizontal bore and meshing with the grooves of the gear in worm shaft. The spares of thrust spacer, nut, lock washer and lock nut fitted with the worm gear and the housing threaded portion. A keyway slot of expanding shaft is fitted with a screw to allow the entire system give vertical movement and arrest the side movements to the intramedullary canal of the femur bone

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

(22) Date of filing of Application: 18/06/2014 (43) Publication Date: 29/01/2016

## (54) Title of the invention: ORGANIC ELECTROLYTE AND ORGANIC ELECTROLYTE STORAGE BATTERY

(51) International classification :H01M10/056 (31) Priority Document No :2011282131 (32) Priority Date :22/12/2011 (33) Name of priority country :Japan

(86) International Application No :PCT/JP2012/082791 Filing Date :18/12/2012 (87) International Publication No :WO 2013/094602

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to Application
Number
:NA
:NA
:NA

:H01M10/0567,H01M10/052 | (71)Name of Applicant :

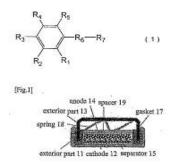
1)JX NIPPON OIL & ENERGY CORPORATION
Address of Applicant :6 3 Otemachi 2 chome Chivoda ku

Tokyo 1008162 Japan (72)Name of Inventor: 1)NISHIZAWA Takeshi 2)OMARU Atsuo

#### (57) Abstract:

Filing Date

1567Provided is an organic electrolyte which is capable of improving the initial storage capacity of an organic electrolyte storage battery thereby affecting the possible travel distance of an electric vehicle. The organic electrolyte is characterized by including a compound that does not have a rotational symmetry axis from among the compounds represented by formula (1) (in formula (1): R R each independently represent hydrogen a C1 4 straight chain or branched alkyl group a halogen including C1 4 straight chain or branched alkylene group or a halogen; R represents a C1 4 straight chain or branched alkylene group or a halogen including C1 4 straight chain or branched alkylene group; and R represents a phenyl group attached to a non substituent or substituent group (a C1 4 straight chain or branched alkyl group or a halogen)).



No. of Pages: 61 No. of Claims: 11

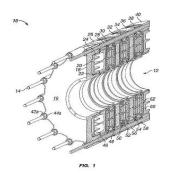
(22) Date of filing of Application :23/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: LIQUID COOLED BRAKE ASSEMBLY WITH REMOVABLE HEAT TRANSFER INSERT

<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 Filing Date</li> </ul>	:F16D65/10 :61/585947 :12/01/2012 :U.S.A. :PCT/US2013/020042 :03/01/2013 :WO 2013/106224 :NA :NA :NA	(71)Name of Applicant:  1)OIL STATES INDUSTRIES INC.  Address of Applicant:7701 A S. Cooper St. Arlington TX 76001 U.S.A. (72)Name of Inventor:  1)MCCLINTIC Barry S.
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#### (57) Abstract:

A brake for a rotating member is disclosed. The brake is used with a liquid coolant and includes a housing for containing the liquid a stationary element disposed in the housing a wear plate disposed on the stationary element a friction element coupled to the rotating member for contacting the wear plate and a removable heat transfer insert disposed adjacent the wear plate and in fluid communication with the coolant the heat transfer insert consisting of a non galvanic material.



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

(22) Date of filing of Application :20/06/2014

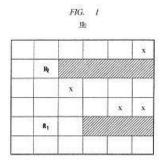
(43) Publication Date: 29/01/2016

## (54) Title of the invention: DISCOVERY AND MONITORING OF AN ENVIRONMENT USING A PLURALITY OF ROBOTS

<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>	:G06G7/78 :13/348846 :12/01/2012 :U.S.A. :PCT/US2012/066576 :27/11/2012 :WO 2013/106135 :NA :NA :NA	(71)Name of Applicant:  1)INTERNATIONAL BUSINESS MACHINES CORPORATION  Address of Applicant: New Orchard Road Armonk NY 10504 U.S.A. (72)Name of Inventor:  1)GUO Shang Q.  2)ISCI Canturk  3)LENCHNER Jonathan  4)MUKHERJEE Maharaj
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#### (57) Abstract:

Techniques are provided for discovery and monitoring of an environment using a plurality of robots. A plurality of robots navigate an environment by determining a navigation buffer for each of the robots; and allowing each of the robots to navigate within the environment while maintaining a substantially minimum distance from other robots wherein the substantially minimum distance corresponds to the navigation buffer and wherein a size of each of the navigation buffers is reduced over time based on a percentage of the environment that remains to be navigated. The robots can also navigate an environment by obtaining a discretization of the environment to a plurality of discrete regions; and determining a next unvisited discrete region for one of the plurality of robots to explore in the exemplary environment using a breadth first search. The plurality of discrete regions can be for example a plurality of real or virtual tiles.



No. of Pages: 37 No. of Claims: 25

(22) Date of filing of Application :26/06/2012 (43) Publication Date : 29/01/2016

# (54) Title of the invention : DIMENSIONALLY STABLE NONWOVEN FIBROUS WEBS AND METHODS OF MAKING AND USING THE SAME

(51) International classification	:B32B27/00,	(71)Name of Applicant :
(31) Priority Document No	:61/287,698	1)3M INNOVATIVE PROPERTIES COMPANY
(32) Priority Date	:17/12/2009	Address of Applicant :3M CENTER, POST OFFICE BOX
(33) Name of priority country	:U.S.A.	33427, SAINT PAUL, MINNESOTA 55133-3427 U.S.A.
(86) International Application No	:PCT/US2010/060957	(72)Name of Inventor:
Filing Date	:17/12/2010	1)MOORE, ERIC M.
(87) International Publication No	:WO 2011/084670 A1	2)STELTER, JOHN, D.
(61) Patent of Addition to Application	:NA	3)BERRIGAN, MICHAEL R.
Number	:NA	4)PORBENI, FRANCIS E.
Filing Date	.IVA	5)SCHOLZ, MATTHEW T.
(62) Divisional to Application Number	:NA	6)FENNESSEY, SIAN F.
Filing Date	:NA	7)JENNEN, JAY, M.

#### (57) Abstract:

Dimensionally stable nonwoven fibrous webs include a multiplicity of continuous fibers formed from one or more thennoplastic polyesters and polypropylene in an amount greater than 0% and no more than 10% by weight of the web. The webs have at least one dimension which decreases by no greater than 10% in the plane of the web when heated to a temperature above a glass transition temperature of the fibers. A spimbond process may be used to produce substantially continuous fibers that exhibit molecular orientation. A meltblown process may be used to produce discontinuous fibers that do not exhibit molecular orientation. The webs may be used as articles for filtration, sound absorption, thermal insulation, svirface cleaning, cellular growth support, drug delivery, personal hygiene, medical apparel, or wound dressing.

No. of Pages: 102 No. of Claims: 20

(21) Application No.2912/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :16/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention : A MASS RAPID TRANSIT SYSTEM (MRTS) ON CITY STREETS ALTERNATE TO BUSES AND TRAINS

(51) International classification	:B60M	(71)Name of Applicant:
(31) Priority Document No	:NA	1)RAMANATHAN BALASUBRAMANIAN
(32) Priority Date	:NA	Address of Applicant :VASAVI R&D CENTRE, NO. 2,
(33) Name of priority country	:NA	KALAIVANAR CROSS ROAD, BELOW CELLPHONE
(86) International Application No	:NA	TOWER, ORAGADAM, AMBATTUR (HPO), CHENNAI - 600
Filing Date	:NA	053 Tamil Nadu India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)RAMANATHAN BALASUBRAMANIAN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

ABSTRACT: This invention of mass rapid transit system (MRTS) consists of a wallway along side of street and vehicles that roll on slanting wallway to move vehicle forward guiding it with help of rolling discs entering into grooves at bottom of wallway, electric power being transmitted to the on-board electric motor through sliding contact with the live points embedded deep inside groove at top of the wallway.

No. of Pages: 5 No. of Claims: 1

(21) Application No.2913/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :16/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: REYNOLD NUMBER AND BLOOD PRESSURE

(51) International classification	:F04D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)R. VELMURUGAN
(32) Priority Date	:NA	Address of Applicant :146/5, NORTH DTREET,
(33) Name of priority country	:NA	SENGAMEDU (VILL), AVINANGUDI (OPP), TITTAGUDI
(86) International Application No	:NA	(T.K), CUDDALORE (DT) - 606 112 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)R. VELMURUGAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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## (57) Abstract:

ABSTRACT Reynold number relation exist for liquid flow in a pipe ,blood also a liquid flow in blood vessel thus Reynold number relation can be used to calculate blood pressure above written facts are abstract of invention.

No. of Pages: 5 No. of Claims: 1

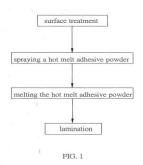
(22) Date of filing of Application :19/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: ADHESION PROCESSING METHOD FOR SHOES

(51) International classification	:A43B	(71)Name of Applicant:
(31) Priority Document No	:103110569	1)Cherng Tay Technology Co., LTD.
(32) Priority Date	:20/03/2014	Address of Applicant :of NO.88, Zhongshan S. Rd., Luzhu
(33) Name of priority country	:Taiwan	Dist, Kaohsiung City 821, Taiwan (R.O.C.), Republic Of China
(86) International Application No	:NA	Taiwan
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)WANG, Shen Yi
(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 is related to shoe parts adhesion processing method having steps of (1) surface treatment, (2) spraying a hot melt adhesive powder, (3) melting the hot melt adhesive powder and (4)lamination. The surface treatment may be a vacuum plasma treatment or ion bombardment. Spraying the hot melt adhesive powder may use an electro-static spraying method. Thus, a totally or partially dry adhesion method is provided for an outer sole and mid-sole of a shoe. Harmful organic solvent used in the prior art may be completely replaced, thus a safety-working environment of a shoe manufacture is achieved. Fig. 1



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

(22) Date of filing of Application :23/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention : METHOD AND APPARATUS FOR MEASURING PHOSPHORYLATION KINETICS ON LARGE ARRAYS

<ul> <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</li></ul>	:C12Q1/48,C12N9/12,G01N33/68 :61/570492 :14/12/2011 :U.S.A. :PCT/US2012/069143 :12/12/2012 :WO 2013/090364 :NA :NA	(71)Name of Applicant:  1)ARIZONA BOARD OF REGENTS  Address of Applicant: 1475 North Scottsdale Road Scottsdale Arizona 85257 3538 U.S.A. (72)Name of Inventor:  1)LINDSAY Stuart 2)LABAER Joshua
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

inter alia The disclosure provides for methods and apparatuses relating to technology for monitoring chemical and/or biological reactions. Some methods provided herein relate to utilization of NAPPA technology to create large protein arrays suitable for use in combination with various ISFET arrays to enable massive parallel assays of kinase activity and inhibition. Some devices provided herein relate to CMOS chips which utilize the NAPPA array technology to build protein inventories of interest upon an ISFET architecture. Further devices provided herein are capable of processing the arrays created by the combination of NAPPA technology and ISFET architecture.

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

(21) Application No.2906/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :13/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: BRAKING SYSTEM FOR A VEHICLE

(51) T	D <0.00	(71) 1
(51) International classification	:B60T	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Robert Bosch Engineering and Business Solutions Limited
(32) Priority Date	:NA	Address of Applicant :123, Industrial Layout, Hosur Road,
(33) Name of priority country	:NA	Koramangala, Bangalore 560095, Karnataka, INDIA Karnataka
(86) International Application No	:NA	India
Filing Date	:NA	2)Robert Bosch GmbH
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)HADLI Prakash
Filing Date	:NA	2)HEGDE Sampat
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A hydraulic braking system 100 for a vehicle is disclosed. The hydraulic braking system 100 comprises at least one brake 102 for at least one wheel 200 of the vehicle; a master cylinder 101 hydraulically connected to the at least one brake 102 via a hydraulic connection line 103; characterized in that a valve 104 in the hydraulic connection line 103 between the master cylinder 101 and the brake 102; and an input means 105 associated with said valve 104 to allow the user of the vehicle to close the valve 104 when the brake pedal 300 is in an operated state to brake the wheel 200, thereby trapping the hydraulic pressure in the brake 102. Reference figure: Figure 1

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

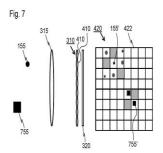
(22) Date of filing of Application :13/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: METHOD AND APPARATUS FOR OPTICAL 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> <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	(71)Name of Applicant:  1)NOKIA CORPORATION Address of Applicant: Karakaari 7, 02610 Espoo, Finland Finland (72)Name of Inventor: 1)Mithun Uliyar 2)Basavaraja S V 3)Gururaj Gopal Putraya 4)Pushkar Prasad Patwardhan
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#### (57) Abstract:

ABSTRACT METHOD AND APPARATUS FOR OPTICAL COMMUNICATION A method, apparatus and computer program for controlling a digital microlens array camera to obtain a sequence of images each comprising microimages captured by respective microlenses; for determining in each of the images a set of diffused microimages in which an optical communication light source is diffused over each of the microimages of the set; and for decoding optically communicated information from the set. Fig. 7



No. of Pages: 25 No. of Claims: 18

(21) Application No.3052/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :20/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: BRAKING SYSTEM FOR A VEHICLE

(51) International classification	.D65U	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Robert Bosch Engineering and Business Solutions Limited
(32) Priority Date	:NA	Address of Applicant :123, Industrial Layout, Hosur Road,
(33) Name of priority country	:NA	Koramangala, Bangalore 560095, Karnataka, INDIA Karnataka
(86) International Application No	:NA	India
Filing Date	:NA	2)Robert Bosch GmbH
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)KOLANDAI SWAMY Francis Bosekutty
Filing Date	:NA	2)JAYASINGH Jayabal
(62) Divisional to Application Number	:NA	3)MURUGAN Pradeep Kumar
Filing Date	:NA	

#### (57) Abstract:

A braking system (100) for a vehicle with at least two driven wheels (103a, 103b) driven by an engine of the vehicle is disclosed. The braking system (100) comprising a brake (102a, 102b) for each of the driven wheels (103a, 103b) to brake the driven wheel (103a, 103b); characterized in that an input means (101a, 101b) associated with each of the brakes (102a, 102b) to allow a user of the vehicle to brake one of the at least two driven wheels (103a, 103b) independent of the other of the at least two driven wheels (103a, 103b).

No. of Pages: 16 No. of Claims: 5

(21) Application No.4540/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application: 18/06/2014 (43) Publication Date: 29/01/2016

# (54) Title of the invention: FULLY INSULATED EXHAUST TREATMENT DEVICE

(51) International classification :F01N3/10,F01N3/28,F01N13/14 (71)Name of Applicant:

:03/01/2013

(31) Priority Document No :61/582929 (32) Priority Date :04/01/2012 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2013/020020

No Filing Date

(87) International Publication No:WO 2013/103638

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)TENNECO AUTOMOTIVE OPERATING COMPANY

INC.

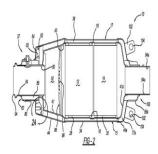
Address of Applicant :500 North Field Drive Lake Forest

Illinois 60045 U.S.A. (72) Name of Inventor:

1)WIKARYASZ Megan 2)THOMPSON Rick

# (57) Abstract:

An exhaust treatment device includes an insulation material positioned between an inner shell and an outer shell. An inlet tube has an end in communication with a cavity defined by the inner shell. A substrate for treating engine exhaust is positioned within the inner shell. A cast metal mounting ring is positioned between the inner and outer shells and includes a mounting provision for receipt of a fastener.



No. of Pages: 13 No. of Claims: 20

(22) Date of filing of Application :04/05/2009 (43) Publication Date : 29/01/2016

# (54) Title of the invention: NOVEL PROCESS FOR THE PREPARATION OF CISATRACURIUM BESYLATE

(51) International classification	:CO7D217/20	(71)Name of Applicant :
(31) Priority Document No	:NA	1)GLAND PHARMA LTD
(32) Priority Date	:NA	Address of Applicant :6-3-865/1/2-FLAT NO: 201,
(33) Name of priority country	:NA	GREENLAND APARTMENTS, AMEERPET, HYDERABAD,
(86) International Application No	:NA	ANDHRA PRADESH, 500016 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DR.GOLAGUNTA NADAMUNI
(61) Patent of Addition to Application Number	:NA	2)DR. CHIDAMBARAM SUBRAMANIAN VENKATESAN
Filing Date	:NA	3)SINGARAM SATHIYANARAYANAN
(62) Divisional to Application Number	:NA	4)BOJA VENUGOPAL RAO
Filing Date	:NA	

⁽⁵⁷⁾ Abstract:

The present invention is related to a novel process for the preparation of cisatracurium besylaie, more particularly optically and geometrically pure cisatracurium besylate in large scale.

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

(22) Date of filing of Application :20/06/2014

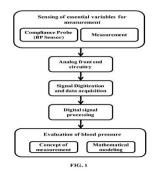
(43) Publication Date: 29/01/2016

# (54) Title of the invention : : A CALIBRATION FREE METHOD FOR NON-INVASIVE, CUFF LESS EVALUATION OF BLOOD PRESSURE OF A SUBJECT

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:A61B 5/00 :NA
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#### (57) Abstract:

ABSTRACT Embodiments herein disclose a method and system for cuff-less blood pressure (BP) measurement of a subject. The method includes measuring, by one or more sensors, a local pulse wave velocity (PWV) and/or blood pulse waveforms of an arterial wall of the subject. Further, the method includes measuring, by an ultrasound transducer, a change in arterial dimensions over a cardiac cycle of the arterial wall of the subject. The arterial dimensions include an arterial distension and an end-diastolic diameter. Furthermore, the method includes measuring, by a controller unit, BP of the subject based on the local PWV and the change in arterial dimensions. FIG. 1



No. of Pages: 63 No. of Claims: 21

(22) Date of filing of Application :20/06/2014

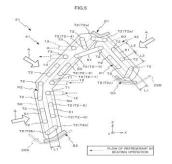
(43) Publication Date: 29/01/2016

# (54) Title of the invention: INDOOR HEAT EXCHANGER, INDOOR MACHINE, OUTDOOR HEAT EXCHANGER, OUTDOOR MACHINE, AND AIR CONDITIONER

(51) International classification	:F28F	(71)Name of Applicant:
(31) Priority Document No	:2013-	1)MITSUBISHI ELECTRIC CORPORATION
(31) Friority Document No	151090	Address of Applicant :of 7-3, Marunouchi 2-chome, Chiyoda-
(32) Priority Date	:19/07/2013	ku, Tokyo 100-8310, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)ADACHI, Yusuke
Filing Date	:NA	2)NAGAI, Hironori
(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 object of the invention is to suppress lowering of the cooling and heating capabilities and operation efficiency of air conditioners while suppressing the production costs. The indoor heat exchanger 21 of the indoor machine of an air conditioner includes a front-side fin unit 41 that comprises a plurality of fins arranged side by side; a seal material S1 that is arranged at +Z side end of the front-side fin unit so as to prevent air from flowing out from the +Z side end; and, a plurality of heat transfer tubes T that are arranged to penetrate through the fins of the front-side fin unit 41. The heat transfer tubes T include: an inlet heat transfer tube T1 that is connected to inlet piping 12 of refrigerant that circulates through a refrigerating cycle when the refrigerating cycle is a heating operation cycle; and a relay heat transfer tube T2a through which the refrigerant that is flowed out from the inlet heat transfer tube T1 flows and that is arranged nearer the seal material S1 than the inlet heat transfer tube T1 is. Selected Drawing FIG. 5



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

(21) Application No.2939/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :17/06/2014 (43) Publication Date : 29/01/2016

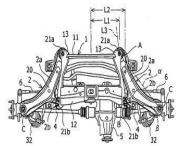
# (54) Title of the invention: FRONT SUSPENSION DEVICE

(51) International classification	:B60G	(71)Name of Applicant:
(31) Priority Document No	:2013- 134985	1)SUZUKI MOTOR CORPORATION Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:27/06/2013	Hamamatsu-shi, Shizuoka-Ken, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Koji YUASA
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:

# FRONT SUSPENSION DEVICE





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

(22) Date of filing of Application :20/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: AUTOMOTIVE DOOR CHECK APPARATUS WITH VARIABLE OPERATING EFFORT

(51) International classification	:E05C	(71)Name of Applicant :
(31) Priority Document No	:NA	1)V. SARANRAJ
(32) Priority Date	:NA	Address of Applicant :2/184 PILLAVADIKKOLLAI,
(33) Name of priority country	:NA	KASANGADU (PO), PATTUKOTTAI (TK), THANJAVUR -
(86) International Application No	:NA	614 613 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)V. SARANRAJ
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

ABSTRACT: An automotive door checker arm apparatus comprises an arm and a slider, wherein the arm is connectable to a bracket mounted on an automotive body through a bracket pin, the slider is fixable on an automotive door and is in sleeve connection with the arm, pair of plastic detents with one or more compression rubber springs in the middle, are arranged in the slotted holes provided in the arm. When the automotive door is opened or closed, the slider rides over the surface of the arm and can only cross a detent if the door is pulled or pushed with enough force to overcome the restoring force of the rubber springs. The design and development time of the checker arm can be greatly reduced by having complete control over the operating effort. By varying the hardness of the rubber spring, the spring restoring force can be varied and thus the desirable operating effort required to open or close the door can be achieved easily without much change in the design.

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

(22) Date of filing of Application :18/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: METHOD OF IMPROVING SHEET RESISTIVITY OF PRINTED CONDUCTIVE INKS

		(71)Name of Applicant:
(51) International classification	:H05K	1)XEROX CORPORATION
(31) Priority Document No	:13/925,438	Address of Applicant :of 45 Glover Avenue, P.O. Box 4505,
(32) Priority Date	:24/06/2013	Norwalk, Connecticut 06856-4505, USA U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:NA	1)IFTIME, Gabriel
Filing Date	:NA	2)WU, Yiliang
(87) International Publication No	: NA	3)CHOPRA, Naveen
(61) Patent of Addition to Application Number	:NA	4)VONG, Cuong
Filing Date	:NA	5)D'AMATO, Michael J.
(62) Divisional to Application Number	:NA	6)GARDNER, Sandra J.
Filing Date	:NA	7)HALFYARD, Kurt I.
		8)COTE, Adrien, P.

#### (57) Abstract:

A method of forming a printed pattern on a substrate includes printing a pattern onto the substrate with a conductive ink including a conductive material, a thermoplastic binder and a solvent, curing the printed pattern, and fusing the printed pattern by feeding the printed pattern through a fusing system operated at a temperature of about 20°C to about 130°C above the glass transition temperature of the thermoplastic binder and at least 120°C at a minimum, a pressure of from about 50 psi to about 1500 psi, and a feed rate through the fusing system of about 1 m/min to about 100 m/min. The method may be done continuously. The method improves the sheet resistivity of the printed ink.

No. of Pages: 23 No. of Claims: 8

(21) Application No.2908/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :13/06/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention : A PROCESS FOR MANUFACTURING DIPPED LATEX PRODUCTSFREE FROM CASEIN AND ANY ANIMAL DERIVED INGREDIENTS AND PRODUCTS THEREOF

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:NA	1)TTK Protective Devices Limited
(32) Priority Date	:NA	Address of Applicant :No. 6, Cathedral Road, Chennai
(33) Name of priority country	:NA	600086, India Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)JAGANNATHAN, Srinivasan
(87) International Publication No	: NA	2)BALASUBRAMANIAN, N
(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 a process for manufacturing of dipped latex products without using any animal derived ingredients and dipped latex products produced by said process. The disclosed process successfully over comes drawbacks of drop in product yield (due to coagulum formation) and burst pressures caused by absence of casein in latex formulation. Therefore, the dipped latex products so produced through the process have final composition similar to that of any other dipped latex products with casein except for absence of casein and having 0.8 phr of Sulphur as against 0.6 phr of Sulphur in routine manufacturing. The products also exhibit physical properties similar to that of any other dipped latex products with casein, such as burst pressure and burst volume.

No. of Pages: 30 No. of Claims: 13

(22) Date of filing of Application: 18/06/2014 (43) Publication Date: 29/01/2016

:NA

:NA

## (54) Title of the invention: IMPROVEMENTS IN OR RELATING TO SEWING MACHINE ASSEMBLIES

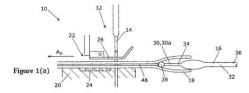
:D05B23/00,D05B35/06 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)MONTFORT SERVICES SDN. BHD. :1120923.6 (32) Priority Date Address of Applicant: Unit 1001 10th Floor Star House 3 :06/12/2011 (33) Name of priority country Salisbury Road Tsimshatsui Kowloon Hong Kong China :U.K. (86) International Application No (72) Name of Inventor: :PCT/GB2012/053003 Filing Date 1)STURMAN Richard :04/12/2012 (87) International Publication No :WO 2013/083968 (61) Patent of Addition to Application :NA :NA Filing Date

(57) Abstract:

Filing Date

(62) Divisional to Application Number

WP1WPIn the field of sewing machine assemblies there is a need to improve the accuracy with which it is possible to position a support member relative to an associated textile work piece. A sewing machine assembly (10) for securing a support member (16) which has first and second portions (30 32) which differ from one another within a casing member (18) and subsequently securing the support member (16) and casing member (18) combination to a textile work piece (44) comprises a needle assembly (12) and a sensor (28). The needle assembly (12) includes at least one needle (14) that is selectively movable through a needle plate (20) which in use supports a casing member (18) and a textile work piece (44). The needle assembly (12) also includes a controller to control movement of the or each needle (14) through the needle plate (20) to selectively drive a corresponding sewing thread through at least the casing member (18). The or each needle (14) while extending through the needle plate (20) defines a work piece datum (D). The controller further controls advancement of at least the casing member (18) through the needle assembly (12). The sensor (28) is arranged in communication with the controller and lies spaced from the work piece datum by a predetermined distance (D). The sensor (28) in use detects a transition (42) between first and second differing portions (30 32) of a support member (16) which lies within a casing member (18) that is supported by the needle plate (20). The sensor (28) communicates detection of such a transition (42) to the controller whereby the controller inhibits advancement of the casing member (18) and the support member (16) through the needle assembly (12) to position the transition (42) relative to the work piece datum (D).



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

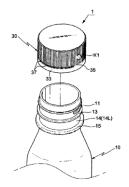
(22) Date of filing of Application :10/05/2010 (43) Publication Date : 29/01/2016

# (54) Title of the invention: CONTAINER WITH ANTI-LOSS AND ANTI-IDLE-ROTATION CAP

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:B65D41/34 :10-2007-0102064 :10/10/2007	(71)Name of Applicant:  1)BEST EASY CAP CO., LTD.  Address of Applicant: 1F BEST BLDG., 56-14, WONMI-
(33) Name of priority country	:Republic of Korea	DONG WONMI-GU, BUCHEON-SI, GYEONGGI-DO 420-837,
(86) International Application No Filing Date	:PC1/KR2008/005932 :09/10/2008	KOREA Republic of Korea (72)Name of Inventor:
(87) International Publication No (61) Patent of Addition to Application	:WO/2009/048273	1)KWON, SI JOONG
Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A container with an anti-loss and anti-idle-rotation cap is disclosed. The container is constructed so that a cap is fastened to a container body in a threaded manner. The container body has a ring stopping step provided under a threaded part of a spout to prevent removal of the cap, a support step provided under the ring stopping step to be spaced apart therefrom, and a support ring seat provided between the ring stopping step and the support step. The cap includes a support ring, a cap body and a hinge part which are integrally connected to each other. The support ring is placed on the support ring seat to prevent the removal and idle rotation of the cap. The cap body opens or closes the container body and has on an inner circumference thereof a threaded part. The hinge part couples the support ring with the cap body.



No. of Pages: 34 No. of Claims: 14

(21) Application No.1897/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 17/06/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: METHODS AND COMPOSITIONS RELATING TO CRM197

(51) International :A61K47/48,C07K14/34,C12N15/73 classification :61/746,366

(31) Priority Document No :61//46,366 (32) Priority Date :27/12/2012 (33) Name of priority

country :U.S.A.

(86) International Application No :PCT/EP2013/077968

Application No Filing Date :24/12/2013

(87) International Publication: WO 2014/102265

(61) Patent of Addition to
Application Number :NA

Application Number :NA :NA (62) Divisional to :NA

(62) Divisional to
Application Number
Filing Date
:NA

(71)Name of Applicant: 1)GLYCOVAXYN AG

Address of Applicant :Grabenstrasse 3, CH-8952 Schlieren

Switzerland

2)EIDGENÖSSISCHE MATERIALPRÜFUNGS-UND

**FORSCHUNGSANSTALT** (72)**Name of Inventor:** 

1)IHSSEN, Julian 2)KOWARIK, Michael

3)THÖNY-MEYER, Linda Christiane

## (57) Abstract:

The present invention provides novel methods of producing diphtheria toxin. In particular, the present invention provides novel methods of producing nontoxic forms of diphtheria toxin, e.g., CRM197. The present invention also provides novel compositions comprising diphtheria toxin or nontoxic forms of diphtheria toxin, e.g., CRM197

No. of Pages: 41 No. of Claims: 24

(21) Application No.1898/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 17/06/2015 (43) Publication Date: 29/01/2016

(54) Title of the invention: VEHICLE

(51) International classification: B62K5/05,B62K5/027,B62K5/08 (71) Name of Applicant:

:WO 2014/098199

(31) Priority Document No :2012277220 (32) Priority Date :19/12/2012

(33) Name of priority country :Japan

(86) International Application :PCT/JP2013/084149

No

:19/12/2013 Filing Date

(87) International Publication

(61) Patent of Addition to

:NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)YAMAHA HATSUDOKI KABUSHIKI KAISHA

Address of Applicant :2500 Shingai Iwata shi Shizuoka

4388501 Japan

(72) Name of Inventor:

1)TAKANO Kazuhisa

#### (57) Abstract:

The objective of the present invention is to provide a vehicle which is equipped with an inclinable body frame and two front wheels and which can maintain the performance of a link mechanism while inhibiting the enlargement of a structure around the steering shaft above the two front wheels. A vehicle (1) is equipped with an inclinable body frame and a right front wheel and a left front wheel. An upper cross part (51) and a lower cross part (52) of a link mechanism (5) each include components of a piece the right end part and the left end part of which are supported by side parts and the middle part of which is supported by the body frame. The shapes of the upper cross part (51) and the lower cross part (52) are different. In this vehicle (1) with respect to the amount (X1) of upper right displacement and the amount (X2) of upper left displacement when the lower cross part (52) is detached and rearwards test force is applied to an upper left bearing and an upper right bearing supporting the upper cross part (51) and the amount (X3) of lower right displacement and the amount (X4) of lower left displacement when the upper cross part (51) is detached and the rearwards test force is applied to a lower left bearing and an lower right bearing supporting the lower cross part (52) X1 and X2 are the same X3 and X4 are the same X1 and X3 are different and X2 and X4 are different.

No. of Pages: 107 No. of Claims: 13

(21) Application No.1899/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 17/06/2015 (43) Publication Date: 29/01/2016

(54) Title of the invention: VEHICLE

(51) International classification :B62K5/05,B62K5/027,B62K5/08 (71) Name of Applicant :

(31) Priority Document No :2012277220 (32) Priority Date :19/12/2012

(33) Name of priority country :Japan

(86) International Application :PCT/JP2013/084146

:19/12/2013 Filing Date

(87) International Publication :WO 2014/098197

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)YAMAHA HATSUDOKI KABUSHIKI KAISHA Address of Applicant: 2500 Shingai Iwata shi Shizuoka

4388501 Japan

(72) Name of Inventor: 1)TAKANO Kazuhisa

#### (57) Abstract:

The objective of the present invention is to provide a vehicle which is equipped with an inclinable body frame and two front wheels and which can maintain the performance of a link mechanism while increasing the degree of freedom in the design of the link mechanism. A vehicle (1) is equipped with an inclinable body frame and a right front wheel and a left front wheel. An upper cross part and a lower cross part of a link mechanism (5) each include components of a piece the right end part and the left end part of which are supported by side parts and the middle part of which is supported by the body frame. In this vehicle (1) the amount (X1) of upper right displacement and the amount (X2) of upper left displacement when the lower cross part (52) is detached and rearwards test force is applied to a lower left support part and a lower right support part supporting a lower cross member (52) are larger than the amount (X3) of lower right displacement and the amount (X4) of lower left displacement when the upper cross part (51) is detached and a force in the same direction and having the same strength is applied to an upper left support part and an upper right support part supporting an upper cross member (51).

No. of Pages: 117 No. of Claims: 15

(21) Application No.1893/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :17/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: IDENTIFYING NATED DEVICES FOR DEVICE SPECIFIC TRAFFIC FLOW STEERING

<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 Filing Date</li> </ul>	:H04L29/12 :61/729395 :22/11/2012 :U.S.A. :PCT/IB2013/060317 :21/11/2013 :WO 2014/080364 :NA :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) Address of Applicant:S 164 83 Stockholm Sweden (72)Name of Inventor: 1)KRISHNAN Suresh 2)SHIRAZIPOUR Meral 3)TRUCHAN Catherine
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#### (57) Abstract:

The present disclosure describes methods and apparatus for differentiating subscriber devices of a subscriber hidden by a network address translation device and enables traffic flow steering on a per device basis rather than a per subscriber basis. Identification of subscriber devices is achieved by assigning a reserved set of external ports to each subscriber device. Different service paths can be defined for different subscriber devices to provide a subscriber with a different experience for each subscriber device of the subscriber.

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

(21) Application No.1894/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :17/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: HIGH WET FAST DISPERSE DYE MIXTURES

<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 Filing Date</li> </ul>	:C09B67/22 :13151174.3 :14/01/2013 :EPO :PCT/EP2014/050067 :06/01/2014 :WO 2014/108357 :NA :NA :NA	(71)Name of Applicant:  1)DYSTAR COLOURS DISTRIBUTION GMBH Address of Applicant: Am Prime Parc 10 12 65479 Raunheim Germany (72)Name of Inventor: 1)VERMANDEL Fanny 2)MURGATROYD Adrian 3)GRUND Clemens 4)HOPPE Manfred 5)WEINGARTEN Ulrich
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(57) Abstract:

This invention relates to disperse azo dye mixtures which have Navy or Black colour and are AOX free.

No. of Pages: 40 No. of Claims: 11

(22) Date of filing of Application: 17/06/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: NUMBER PORTABILITY BASED ON LINE ACCOUNTING METHOD DEVICE AND 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> </ul>	:H04W4/24,H04W8/28 :201210554623.4 :19/12/2012 :China :PCT/CN2013/080689 :02/08/2013 :WO 2014/094435 :NA :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD.  Address of Applicant: Huawei Administration Building Bantian Longgang Shenzhen Guangdong 518129 China (72)Name of Inventor:  1)ZUO Jun
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention relates to the technical field of communication in particular to a number portability based on line accounting method. When a calling party UE in an IMS network starts a calling to a called UE an AS in the IMS network inquires the number portability information corresponding to the number of the called UE in a NPDB server after receiving an invite message transmitted by a CSCF entity in the IMS network and transmits the number of the calling UE and the inquired number portability information to an OCS in the IMS network by an initial CCR message so that the OCS can account and authenticate the calling UE according to the number portability information and the number of the calling UE. By the method provided by the embodiments of the present invention when the called UE changes a contract signing network and subscribes for a NP business the OCS can correctly carry out the accounting and the authenticating on the called UE.

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

(22) Date of filing of Application: 17/06/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: COMMUNICATION METHOD AND DEVICE FOR UE AND COMMUNICATION 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04W76/02 :NA :NA :NA :PCT/CN2012/086358 :11/12/2012 :WO 2014/089756 :NA :NA :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD.  Address of Applicant: Huawei Administration Building Bantian Longgang District Shenzhen Guangdong 518129 China (72)Name of Inventor:  1)LI Bingzhao  2)GUO Xiaolong  3)LI Yue  4)YANG Fei
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#### (57) Abstract:

Provided are a communication method and device for a UE and a communication system. The method comprises: after joining a UE group a UE acquiring short distance wireless communication network address information and a group identifier of the UE the group identifier being the identifier of the UE group and each UE in the UE group joining one and the same short distance wireless communication network; the UE reporting the group communication capability information and the group identifier of the UE to a cellular network access device and receiving cellular network identifier information allocated by the cellular network access device; and the UE acquiring short distance wireless communication network address information and cellular network identifier information about other UEs in the UE group or reporting the short distance wireless communication network address information about the UE to a routing device in the short distance wireless communication network so that the routing device in the short distance wireless communication network address information and the cellular network identifier information about each UE in the UE group.

No. of Pages: 65 No. of Claims: 34

(21) Application No.1901/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :17/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: EFFICIENT HIGH AVAILABILITY STORAGE SYSTEMS

(32) Priority Date       :31/12/2012       Ad         (33) Name of priority country       :U.S.A.       Bantia         (86) International Application No       :PCT/CN2013/090939       (72)Na         Filing Date       :30/12/2013       1)SE         (87) International Publication No       :WO 2014/101872       2)XU	Address of Applicant :Huawei Administration Building untian Longgang Shenzhen Guangdong 518129 China
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### (57) Abstract:

A server configured to form part of a data protection group wherein the server comprises a memory a transceiver configured to receive a request to store a data file from another device and a processor coupled to the memory and the transceiver and configured to acquire the request to store a data file write the data file to a container in the memory and encode the container contents when the container becomes full to generate a plurality of encoded blocks wherein the transceiver is further configured to distribute the plurality of encoded blocks over peer servers in the data protection group.

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

(21) Application No.1902/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 17/06/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention : METHOD AND DEVICE FOR ELIMINATING INTERFERENCE BETWEEN TRANSMISSION CHANNELS OF TRANSMITTER

(51) International classification (71)Name of Applicant: :H04L25/03 (31) Priority Document No :201210531726.9 1)HUAWEI TECHNOLOGIES CO. LTD. (32) Priority Date Address of Applicant : Huawei Administration Building :11/12/2012 (33) Name of priority country Bantian Longgang Shenzhen Guangdong 518129 China :China (86) International Application No :PCT/CN2013/089130 (72)Name of Inventor : Filing Date :11/12/2013 1)LI Xingwen (87) International Publication No :WO 2014/090164 2)YE Siging (61) Patent of Addition to Application 3)WANG Yongsheng :NA Number 4)CHANG Yan :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

Provided are a method and device for eliminating interference between transmission channels of a transmitter. The method for eliminating interference between transmission channels of a transmitter comprises: according to an output signal of an analogue module of a transmission channel to be processed of the transmitter and input signals of a digital module of each transmission channel of all the transmission channels of the transmitter generating compensation parameters; according to the compensation parameters and the input signals or output signals of the digital modules of other transmission channels except the transmission channel to be processed generating cancellation signals; and according to the cancellation signals performing interference elimination processing on the transmission channel to be processed. The method and device for eliminating interference between transmission channels of a transmitter provided in the embodiments of the present invention avoid the increase of the size of the transmitter product due to the fact that a spatial size between the transmission channels is increased and a physical isolation element is set thereby improving the effect of interference elimination between transmission channels.

No. of Pages: 31 No. of Claims: 13

(21) Application No.1903/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 17/06/2015 (43) Publication Date: 29/01/2016

:NA

:NA

:NA

(54) Title of the invention: VEHICLE

(62) Divisional to Application Number

:B62K19/38,B62K5/027 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)YAMAHA HATSUDOKI KABUSHIKI KAISHA :2012278879 (32) Priority Date Address of Applicant :2500 Shingai Iwata shi Shizuoka :21/12/2012 (33) Name of priority country :Japan 4388501 Japan (86) International Application No (72) Name of Inventor: :PCT/JP2013/084284 Filing Date 1)IIZUKA Toshio :20/12/2013 (87) International Publication No :WO 2014/098227 2)HIRAYAMA Yosuke (61) Patent of Addition to Application :NA Number

## (57) Abstract:

Filing Date

Filing Date

Provided is a vehicle equipped with a fluid unit such that an increase in size of the vehicle is prevented. A vehicle (1) is provided with: an inclined vehicle body frame (21); two front wheels (31, 32); a link mechanism (5); and a fluid unit (82, 82A, 82B). The link mechanism (5) includes cross members (51, 52) and is supported by a link support portion (211) of the vehicle body frame (21). The fluid unit (82, 82A, 82B) is smaller than a movable range of the cross members (51, 52) with respect to the vehicle body frame (21) as viewed from an intermediate axis (M1, M4) direction. The fluid unit (82, 82A, 82B) is disposed, as viewed from the intermediate axis (M1, M4) direction, at a position overlapping with at least a part of the movable range and with at least a part of a vehicle exterior component (221, 225), and between the movable range and the vehicle exterior component (221, 225) with respect to the intermediate axis (M1, M4) direction. The fluid unit (82, 82A, 82B) is supported by the link support portion (211) of the vehicle body frame (21) supporting the link mechanism (5).

No. of Pages: 54 No. of Claims: 14

(21) Application No.1904/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 17/06/2015 (43) Publication Date: 29/01/2016

### (54) Title of the invention: CURCUMIN SOLUBILISATE

(51) International :A23L1/30,A61K9/107,A23D7/005

classification .AZSL1/30,A01R9/10/

(31) Priority Document No :20 2012 012 130.8 (32) Priority Date :19/12/2012

(33) Name of priority country: Germany

(86) International Application :PCT/EP2013/001427

No :15/05/2013

Filing Date :15/05/201

(87) International Publication

No :WO 2014/094921

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to Application
Number
:NA

Filing Date

(71)Name of Applicant : 1)AQUANOVA AG

Address of Applicant :Birkenweg 8 10 64295 Darmstadt

Germany

(72)Name of Inventor: 1)BEHNAM Dariush

(57) Abstract:

The invention relates to a solubilisate consisting of curcumin comprising an amount of less or equal 10 wt % preferably less or equal 7.5 wt % particularly preferably 6 wt % and at least one emulsifier having an HLB value in the range of 13 and 18 in particular polysorbate 80 or polysorbate 20 or a mixture of polysorbate 20 and polysorbate 80 wherein the average diameter of the micelles charged with curcumin is 5 nm and 40 nm preferably between 6 nm and 20 nm particularly preferably between 7 nm and 10 nm.

No. of Pages: 14 No. of Claims: 12

(21) Application No.1913/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :18/06/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: PRODUCTION METHOD FOR POLYTETRAFLUOROETHYLENE AQUEOUS DISPERSION

:C08F14/26,C08F2/26,C08F2/44 (71)Name of Applicant : (51) International classification

(31) Priority Document No :61/731905 (32) Priority Date :30/11/2012 (33) Name of priority country :U.S.A.

(86) International Application No:PCT/JP2013/082386

Filing Date :02/12/2013

(87) International Publication No: WO 2014/084400

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application

:NA Number :NA

Filing Date

1)DAIKIN INDUSTRIES LTD.

Address of Applicant: Umeda Center Building 4 12 Nakazaki

Nishi 2 Chome Kita Ku Osaka Shi Osaka 5308323 Japan (72) Name of Inventor:

1)NANBA Yoshinori

#### (57) Abstract:

The purpose of the present invention is to provide a method in which a polytetrafluoroethylene (PTFE) aqueous dispersion having an extremely small PTFE particle size and exhibiting excellent dispersion stability can be produced using multi stage polymerization even without using long chain fluorine containing surfactants. This production method for a PTFE aqueous dispersion includes: a step (1) in which polymerization of a fluoromonomer is performed in an aqueous medium in the presence of a fluorine containing surfactant and a polymerization initiator to produce an aqueous dispersion including fine particles of at least one fluoropolymer selected from the group consisting of PTFE and melt fabricable fluorine resins (other than PTFE); and a further step (2) in which polymerization of either tetrafluoroethylene (TFE) or TFE and a modified monomer is performed in an aqueous medium in the presence of a polymerization initiator and the fluoropolymer fine particles to produce an aqueous dispersion including PTFE particles. The fluoropolymer fine particles have an equivalent weight (EW) of at least 6 000 and a volume average particle size of at least 0.1 nm but less than 20 nm.

No. of Pages: 76 No. of Claims: 5

(22) Date of filing of Application: 18/06/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: COMFORT NOISE ADDITION FOR MODELING BACKGROUND NOISE AT LOW BIT RATES

:G10L19/012,G10L19/00 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)FRAUNHOFER GESELLSCHAFT ZUR FÖRDERUNG :61/740883 (32) Priority Date :21/12/2012 DER ANGEWANDTEN FORSCHUNG E.V. (33) Name of priority country :U.S.A. Address of Applicant : Hansastraße 27c 80686 München (86) International Application No :PCT/EP2013/077527 Germany (72) Name of Inventor: Filing Date :19/12/2013 (87) International Publication No :WO 2014/096280 1)FUCHS Guillaume (61) Patent of Addition to Application 2)LOMBARD Anthony :NA Number 3)RAVELLI Emmanuel :NA Filing Date 4)DÖHLA Stefan (62) Divisional to Application Number :NA 5)LECOMTE Jérémie Filing Date 6)DIETZ Martin :NA

### (57) Abstract:

The invention provides a decoder being configured for processing an encoded audio bitstream (BS) wherein the decoder (1) comprises: a bitstream decoder (2) configured to derive a decoded audio signal (DS) from the bitstream (BS) wherein the decoded audio signal (DS) comprises at least one decoded frame; a noise estimation device (3) configured to produce a noise estimation signal (NE) containing an estimation of the level and/or the spectral shape of a noise (N) in the decoded audio signal (DS); a comfort noise generating device (4) configured to derive a comfort noise signal (CN) from the noise estimation signal (NE); and a combiner (5) configured to combine the decoded frame of the decoded audio signal (DS) and the comfort noise signal (CN) in order to obtain an audio output signal (OS).

No. of Pages: 48 No. of Claims: 26

(21) Application No.1915/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :18/06/2015 (43) Publication Date: 29/01/2016

(54) Title of the invention: VEHICLE

(51) International classification :B62K5/02,B62J15/00,B62J17/00 (71)Name of Applicant :

(31) Priority Document No :2012276255 (32) Priority Date :18/12/2012

(33) Name of priority country :Japan

(86) International Application :PCT/JP2013/083933 No

:18/12/2013 Filing Date

(87) International Publication :WO 2014/098142

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date (62) Divisional to Application

:NA Number :NA Filing Date

(57) Abstract:

1)YAMAHA HATSUDOKI KABUSHIKI KAISHA Address of Applicant :2500 Shingai Iwata shi Shizuoka

4388501 Japan

(72) Name of Inventor: 1)HIRAYAMA Yosuke

A vehicle body cover includes a front cover (221) and a front spoiler (222). The front cover (221) covers at least a part of a link mechanism (5) and is disposed in an undisplaceable manner with respect to a vehicle body frame. The front cover (221) includes a front part (221a) disposed forwardly of a rear end (WB) of each of a right front wheel and a left front wheel. A front end (CF) of the front part (221a) is disposed rearwardly of a front end (WF) of the right front wheel and the left front wheel. The front spoiler (222) is disposed in a displaceable manner with respect to the vehicle body frame in accordance with an operation of a steering mechanism (7). The front spoiler (222) is disposed when a vehicle (1) in an upright state is viewed from the front below the link mechanism (5) to the left of the right front wheel and to the right of the left front wheel. A lower end (SD) of the front spoiler (222) is disposed below a lower end (CDE) of the front part (221a) of the front cover (221).

No. of Pages: 87 No. of Claims: 10

(21) Application No.1916/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 18/06/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: HAEMODIAFILTRATION METHOD

(32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number  Silvi Date  120/12/2012 Segrmany Segrm	GMBH mburg
(62) Divisional to Application Number :NA Filing Date :NA	

## (57) Abstract:

The invention relates to a device for haemodiafiltration comprising an extracorporeal circulation (10) for receiving blood to be cleaned and comprising a haemodialyser and/or haemofilter (20) which is connected to the blood circulation (10) said blood circulation (10) having at least one respective supply line (12 14) located upstream and downstream of the haemodialyser and/or haemofilter (20) for supplying a substitution fluid. The invention is characterised in that the device also comprises measuring devices for recording the transmembrane pressure and/or haematocrit (HKT) and/or blood density the measuring devices being connected to a control unit (100) for controlling one or more of the transmembrane pressure and/or haematocrit (HKT) and/or blood density and said control unit (100) being constructed in such a way that the control is carried out (13 15) with the aid of at least one of the infusion speeds (Qspre Qspost) of the substitution fluid. The invention is also characterised in that the blood to be cleaned is exposed to a high frequency electromagnetic field and/or an electric DC field (70) before and/or during the contact with the dialyser.

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

(21) Application No.1906/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :17/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: METHODS AND SYSTEMS FOR A DISTRIBUTED RADIO COMMUNICATIONS 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> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:H04B7/04 :13/690,602 :30/11/2012 :U.S.A. :PCT/US2012/067744 :04/12/2012 :WO 2014/084865 :NA	(71)Name of Applicant: 1)COGNOSOS, INC. Address of Applicant: 2795 Peachtree Rd, NE Suite 1906 Atlanta, GA 30305 U.S.A. (72)Name of Inventor: 1)STRATIGOS, James A.
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## (57) Abstract:

The present disclosure is directed to methods and systems for providing a distributed radio communications network. Each of a first gateway and a second gateway may separately receive modulated signals comprising at least a portion of data from a first node of a plurality of geographically-dispersed nodes. The modulated signals may be wirelessly transmitted as radio frequency (RF) signals from the first node, the data gathered or generated by the first node at a first location. A server may receive the modulated signals from the first gateway and the second gateway. As configured by software-defined radio (SDR) software, the server may perform processing of the separately received modulated signals to recover the data. The processing may include demodulation of the modulated signals.

No. of Pages: 61 No. of Claims: 20

(22) Date of filing of Application: 17/06/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: COMPOUNDS USEFUL AS INHIBITORS OF ATR KINASE

(51) International :C07D487/04,A61K31/495,A61P35/00

:U.S.A.

classification

(31) Priority Document No :61/734,726 (32) Priority Date :07/12/2012 (33) Name of priority

country

(86) International

:PCT/US2013/073457 Application No :06/12/2013

Filing Date

(87) International

:WO 2014/089379 Publication No

(61) Patent of Addition to

:NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA

Filing Date

(71)Name of Applicant:

1) VERTEX PHARMACEUTICALS INCORPORATED

Address of Applicant: 130 Waverly Street, Cambridge, MA

02139 U.S.A.

(72) Name of Inventor:

1)AHMAD, Nadia

2)BOYALL, Dean

3) CHARRIER, Jean-Damien

4)DAVIS, Chris

5)DAVIS, Rebecca

6)DURRANT, Steven

7) ETXEBARRIA I JARDI, Gorka

8)FRAYSSE, Damien

9)JIMENEZ, Juan-Miguel

10)KAY, David

11)KNEGTEL, Ronald

12)MIDDLETON, Donald

13)ODONNELL, Michael

14)PANESAR, Maninder

15)PIERARD, Françoise

16)PINDER, Joanne

17)SHAW, David

18)STORCK, Pierre-Henri

19)STUDLEY, John

20) TWIN, Heather

## (57) Abstract:

The present invention relates to compounds useful as inhibitors of ATR protein kinase. The invention also relates to pharmaceutically acceptable compositions comprising the compounds of this invention; methods of treating of various diseases, disorders, and conditions using the compounds of this invention; processes for preparing the compounds of this invention; intermediates for the preparation of the compounds of this invention; and methods of using the compounds in in vitro applications, such as the study of kinases in biological and pathological phenomena; the study of intracellular signal transduction pathways mediated by such kinases; and the comparative evaluation of new kinase inhibitors. The compounds of this invention have formula (I) or a pharmaceutically acceptable salt, wherein the variables are as devined herein. Moreover, The compounds of this invention have formula (I-A) or a pharmaceutically acceptable salt, wherein the variables are as defined herein.

No. of Pages: 516 No. of Claims: 288

(21) Application No.1908/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :17/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : METHOD FOR MANUFACTURING SINTER CAKE SUPPORT STAND, AND BUILDUP WELDING METHOD IN SINTER CAKE SUPPORT STAND

<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> </ul> </li> <li>(87) International Publication</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>	:F27B21/08,B23K9/04,C22B1/20 :NA :NA :NA :PCT/JP2012/007587 :27/11/2012 :WO 2014/083587 :NA :NA	(71)Name of Applicant:  1)TOKUDEN CO., LTD.  Address of Applicant:2-2-27, Shouwadori, Amagasaki-shi, Hyogo 6600881 Japan  2)NIPPON STEEL & SUMITOMO METAL CORPORATION (72)Name of Inventor:  1)YUKIYAMA, Makoto 2)FUJII, Hirokazu 3)HAMATANI, Hideki 4)SATO, Hiroyuki
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## (57) Abstract:

This invention is characterized in including: a step for pre-heating stand material; a step for depositing a weld metal by buildup welding on each surface of a part with a reduced thickness on the side surface, the part being formed by reducing the thickness of both the upper edge part and both side surfaces of the stand material; a step for depositing the weld metal by buildup welding on each of the surfaces along the outer periphery of the part with the reduced thickness; a step for depositing the weld metal by buildup welding on the entire outer periphery of the end surface of the stand material; and a step for gradually cooling the stand material that has undergone buildup welding.

No. of Pages: 24 No. of Claims: 5

(21) Application No.1909/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :17/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : METHOD FOR PREPARING PHENYLOXYMETHYL-NITRO-IMIDAZOLE DERIVATIVES AND USE OF SAME

#### (57) Abstract:

Fexinidazole is prepared according to a method which comprises the following steps: a) reacting 1-methyl-2-hydroxymethyl-5-nitro-imidazole with methanesulfonyl chloride in the presence of a suspension of powdered alkaline carbonate in an anhydrous organic solvent suitable for performing nucleophile substitution reactions; b) adding to the resulting reaction medium a solution of 4-methyl-mercapto-phenol in the same organic solvent as referred to in step a); c) separating fexinidazole from the reaction mixture as its hydrochloride salt and d) converting said hydrochloride salt into fexinidazole and optionally, purifying the latter.

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

(22) Date of filing of Application :18/06/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: INSTITUTION SIMULATION

(51) International classification	:G06Q10/06	(71)Name of Applicant:
(31) Priority Document No	:13/715,308	1)VENTANA SYSTEMS, INC.
(32) Priority Date	:14/12/2012	Address of Applicant :60 Jacob Gates Road, Harvard, MA
(33) Name of priority country	:U.S.A.	01451 U.S.A.
(86) International Application No	:PCT/US2013/075103	2)GREENWOOD STRATEGIC ADVISORS AG
Filing Date	:13/12/2013	3)EXTREME FINANCE ADVISORY S.L.
(87) International Publication No	:WO 2014/093874	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)PETERSON, David, W.
Number	:NA	2)STEPHENS, Craig, Alan
Filing Date	.11/1	3)HARBIG, Johannes, Andreas
(62) Divisional to Application Number	:NA	4)GRAHAM, Alan, Karl
Filing Date	:NA	5)BLANC, Mariano

(21) Application No.1924/KOLNP/2015 A

### (57) Abstract:

(19) INDIA

A calibrated and tested dynamic simulation model of at least one municipality or institution or commercial entity is operated to generate information that enables the municipality or institution or commercial entity and suppliers of products for development projects of the municipality or institution or commercial entity to engage in execution of development projects that the model demonstrates will enhance the performance and sustainability of the municipality or institution or commercial entity. The simulation model of the municipality or institution or commercial entity is used to monitor and influence the execution of the development projects or ongoing operations and policies of the municipality or institution or commercial entity. Financers of the development projects are provided with information from operation of the dynamic simulation model demonstrating the performance and sustainability of the municipality or institution or commercial entity and the acceptability of risks associated with the financing of the projects or operations.

No. of Pages: 92 No. of Claims: 74

(21) Application No.1926/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :18/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: MEDICAMENT DELIVERY 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>	:61/745,053 :21/12/2012 :U.S.A.	(71)Name of Applicant:  1)CAREBAY EUROPE LTD  Address of Applicant:SUITE 3, TOWER BUSINESS CENTRE, TOWER STREET, SWATAR, BKR 4013 Malta (72)Name of Inventor:  1)GIAMBATTISTA, LUCIO 2)BENDEK, ANTONIO 3)DANIEL, MATTIAS
(87) International Publication No	:WO 2014/095424	2)BENDEK, ANTONIO
Number Filing Date	:NA	4)KARLSSON, SEBASTIAN
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to a medicament delivery device comprising, a housing (10, 114) having a proximal and a distal end, a delivery member connected to the housing; a medicament container (84) operably arranged within the housing; a drive mechanism (102, 108) capable of acting on the medicament container (84) for priming and for expelling a dose of medicament. The invention is characterised in that the device further comprises - an activator mechanism configured to interact with the drive mechanism, such that a first interaction between the activator mechanism and the drive mechanism causes the container to move towards the delivery member wherein the container is primed and such that a subsequent second interaction between the activator mechanism and the drive mechanism causes a dose of medicament to be expelled through the delivery member.

No. of Pages: 40 No. of Claims: 24

(21) Application No.1927/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 18/06/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: CATALYST AND METHOD FOR THE REDUCTION OF NITROGEN OXIDES

(51) International classification:B01D53/94,B01J23/58,B01J23/63 (71)Name of Applicant:

:13156095.5 (31) Priority Document No (32) Priority Date :21/02/2013

(33) Name of priority country :EPO

(86) International Application :PCT/EP2014/053383

No :21/02/2014 Filing Date

(87) International Publication :WO 2014/128236

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract:

1)UMICORE AG & CO. KG

Address of Applicant: Rodenbacher Chaussee 4, 63457

Hanau-Wolfgang Germany (72) Name of Inventor: 1)HOYER, Ruediger 2) SCHULER, Anke

3)UTSCHIG, Thomas 4) MUELLER, Elena

The invention relates to a nitrogen oxide storage catalyst consisting of at least two catalytically active washcoat layers on a supporting body, a lower washcoat layer (A) containing cerium oxide, an alkaline earth compound and/or an alkaline compound and platinum and an upper washcoat layer (B), which is arranged on top of washcoat (A), containing cerium oxide, platinum and/or palladium and no alkaline earth compound. The invention also relates to a method for converting NOx in the exhaust gases of motor vehicles operated using lean-burn engines.

No. of Pages: 19 No. of Claims: 11

(21) Application No.1928/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 18/06/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention : METHOD AND APPARATUS FOR A HYBRID NODE IN A CELLULAR WIRELESS COMMUNICATION SYSTEM

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (36) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (51) International Classification Filing Date (52) International Publication Number Filing Date (53) International Application No (54) PCT/US2013/07753 (55) PCT/US2013/07753 (75) PCT/US20	(71)Name of Applicant:  1)ZTE WISTRON TELECOM AB  Address of Applicant: Kista Science Tower, 19tr., Farogatan 33, S-164 51 Kista Sweden  2)ZTE (TX) INC.  (72)Name of Inventor:  1)SVEDMAN, Patrick 2)CAO, Aijun 3)GAO, Yonghong
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#### (57) Abstract:

A new approach to deployment of a hybrid node in a cellular communication network is proposed, wherein the hybrid node includes a plurality of antennas that simultaneously serve a plurality of cells in the cellular communication network by transmitting or receiving signals to or from the cells at the same time. The cellular communication network further includes a partner cell among the plurality of cells served by the hybrid node, wherein the partner cell is a soft cell that maintains communication channels with antennas of more than one node at the same time. The cellular communication network further includes a hybrid cell among the plurality of cells also served by the hybrid node, wherein the hybrid cell is a hard cell that maintains communication channels with antennas of only one node at any one time. The partner cell and the hybrid cell have different cell-ids and they each connects to and serves a plurality of user equipment (UE) for uplink communication to and downlink communication from the hybrid node.

No. of Pages: 30 No. of Claims: 35

(21) Application No.1946/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 19/06/2015 (43) Publication Date: 29/01/2016

### (54) Title of the invention: CAPSULE FOR BEVERAGES

(51) International classification	:B65D85/804	(71)Name of Applicant:
(31) Priority Document No	:MO2012A000326	1)SARONG SOCIETA' PER AZIONI
(32) Priority Date	:27/12/2012	Address of Applicant :Via Colombo 18, I-42046 Reggiolo
(33) Name of priority country	:Italy	(Reggio Emilia) Italy
(86) International Application No	:PCT/IB2013/061266	(72)Name of Inventor:
Filing Date	:23/12/2013	1)BARTOLI, Andrea
(87) International Publication No	:WO 2014/102701	2)CAPITINI, Davide
(61) Patent of Addition to Application	:NA	3)GRILLENZONI, Alessandro
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A capsule, comprises: - a deformable and/or crushable casing (2) provided with a base wall (3) and a side wall (4) defining a cavity (5) suitable for containing an initial product (P) to be joined to a fluid (F) for making a final product (B); - a nozzle (107; 207; 307; 407; 507; 607) associated with the casing (2) and comprising a longitudinal side wall (110; 210; 310; 410; 510; 610) and a first end (108; 208; 308; 408; 508; 608) provided with a first opening (113; 213; 313; 413; 513; 613) suitable to engage injecting means of the fluid (F) of a brewing machine, the longitudinal side wall (110; 210; 310; 410; 510; 610) being provided with at least one outflow opening (111; 211; 311; 411; 511; 611) connected to the first opening (113; 213; 313; 413; 513; 613) through a first duct (114; 214; 314; 414; 514; 614) for introducing the fluid (F) in the cavity (5) in an injecting step (J); the nozzle (107; 207; 307; 407; 507; 607) comprises at least one delivering opening (118; 218; 318; 418; 518; 618) made along the longitudinal side wall (110; 210; 310; 410; 510; 610) and a second end (109; 209; 309; 409; 509; 609) that is opposite to the first end (108; 208; 308; 408; 508; 608), comes out from the cavity (5) through an exit opening (31) of the base wall (3) and is provided with a second opening (116; 216; 316; 416; 516; 616) connected to the delivering opening (118; 218; 318; 418; 518; 618) through a second duct (117; 217; 317; 417; 517; 617) for enabling the final product (B) to exit from the cavity (5) and be delivered directly into a fruition container in a delivering step (E).

No. of Pages: 38 No. of Claims: 31

(21) Application No.1947/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 19/06/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: A SYSTEM AND METHOD FOR MONITORING RESUSCITATION OR RESPIRATORY MECHANICS OF A PATIENT

(51) International :A61B5/08,A61B5/085,A61B5/087

classification (31) Priority Document No :61/728,211

(32) Priority Date :19/11/2012 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2013/070745

No :19/11/2013 Filing Date

(87) International Publication :WO 2014/078840

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to Application :NA

Number :NA Filing Date

(71)Name of Applicant:

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Address of Applicant:55 Fruit Street, Boston MA 02114

U.S.A.

(72) Name of Inventor:

1)MIELCARZ, Craig 2) CEDRONE, Kevin 3)DATA, Sanotrino 4)OLSON, Kristian

### (57) Abstract:

A system and method for monitoring resuscitation and respiratory mechanics of a patient is provided. A pressure sensor detects air pressure within an air-flow path of a resuscitator and generates a first detection signal in response thereto. A flow-rate sensor detects the flow-rate within the air-flow path and generates a second detection signal In response thereto. A processor receives and processes the first and second detection signals using an algorithm to identify a ventilation rate, a lung pressure, and an air volume corresponding to the respiratory air. A report is generated of real-time feedback about respiration of the patient that includes the ventilation rate, lung pressure, and air volume.

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

(22) Date of filing of Application :19/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: SYSTEMS AND METHODS FOR ACCESSING A NETWORK

Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA Filing Date :NA	Filing Date (62) Divisional to Application Number	:NA	(72)Name of Inventor : 1)KAIPPALLIMALIL John 2)JIN Weisheng
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### (57) Abstract:

System and method embodiments are provided for accessing a wireless network. The embodiments enable establishing and releasing session resources in a wireless local area network (WLAN) corresponding to packet data network (PDN) connections in a 3 GPP enhanced packet core (EPC). In an embodiment a method in a network component for establishing a control channel with a user equipment (UE) includes setting up by the network component a link layer channel sending by the network component an identifier of the link layer channel to the UE; and communicating by the network component with the UE over the link layer channel using a WLAN control protocol (WLCP) wherein the WLAN comprises a trusted WLAN Access Network (TWAN).

No. of Pages: 36 No. of Claims: 40

(22) Date of filing of Application :19/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: CIRCUIT SWITCHED FALL BACK SWITCHING METHOD DEVICE AND BASE 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:28/12/2012 :WO 2014/101139 :NA :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD.  Address of Applicant: Huawei Administration Building Bantian Longgang District Shenzhen Guangdong 518129 China (72)Name of Inventor:  1)ZHANG Qilong
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Disclosed are a CSFB switching method device and system belonging to the field of communications. The method comprises: an eNB receiving a CSFB instruction; after receiving the CSFB instruction the eNB sending a measurement control message to a user equipment wherein the measurement control message is used for instructing the user equipment to measure the quality of a cell signal and send a corresponding event measurement report; and a base station choosing to finish CSFB switching via blind switching according to the receiving condition of the event measurement report sent by the user equipment or choosing to finish CSFB switching via measurement based switching. The device comprises a first receiving module a sending module a second receiving module and a switching module. The present invention chooses to finish CSFB switching via blind switching or measurement based switching according to the receiving condition of an event measurement report sent by a user equipment thereby improving the success probability of CSFB switching.

No. of Pages: 41 No. of Claims: 16

(21) Application No.1941/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 19/06/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: PIPING UNIT FOR AIR CONDITIONING DEVICE

:F24F1/32,F24F1/34,F25B41/00 (71)Name of Applicant : (51) International classification

(31) Priority Document No :2012268713 (32) Priority Date :07/12/2012

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2013/007169 Filing Date :05/12/2013

(87) International Publication No: WO 2014/087660

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application

:NA Number :NA Filing Date

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(72) Name of Inventor:

1)NAKATSU Nobuhiko

#### (57) Abstract:

A piping unit (50) is provided to a refrigerant circuit through which refrigerant circulates and which performs a vapor compression refrigeration cycle. The piping unit (50) is provided with: a piping main body (53) that has a fluid pipe (51) through which a liquid refrigerant of the refrigerant circuit flows and a gas pipe (52) through which a gas refrigerant of the refrigerant circuit flows; and an insulation member (54) that individually covers the fluid pipe (51) and the gas pipe (52). The fluid pipe (51) and the gas pipe (52) coated by the insulation member (54) are fixed together. Thus because the refrigerant circuit is partially unitized the duration of the construction schedule can be reduced.

No. of Pages: 29 No. of Claims: 2

(21) Application No.1942/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :19/06/2015 (43) Publication Date: 29/01/2016

(54) Title of the invention: VEHICLE

(51) International classification :B62J17/00,B62J15/00,B62K5/05 (71)Name of Applicant:

(31) Priority Document No :2012276256 (32) Priority Date :18/12/2012

(33) Name of priority country :Japan

(86) International Application :PCT/JP2013/083931

:18/12/2013 Filing Date

(87) International Publication :WO 2014/098140

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

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(72) Name of Inventor: 1)SASAKI Kaoru 2)OHTA Mitsuaki

### (57) Abstract:

In the present invention a right front fender (223R) is provided in a manner able to displace with respect to the vehicle body frame in accordance with the movement of a linking mechanism (5). When a vehicle is seen from the front in the front back direction of the vehicle frame in the state of the vehicle body frame being upright the right front fender (223R) is between the right bottom edge (CDER) of the front portion of a front cover (221) and the top edge (WUER) of a right front wheel (31) and reduces the wind pressure incurred during traveling at one or more of a portion of the linking mechanism (5) a portion of a steering mechanism a portion of the vehicle body frame a portion of a vehicle body cover and a portion of a power unit positioned above the center (CR) in the vertical direction of the vehicle body frame of the top end (WUR) of the right front wheel (31) and the bottom edge (MDER) of the steering mechanism or the linking mechanism (5) above the right front wheel (31). The same is true in the left front fender (223L) as in the right front fender (223R).

No. of Pages: 108 No. of Claims: 10

(22) Date of filing of Application: 19/06/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention : VIRTUAL MACHINE LIVE MIGRATION METHOD VIRTUAL MACHINE MEMORY DATA PROCESSING METHOD SERVER AND VIRTUAL MACHINE 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> <li>(57) Abstract</li> </ul>	:G06F9/455 :PCT/CN2013/091131 :31/12/2013 :China :PCT/CN2014/093034 :04/12/2014 :WO 2015/101128 :NA :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD.  Address of Applicant: Huawei Administration Building Bantian Longgang Shenzhen Guangdong 518129 China (72)Name of Inventor:  1)LU Shengwen
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#### (57) Abstract:

A method and system for virtual machine live migration for solving the problem that live migration of a virtual machine cannot be implemented in an SR IOV technical scenario. The method and server for virtual machine live migration by providing a write dirty flag allow a virtual PCIE device of a to be migrated virtual machine to perform a read/write operation for at least once on received data and allow a virtual machine manager of the to be migrated virtual machine to identify a change in data and to migrate changed data to a destination virtual machine thus solving the problem of the prior art that in a virtual machine live migration process data cannot be migrated as a result of a virtual machine manager being unable to sense the data because the data is passed through a virtual PCIE device.

No. of Pages: 85 No. of Claims: 51

(21) Application No.1944/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :19/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: TONER, DEVELOPER, AND IMAGE FORMING 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> <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 Filing Date</li> </ul>	:G03G 9/087 :2013-025166 :13/02/2013 :Japan :PCT/JP2014/051593 :20/01/2014 :WO 2014/125909 :NA :NA :NA	(71)Name of Applicant:  1)RICOH COMPANY, LTD.  Address of Applicant:3-6, NAKAMAGOME 1-CHOME, OHTA-KU, TOKYO, 1438555 Japan (72)Name of Inventor: 1)SUGIMOTO, Tsuyoshi 2)YAMASHITA, HIROSHI 3)ASAHINA, DAISUKE 4)CHIBA, SUSUMU 5)SEKIGUCHI, SATOYUKI
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### (57) Abstract:

A toner, including: a copolymerization resin, wherein the copolymerization resin includes: a unit derived from a polyester resin including a polycarboxylic acid having a valence of 2 or more and a polyol having a valence of 2 or more; and a unit derived from a resin having a polyhydroxycarboxylic acid skeleton, where the unit derived from the resin having a polyhydroxycarboxylic acid skeleton is bonded to the unit derived from the polyester resin via at least one of a urethane group and a urea group, and wherein the toner has a relative degree of crystallization of 10% or more and less than 50%.

No. of Pages: 117 No. of Claims: 10

(21) Application No.1957/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 19/06/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: COMPUTING INTERFACE SYSTEM

(51) International classification	:G06F3/00,G01P15/00	(71)Name of Applicant:
(31) Priority Document No	:61/729,573	1)OPDIG, INC.
(32) Priority Date	:24/11/2012	Address of Applicant :35 Merrymount Road, unit 8 Quincy,
(33) Name of priority country	:U.S.A.	MA 02169 U.S.A.
(86) International Application No	:PCT/US2013/071215	(72)Name of Inventor:
Filing Date	:21/11/2013	1)KELLER, Eric Jeffrey
(87) International Publication No	:WO 2014/081927	2)LAM, Vinh Vi
(61) Patent of Addition to Application	:NA	3)LAMBRECHT, Frank Peter
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Computing interface systems and methods are disclosed. Some implementations include a first accelerometer attached to a first fastening article that is capable of holding the first accelerometer in place on a portion of a thumb of a user. Some implementations may also include a second accelerometer attached to a second fastening article that is capable of holding the second accelerometer in place on a portion of a wrist of a user. Some implementations may additionally or alternatively include magnetometers and/or gyroscopes attached to the first and second fastening articles. Some implementations may also include a processing device configured to receive measurements from the accelerometers, magnetometers, and/or gyroscopes and identify, based on the measurements, symbols associated with motions of a users hand and/or the orientation of the hand. Some implementations may allow a user to control a cursor in a three dimensional virtual space and interact with objects in that space.

No. of Pages: 73 No. of Claims: 29

(22) Date of filing of Application: 19/06/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: PRELIMINARY PROCESSING METHOD FOR MOLTEN IRON

(51) International classification
(31) Priority Document No
(32) Priority Date
(33) Name of priority country
(86) International Application No
Filing Date
(87) International Publication No
(21/01/2013
(24/01/2013
(24/01/2013
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(61) Patent of Addition to Application
Number
Filing Date

Number
Filing Date

Number

(62) Divisional to Application Number :NA Filing Date :NA

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2)UCHIDA, YUICHI

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5)TEZUKA, KOICHI

6)TANAKA, KOTARO

7)NEGISHI, HIDEMITSU

8)KAWABATA, RYO

9)YAMAMOTO, KAZUHITO

10)OKUYAMA, GORO

### (57) Abstract:

In the present invention, when using one converter-type smelting furnace to continuously carry out molten iron desiliconization processing and dephosphorization processing with a midway slag discharge step there between, in the slag discharge step a sufficient amount of slag is promptly discharged to the outside of the furnace, and sufficient dephosphorization processing in terms of cost and quality is carried out. Provided is a preliminary processing method having the following: a desiliconization step for desiliconizing molten iron (5) by supplying a gaseous oxygen source from a top blowing lance (2) to the molten iron (5) in a converter-type smelting furnace; a slag discharge step for discharging from the converter-type smelting furnace at least a portion of the slag generated by the desiliconization step; a dephosphorization processing step for, after the slag discharge step, dephosphorizing the remaining molten iron by adding a CaO solvent into the converter-type smelting furnace and supplying the gaseous oxygen source from the top blowing lance. During the desiliconization, the slag height in the furnace is measured, and in a state where the measured slag height is in a predetermined range of proportion to a free board in the furnace defined by the distance from the molten iron bath surface to the furnace throat, the desiliconization processing is stopped.

No. of Pages: 72 No. of Claims: 9

(21) Application No.1959/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 19/06/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention : DEVICE RELATING TO A FLUSHING HEAD FOR A ROCK DRILLING MACHINE AND ROCK DRILLING 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</li> <li>Number</li> <li>Filing Date</li> </ul>	:E21B21/02 :1251313-1 :21/11/2012 :Sweden :PCT/SE2013/051258 :29/10/2013 :WO 2014/081372 :NA :NA	(71)Name of Applicant:  1)ATLAS COPCO ROCK DRILLS AB Address of Applicant:S-701 91 Örebro Sweden (72)Name of Inventor: 1)JONSSON, Per
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

A device for a flushing head (3) of a rock drilling machine (1), which includes a machine housing (3) and, inside a cylinder (18), a to and fro moveable percussive piston (17) arranged to exert percussive action against a shank adapter (15), wherein the shank adapter has symmetry axis (19) and a flushing medium channel (22,23) for co-operation with a flushing medium chamber (24) in the flushing head (3) surrounding the shank adapter (15), said flushing head (3) being provided with a connection unit (7) for the connection to a flushing hose (10). The flushing head (3) and the machine housing (2) exhibit co-operating fastening means and fastening elements (6) in line with a force direction of tensile forces (F) being exerted by the flushing medium hose (10) on the connection unit (7) for movability of the flushing head (3) in respect of the machine housing (2) in directions perpendicular to said symmetry axis (19). The device also concerns a rock drilling machine including such a device.

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

(22) Date of filing of Application :24/07/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention : A DYNAMIC LOAD MEASUREMENT SYSTEM TO ACCURATELY MEASURE WEIGHT OF A LOAD LIFTED BY A WHEEL-LOADER MACHINE

(51) International classification	:E02F9/20G2	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TATA HITACHI CONSTRUCTION MACHINERY
(32) Priority Date	:NA	COMPANY LIMITED
(33) Name of priority country	:NA	Address of Applicant :JAMSHEDPUR-831010,Jharkhand
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SANJOY CHAKRABARTY
(61) Patent of Addition to Application Number	:NA	2)SUPRATIM GHOSH
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		1

#### (57) Abstract:

The invention relates to a dynamic load measurement system to accurately measure weight of a load lifted by a wheel-loader-machine, the wheel loader essentially comprising a front lifting arm; a joystick to allow to operator to control a pressure valve; a pressure cylinder to operate the lifting arm around different arm-angles during loading of bulk materials; and a body frame, the system comprising one each arm angle sensor and body angle sensor for sensing tilting of the machine body with respect to ground horizontal plane during loading of the bulk material; one each pressure sensor attached respectively at the head-end and rod end of the hoist pipe of the pressure cylinder; a CPU with a memory device for receiving inputs from the sensors, processing the data with respect to the stored data and displaying the processed data via a LCD display; a keyboard providing options for setting, cancellation of load, change in material type, calibration and history view; an LED device to indicate system status; an RTC to provide system time; and an Rs connector to allow communications with external devices, wherein the pressure sensors capture the pressure data at the head end (P1) and at the rod end (P2) of the arm cylinder, wherein the differential pressure (P1-P2) values respective of a range of lift-arm operating angle are produced by the CPU, wherein a curve fitting the produced data is generated to calculate the weight of the loaded bulk materials by interpolating or extrapolating from the calibrated curves previously generated and stored in the memory relating to the weight of empty bucket including the weight of the bucket with known load, and wherein the interpolated or extrapolated values are averaged to calculate the actual weight of bulk materials loaded by the wheel loader.

No. of Pages: 29 No. of Claims: 3

(19) INDIA

(22) Date of filing of Application :20/06/2015

(21) Application No. A

(43) Publication Date: 29/01/2016

## (54) Title of the invention: A SEAL

<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>	:1221116.5 :23/11/2012 :U.K. :PCT/GB2013/000510 :22/11/2013	<ul> <li>(71)Name of Applicant:</li> <li>1)AES ENGINEERING LTD         Address of Applicant: Global Technology Centre Bradmarsh         Business Park Mill Close Rotherham S60 1BZ, U.K.     </li> <li>(72)Name of Inventor:</li> <li>1)BROADBENT Thomas</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>	:WO 2014/080163 :NA :NA :NA :NA	

#### (57) Abstract:

A mechanical seal for providing a fluid tight seal between relatively rotatable elements (1 2). The seal comprises a stationary part for securing to a housing which comprises a stationary seal face (5) a rotary part for securing to a shaft which comprises a rotary seal face (20) a spring (18) urging the rotary seal face (20) into engagement with the stationary seal face (5) and a toroidal sealing member (19) between the rotary component (17) and the shaft (2). The toroidal sealing member is accommodated within a recess of the rotary part and the recess is defined by two members of which the first rotary part member comprises the seal face (20) and a second rotary member part (15) is positioned between the first rotary part member and the spring (18).

No. of Pages: 13 No. of Claims: 11

(22) Date of filing of Application :20/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : METHOD APPARATUS AND ELECTRONIC DEVICE FOR BUILDING A FILE SYSTEM IN A KEY VALUE STORAGE 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G06F9/45 :201210590105.8 :31/12/2012 :China :PCT/CN2013/087316 :18/11/2013 :WO 2014/101583 :NA :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD.  Address of Applicant: Huawei Administration Building Bantian Longgang Shenzhen Guangdong 518129 China (72)Name of Inventor:  1)YUE Yinliang 2)XIONG Jin 3)ZHANG Lixin 4)CHEN Mingyu
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#### (57) Abstract:

The present invention relates to the field of data storage and more particularly to a method an apparatus and an electronic device for building a file system in a key value storage system. In the method for building a file system in a key value storage system disclosed by the present invention first directory sequence numbers corresponding to directory paths of all levels of directories are acquired and keys corresponding to directories and files are then built according to the directory sequence numbers and files stored in all levels of directories; in this case the directory sequence numbers in the Keys occupy small space and each directory sequence number is unique without a phenomenon of any repetition thereby effectively saving storage space; in addition a directory Key corresponding to a directory is built according to the directory sequence number and when a directory needs to be operated the directory to be operated can be directly acquired according to the Key of the directory so that the operation process is simplified.

No. of Pages: 50 No. of Claims: 18

(21) Application No.1952/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 19/06/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: BALLOON CATHETER AND METHODS OF USE THEREOF

:NA

:A61M25/00,A61M25/10 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)ANGIOSLIDE LTD :61/732944 (32) Priority Date :04/12/2012 Address of Applicant: 4 Haomanut Street P.O. Box 8344 (33) Name of priority country :U.S.A. 4250438 Netanya Israel (72)Name of Inventor: (86) International Application No :PCT/IL2013/000089 Filing Date :04/12/2013 1)FEIG Roy (87) International Publication No :WO 2014/087395 2)MEISTER Gal (61) Patent of Addition to Application 3)BARASH Alex :NA Number 4)BERNSTEIN Gil :NA Filing Date

# (57) Abstract:

Filing Date

A balloon catheter including a shaft and an inflatable balloon attached to the shaft the catheter includes an open sleeve having a proximal end sealingly attached to the catheter shaft and an open distal end. The sleeve surrounds at least part of the balloon. The sleeve and the balloon are arranged such that inflating the balloon expands the sleeve into an expanded state and deflating the balloon when the sleeve is in the expanded state forms an open cavity between the sleeve and the deflated balloon and creates suction to capture and retain debris within the cavity.

No. of Pages: 112 No. of Claims: 43

(62) Divisional to Application Number :NA

(21) Application No.1953/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :19/06/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: VEHICLE

(51) International classification :B62K19/40,B62K5/05,B62K5/10 (71)Name of Applicant :

:WO 2014/098223

(31) Priority Document No :2012278878 (32) Priority Date :21/12/2012

(33) Name of priority country :Japan

(86) International Application :PCT/JP2013/084266

No Ellina Data

Filing Date :20/12/2013

(87) International Publication

(61) Patent of Addition to
Application Number
Filing Date
:NA

(62) Divisional to Application
Number
Filing Date
:NA
:NA

(57) Abstract:

1)YAMAHA HATSUDOKI KABUSHIKI KAISHA

Address of Applicant :2500 Shingai Iwata shi Shizuoka

4388501 Japan (72)Name of Inventor:

1)TAKANO Kazuhisa 2)HIRAYAMA Yosuke 3)HZUKA Toshio

A tilt restricting mechanism (8) includes a left contact surface (525a) provided to a second cross member (52) and a left contact part (53a) provided to a first side member (53). The range through which a first cross member (51) and the second cross member (52) can rotate is restricted by the contacting of the left contact surface (525a) and the left contact part (53a). The left contact surface (525a) and the left contact part (53a) make contact at a position superposed on the first side member (53) as a vehicle body frame (21) is viewed from a side thereof.

No. of Pages: 85 No. of Claims: 9

(21) Application No.1954/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :19/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: INKJET INK, INKJET RECORDING METHOD AND INK RECORDED 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 Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:27/01/2014 :WO 2014/119769 :NA	(71)Name of Applicant:  1)RICOH COMPANY, LTD. Address of Applicant: 3-6, NAKAMAGOME 1-CHOME, OHTA-KU, TOKYO, 1438555 Japan (72)Name of Inventor: 1)NAKAGAWA, TOMOHIRO 2)TODA, Naohiro 3)NAGASHIMA, Hidefumi 4)FUIII Jehiroh
Filing Date (87) International Publication No	:27/01/2014 :WO 2014/119769	1)NAKAGAWA, TOMOHIRO 2)TODA, Naohiro

### (57) Abstract:

An inkjet ink, containing: water; a water-soluble organic solvent; a pigment; and polycarbonate urethane resin particles, wherein the water-soluble organic solvent contains 50% by mass or more of a diol compound, and wherein the water-soluble organic solvent contains 50% by mass or more of a water-soluble organic solvent having a boiling point of 200° C or less.

No. of Pages: 54 No. of Claims: 13

(21) Application No.1955/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :19/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: MULTILAYER THIN FILM FOR CUTTING TOOL AND CUTTING TOOL 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> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C23C 14/46 :10-2012-0155125 :27/12/2012 :Republic of Korea :PCT/KR2013/004426 :21/05/2013 :WO 2014/104495 :NA :NA	(71)Name of Applicant:  1)KORLOY INC.  Address of Applicant:953-1 DOKSAN-DONG, GEUMCHEON-GU SEOUL 153-823 REPUBLIC OF KOREA (72)Name of Inventor:  1)AHN, SEUNG SU 2)PARK, JE HUN 3)LEE, SUNG GU 4)AHN, SUN YONG
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#### (57) Abstract:

The present invention relates to a multilayer thin film for a cutting tool in which unit films, which comprise a total of four thin layers, are stacked at least twice, to achieve enhanced physical properties compared to existing multilayer thin films by controlling the cycles of an elasticity coefficient and a lattice constant between the four thin layers. In the multilayer thin film for the cutting tool, according to the present invention, the unit thin films comprising thin layer A, thin layer B, thin layer C, and thin layer D, stacked in that order, are stacked at least twice, wherein the elasticity coefficient (k) between the thin films is kA,kC > kB,kD or kB,kD > kC,kA, and the lattice constant (L) between the thin films is LA>LB, LD>LC or LC>LB, LD>LA.

No. of Pages: 26 No. of Claims: 7

(21) Application No.1956/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 19/06/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: TOBACCO SPECIFIC NITROSAMINE REDUCTION IN PLANTS

(51) International

:C12N15/29,C12N15/82,A01H5/12

classification

(31) Priority Document No :12198966.9

(32) Priority Date

:21/12/2012

(33) Name of priority country: EPO

(86) International Application

:PCT/EP2013/077532

:19/12/2013 Filing Date

(87) International Publication

:WO 2014/096283

(61) Patent of Addition to **Application Number** :NA

Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)PHILIP MORRIS PRODUCTS S.A

Address of Applicant: Quai Jeanrenaud 3, CH-2000 Neuchatel

Switzerland

(72) Name of Inventor:

1)BOVET, Lucien

2) CAMPANONI, Prisca

# (57) Abstract:

In one aspect, there is provided a mutant, non-naturally occurring or transgenic plant cell comprising: (i) a polynucleotide comprising, consisting or consisting essentially of a sequence encoding a member of the CLC family of chloride channels and having at least 60% sequence identity to SEO ID NO:1 or SEO ID NO:2 or SEO ID NO:3 or SEO ID NO:4 or SEO ID NO:10 or SEO ID NO:11; (ii) a polypeptide encoded by the polynucleotide set forth in (i); (iii) a polypeptide comprising, consisting or consisting essentially of a sequence encoding a member of the CLC family of chloride channels and having at least 60% sequence identity to SEQ ID NO:5 or SEO ID NO:6 or SEO ID NO:7 or SEO ID NO:12 or SEO ID NO:13 or SEO ID NO:14; or (iv) a construct, vector or expression vector comprising the isolated polynucleotide set forth in (i); and wherein the expression or activity of the polynucleotide or the polypeptide is modulated as compared to a control plant and wherein the nitrate levels in the mutant, non-naturally occurring or transgenic plant containing the mutant, non-naturally occurring or transgenic plant cell are modulated as compared to the control plant containing the control plant cell.

No. of Pages: 127 No. of Claims: 15

(21) Application No.1960/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 19/06/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: AN ENGINE FURNISHED WITH A SYSTEM OF SOLAR PANELS TO WHICH THE LIGHT PRODUCED BY THE COMBUSTION FOR THE GENERATION OF ELECTRIC CURRENT IS TRANSMITTED

:F02G5/00,H01L31/00 (71)Name of Applicant : (51) International classification (31) Priority Document No :FI2013A000007 1)DALLAVALLE, Francesco (32) Priority Date Address of Applicant :via Don Bosco n. 19, I-25030 Urago :10/01/2013 (33) Name of priority country D'Oglio (BS) Italy :Italy (86) International Application No :PCT/IB2013/060404 (72) Name of Inventor: Filing Date :26/11/2013 1)DALLAVALLE, Francesco (87) International Publication No :WO 2014/114999 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The present invention concerns an engine comprising at least a cylinder (1) that forms a combustion chamber (50). In accordance with the invention, at least a photovoltaic surface (60) is foreseen, arranged in such a way as to result hit by the light produced as a consequence of a combustion that takes place in the combustion chamber (50). In particular, at least an optical fiber (10) is foreseen, passing through said combustion chamber (50) in such a way as to be irradiated, in use, by the light emitted as a consequence of said combustion that takes place inside said chamber (50). In accordance with this solution, the photovoltaic panel (60) is arranged externally to the combustion chamber in such a way as to be irradiated by the light transported by said optical fiber (10) in exit from the cylinder.

No. of Pages: 24 No. of Claims: 20

(21) Application No.1961/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application:19/06/2015 (43) Publication Date: 29/01/2016

(54) Title of the invention: VEHICLE

(51) International classification: B62K5/05,B62J15/00,B62J17/00 (71) Name of Applicant:

:18/12/2013

(31) Priority Document No :2012276254 (32) Priority Date :18/12/2012

(33) Name of priority country :Japan

(86) International Application :PCT/JP2013/083923 No

Filing Date

(87) International Publication :WO 2014/098137

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)YAMAHA HATSUDOKI KABUSHIKI KAISHA Address of Applicant :2500 Shingai Iwata shi Shizuoka

4388501 Japan

(72) Name of Inventor: 1)SASAKI Kaoru 2)OHTA Mitsuaki

(57) Abstract:

In the present invention a right front fender (223R) is provided in a manner able to be displaced with respect to a vehicle body frame in accordance with the movement of a linking mechanism (5). When a vehicle of which the vehicle body frame is in an upright state is seen from the front in the front back direction of the vehicle body frame at least a portion of the right front fender (223R) is disposed above the center (CR) in the vertical direction of the vehicle body frame of the top end (WUR) of the right front wheel (31) and the bottom edge (MDER) of a steering mechanism or a linking mechanism (5) above the right front wheel (31) and is disposed below the right bottom edge (CDER) of the front of the front cover (221). A left front fender (223L) is provided in a manner able to be displaced with respect to the vehicle body frame in accordance with the movement of the linking mechanism (5). When a vehicle of which the vehicle body frame is in an upright state is seen from the front in the front back direction of the vehicle body frame at least a portion of the left front fender (223L) is disposed above the center (CL) in the vertical direction of the vehicle body frame of the top end of the left front wheel (32) and the bottom edge (MDEL) of a steering mechanism or a linking mechanism (5) above the left front wheel (32) and is disposed below the left bottom edge (CDEL) of the front of the front cover (221).

No. of Pages: 93 No. of Claims: 9

(22) Date of filing of Application :20/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: METHOD APPARATUS AND SYSTEM FOR INTERFERENCE METRIC SIGNALLING

(51) International :H04W72/12,H04B17/00,H04W52/34

(31) Priority Document No :61/729900 (32) Priority Date :26/11/2012 (33) Name of priority

country :U.S.A.

(86) International :PCT/SE2013/051076

Application No Filing Date :16/09/2013

(87) International Publication No :WO 2014/081371

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)

Address of Applicant :SE 164 83 Stockholm Sweden (72)Name of Inventor :
1)WIGREN Torbiörn

2)CRAIG Stephen

### (57) Abstract:

Mobile broadband traffic has been exploding in wireless networks (300) resulting in an increase of interferences and reduced operator control. Networks (300) are also becoming more heterogeneous putting additional demand in interference management. There is currently no support for signalling of neighbor cell interference gleaned from soft and softer handover powers. Thus there are no algorithms that accounts for and/or estimates interference impact factors between neighboring cells based on neighbor cell interference estimates gleaned from soft and softer handover power. To address these and other issues techniques to accurately predict/estimate neighbor cell interferences that accurately accounts for own cell powers soft handovers softer handovers neighbor cell interferences and remaining neighbor cell interferences are presented. The described techniques estimate coupling effects of scheduling decisions in one cell to surrounding cells. In this way interferences in the network (300) can be managed. To allow sharing of impact factors between network nodes (500) signalling techniques are also presented.

No. of Pages: 96 No. of Claims: 25

(21) Application No.1974/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : IMPROVING OPERATION OF FLUIDIZED BED REACTORS BY OPTIMIZING TEMPERATURE GRADIENTS VIA PARTICLE SIZE DISTRIBUTION CONTROL

<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>	:27/12/2013 :WO 2014/106090 :NA :NA	(71)Name of Applicant:  1)SUNEDISON, INC.  Address of Applicant:501 PEARL DRIVE, ST. PETERS, MISSOURI 63376 U.S.A. (72)Name of Inventor:  1)CHEW, JIA WEI 2)ZOU, BAISHENG
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A method of improving the operation of polysilicon fluidized bed reactors is disclosed. The present disclosure is directed to the optimization of axial temperature gradients in gas-solid fluidized bed systems. Varying the width of the particle size distribution in the reactor alters the temperature gradient within the reactor, thereby providing a means of a better control of internal temperature profiles and hence better reactor performance.

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

(21) Application No.1975/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: IMMUNOTHERAPY WITH BINDING AGENTS

(51) International classification :A61K38/00,C07K14/00,C07H21/04

(31) Priority Document No :61/733,177 (32) Priority Date :04/12/2012 (33) Name of priority

country :U.S.A.

(86) International :PCT/US2013/073038

Application No
Filing Date

1 C1/03201
:04/12/2013

(87) International Publication :WO 2014/089169

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)ONCOMED PHARMACEUTICALS, INC.

Address of Applicant :800 Chesapeake Drive, Redwood City,

CA 94063 U.S.A.

(72)Name of Inventor: 1)GURNEY, Austin, L.

2)AXELROD, Fumiko, Takada

## (57) Abstract:

Binding agents that specifically bind the extracellular domain of human TIGIT and methods of use are disclosed. The binding agents may comprise a soluble poliovirus receptor (PVR) variant with one or more amino acid substitutions as compared to wild-type PVR. Binding agents may specifically bind the extracellular domain of human TIGIT and do not bind or bind weakly to the extracellular domain of human CD226, which can be used in the methods for the treatment of diseases such as cancer.

No. of Pages: 88 No. of Claims: 25

(21) Application No.1976/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/06/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: YOGURT AND PRODUCTION METHOD THEREFOR PRODUCTION METHOD FOR EXTRACELLULAR FUNCTIONAL PRODUCT OF LACTIC ACID BACTERIA AND PRODUCTION INCREASING AGENT FOR EXTRACELLULAR FUNCTIONAL PRODUCT OF LACTIC ACID BACTERIA

<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</li> <li>Filing Date</li> <li>(87) International Publication</li> </ul>	:A23C9/123,A23C9/13,C12N1/20 :2012261776 :29/11/2012 :Japan :PCT/JP2013/082154 :29/11/2013	(71)Name of Applicant:  1)MEIJI CO. LTD.  Address of Applicant: 2 10 Shinsuna 1 chome Koto ku Tokyo 1368908 Japan (72)Name of Inventor:  1)FURUICHI Keisuke 2)MAKINO Seiya 3)GOTO Hirofumi
No	:WO 2014/084340	4)KAWASHIMA Hiroko
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention addresses the problem of providing a novel method with which the production amount of a lactic acid bacteria derived functional product can be efficiently increased. A yogurt production method according to the present invention is provided with a pH buffer agent adding step and a fermentation step. In the pH buffer agent adding step a pH buffer agent is added to a yogurt starting material. In the fermentation step lactic acid bacteria are used to cause fermentation of the yogurt starting material having the pH buffer agent added thereto.

No. of Pages: 29 No. of Claims: 12

(21) Application No.1977/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: CHAIN CONVEYOR DEVICE

(51) International classification	:B65G19/08,B65G19/24	(71)Name of Applicant:
(31) Priority Document No	:1221300.5	1)SCHENCK PROCESS LIMITED
(32) Priority Date	:27/11/2012	Address of Applicant :Carolina Court Lakeside Doncaster
(33) Name of priority country	:U.K.	DN4 5RA U.K.
(86) International Application No	:PCT/GB2013/053126	(72)Name of Inventor:
Filing Date	:26/11/2013	1)CHU Harry
(87) International Publication No	:WO 2014/083329	2)KENT Dave
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	37.1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A chain conveyor device for material handling comprising: an endless chain (12) comprising a series of chain links (20) wherein adjacent chain links are connected to each other at a connection location; and a first flight member (30) located on a first lateral side of a chain link (20) and having a first reinforcing member (40) extending into or along the body of the first flight member (30) the first reinforcing member (40) further extending away from the first flight member (30) through the chain link (20) and into or along the body of a second flight member (32) located on a second opposite lateral side of the chain link.

No. of Pages: 22 No. of Claims: 28

(22) Date of filing of Application :22/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : TURBOCHARGER IMPELLER SCREWED ONTO SHAFT WITH ARRANGEMENT FOR ACCOMMODATING THERMAL DILATATION

:F04D29/26,F01D5/02 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)NAPIER TURBOCHARGERS LIMITED :1221429.2 (32) Priority Date Address of Applicant :Ruston House PO Box 1 Waterside :28/11/2012 (33) Name of priority country South Lincoln Lincolnshire LN5 7FD U.K. :U.K. (86) International Application No :PCT/GB2013/053117 (72)Name of Inventor: Filing Date :26/11/2013 1)PINKNEY Ian (87) International Publication No :WO 2014/083325 2)BROWN Ian Patrick Clare (61) Patent of Addition to Application 3)MOORE Matthew Elijah :NA Number 4)POTTER Stuart Michael :NA Filing Date 5) HEYES Francis Joseph Geoffrey (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

A connected impeller and shaft is provided. The shaft has a first part which provides a threaded portion carrying a thread which screws onto a corresponding threaded portion of the impeller. The shaft also has a second part which provides an abutment surface for engaging a corresponding abutment surface of the impeller when the threaded portions are screwed together thereby tightening the threads to provide a rotationally fixed connection between the impeller and the shaft. The first part is rotationally fixed relative to the second part at a joint. The threaded portion of the shaft is axially spaced a first distance from the abutment surface of the shaft. The threaded portion of the shaft is axially spaced from the joint by a second distance which is greater than the first distance. The threaded portion of the shaft and the joint are on the same side of the impeller. The impeller has a connector which provides the corresponding threaded portion and the corresponding abutment surface. The connector is rotationally fixed relative to the rest of the impeller.

No. of Pages: 22 No. of Claims: 13

(21) Application No.1877/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :16/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : USE OF CANNABINOIDS AND TERPENES FOR TREATMENT OF ORGANOPHOSPHATE AND CARBAMATE TOXICITY

(51) International classification
(31) Priority Document No
(32) Priority Date
(33) Name of priority country
:A61K31/352,A61F
:61/738,782
:18/12/2012
:U.S.A.

(86) International Application No :PCT/US2013/076223 Filing Date :18/12/2013

(87) International Publication No :WO 2014/100231

(61) Patent of Addition to Application
Number
Filing Date
(62) Divisional to Application Number
Filing Date
:NA
Filing Date
:NA

:A61K31/352,A61P11/00 (71)**Name of Applicant :** 

1)KOTZKER CONSULTING LLC

Address of Applicant :20 Highview Lane, Yardley, PA 19067

U.S.A.

(72)Name of Inventor: 1)MORGAN, Joseph

#### (57) Abstract:

Pharmaceutical compositions in which isolated cannabinoid receptor modulators are optionally combined with terpene blends in a pharmaceutically acceptable carrier. Methods for treating or preventing a disease, disorder, dysfunction or condition caused by exposure to an organophosphate or carbamate acetylcholineesterase inhibitor with the inventive compositions are also disclosed.

No. of Pages: 48 No. of Claims: 30

(21) Application No.1878/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 16/06/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: DETERMINATION OF LOCATION OF BACTERIAL LOAD IN THE LUNGS

:G01N33/497,G01N21/39 (71)Name of Applicant : (51) International classification (31) Priority Document No :61/736,239 (32) Priority Date :12/12/2012 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2013/074629 Filing Date :12/12/2013

(87) International Publication No :WO 2014/093604

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA 1)AVISA PHARMA INC. Address of Applicant: 1660 Old Pecos Trail Suite A Santa Fe,

New Mexico 87505 U.S.A. (72) Name of Inventor:

1)PERKETT, Elizabeth, A.

### (57) Abstract:

The present invention is direct to methods of determining the location of a bacterial load in the lungs of a subject.

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

(21) Application No.1879/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :16/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : METHOD FOR REDUCING ENERGY CONSUMPTION IN A PROCESS TO PURIFY STYRENE MONOMER

<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>	:19/12/2012 :WO 2014/098816	(71)Name of Applicant:  1)TECHNIP PROCESS TECHNOLOGY INC.  Address of Applicant: 11740 Katy Freeway Houston Texas 77079 U.S.A.  (72)Name of Inventor:  1)WELCH Vincent
ě .	:19/12/2012	1)WELCH Vincent
• /	:WO 2014/098816	
	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An energy conservation process directed to the purification of styrene monomer via distillation after the dehydrogenation reaction of ethylbenzene to produce crude styrene is disclosed. As practiced today the purification of styrene via distillation requires large amount energy (i.e. steam) to provide heat to the various distillation columns. The presently disclosed improved process allows for a reduction in the amount of steam needed for this purpose.

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

(21) Application No.1992/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :23/06/2015

(43) Publication Date: 29/01/2016

#### (54) Title of the invention: BOGIE FOR ROLLING STOCK

(51) International classification	:B61F 5/30	(71)Name of Applicant:
(31) Priority Document No	:2013-002735	1)KAWASAKI JUKOGYO KABUSHIKI KAISHA
(32) Priority Date	:10/01/2013	Address of Applicant :1-1, Higashika wasaki-cho 3-chome,
(33) Name of priority country	:Japan	Chuo-ku, Kobe-shi, Hyogo 6508670 Japan
(86) International Application No	:PCT/JP2014/000006	(72)Name of Inventor:
Filing Date	:06/01/2014	1)NISHIMURA, TAKEHIRO
(87) International Publication No	:WO 2014/109280	2)NAKAO, SHUNICHI
(61) Patent of Addition to Application	:NA	3)OKUMURA, YASUFUMI
Number	:NA	4)ANDO, SHINTARO
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A railcar bogic includes: a cross beam supporting a carbody of a railcar; a pair of axles arranged at both respective sides of the cross beam in a car longitudinal direction and extending in a car width direction; bearings provided at both car width direction sides of each of the axles and rotatably supporting the axles; axle boxes accommodating the respective bearings; plate springs supporting both respective car width direction end portions of the cross beam and extending in the car longitudinal direction, both car longitudinal direction end portions of each of the plate springs being supported by the respective axle boxes; and pressing members located at both respective car width direction end portions of the cross beam and placed on respective car longitudinal direction middle portions of the plate springs, a lower surface of a portion of each of the pressing members having a circular-arc shape that is convex downward in a side view, the portion pressing the plate spring, an upper surface of a middle portion of each of the plate springs having the circular-arc shape that is convex downward in the side view, the middle portion being pressed by the pressing member, and a curvature of the lower surface of the plate spring larger than the curvature of the upper surface of the middle portion of the plate spring.

No. of Pages: 32 No. of Claims: 8

(22) Date of filing of Application :23/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : OPTIMIZED TECHNIQUE FOR STAGING AND DE-STAGING PUMPS IN A MULTIPLE PUMP SYSTEM

(51) International classification :F04D15/00,F04E (31) Priority Document No :61/738,129 (32) Priority Date :17/12/2012 (33) Name of priority country :U.S.A.

(86) International Application No
Filing Date

(87) International Publication No :WO 2014/099877

(61) Patent of Addition to Application
Number
Filing Date
(62) Divisional to Application Number
Filing Date
:NA
Filing Date
:NA

:F04D15/00,F04D15/02 (71)**Name of Applicant :** 

1)ITT MANUFACTURING ENTERPRISES LLC

Address of Applicant :1105 North Market Street, Suite 1300,

Wilmington, Delaware 19801 U.S.A.

(72)Name of Inventor: 1)STAVALE, Anthony E.

#### (57) Abstract:

Apparatus (10) is provided featuring a signal processor or processing module (10a) configured at least to: receive signaling (S) containing information about system energy consumption related to multiple pump combinations running in a multiple pump system (12); and determine whether to stage or de-stage a pump in the multiple pump system (12), based at least partly on the signaling (S) received. The signal processor or processing module (10a) is configured to provide corresponding signaling containing information about whether to stage or de-stage the pump in the multiple pump system (12), and to implement control logic or a control logic algorithm based at least partly on the system energy consumption taking the form of specific energy that is a measure of energy used per unit mass for the multiple pump combinations running in the multiple pump system (12).

No. of Pages: 54 No. of Claims: 32

(21) Application No.1880/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :16/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : AUXILIARY WASHING MACHINE AND CLOTHES TREATMENT APPARATUS 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> </ul>	:D06F 29/00 :10-2013-0004676 :16/01/2013 :Republic of Korea :PCT/KR2013/008523 :24/09/2013	(72)Name of Inventor:
<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>	:WO 2014/112704 :NA :NA :NA :NA	1)LEE, DONGSOO 2)KIM, DONGWON

#### (57) Abstract:

Disclosed are an auxiliary washing machine (300) and a clothes treatment apparatus (100) using the same. The clothes treatment apparatus (100) includes a main washing machine (200) configured to treat laundry and an auxiliary washing machine (300) located at one side of the main washing machine. The auxiliary washing machine (300) includes a frame defining an accommodation space, a drawer (410) configured to be accommodated in the accommodation space, the drawer (410) defining a space for storage of wash water, a rotating structure (430) placed within the drawer (410), the rotating structure (430) having a rotating shaft (431) penetrating the drawer (410) so as to treat laundry, a motor provided below the drawer (410) and serving to rotate the rotating structure (430), and a front panel (320) located in front of the drawer (410), the front panel (320) defining a front external appearance of the auxiliary washing machine (300).

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

(21) Application No.1881/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :16/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: INK FOR INKJET RECORDING AND RECORDING METHOD THEREWITH

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C09D11/00,B41J2/01,B41M5/00 :2013-014002 :29/01/2013	<ul> <li>(71)Name of Applicant:</li> <li>1)RICOH COMPANY, LTD.</li> <li>Address of Applicant: 3-6, Nakamagome 1-chome, Ohta-ku,</li> </ul>
(33) Name of priority country	:Japan	Tokyo, 1438555 Japan
(86) International Application No Filing Date (87) International Publication No	:PCT/JP2014/052368 :27/01/2014 :WO 2014/119771	<ul> <li>(72)Name of Inventor:</li> <li>1)FUJII Ichiroh</li> <li>2)TODA, Naohiro</li> <li>3)NAKAGAWA, Tomohiro</li> <li>4)NAGASHIMA, Hidefumi</li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

An ink for inkjet recording, including: water; a water-soluble organic solvent; a pigment; and resin particles, wherein 50% by mass or more of the water-soluble organic solvent is a water-soluble organic solvent having a boiling point of lower than 200°C, and the water-soluble organic solvent having a boiling point of lower than 200°C comprises 3-methoxy-3-methyl-1-butanol.

No. of Pages: 64 No. of Claims: 10

(21) Application No.1990/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :23/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: BOGIE FOR ROLLING STOCK

<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>	:2013-002734 :10/01/2013 :Japan :PCT/JP2014/000005 :06/01/2014 :WO 2014/109279	(71)Name of Applicant:  1)KAWASAKI JUKOGYO KABUSHIKI KAISHA Address of Applicant:1-1, Higashikawasaki-cho 3-chome, Chuo-ku, Kobe-shi, Hyogo 6508670 Japan (72)Name of Inventor: 1)NISHIMURA, Takehiro 2)NAKAO, Shunichi
(86) International Application No	1	(72)Name of Inventor:
<u> </u>		
	:WO 2014/109279	2)NAKAO, Shunichi
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

This bogie is provided with a bogie frame having a cross beam for supporting the body of the rolling stock, a pair of axles arranged along the bogie width direction on both sides of the cross beam in the bogie length direction, bearings which are arranged on both sides of the axles in the bogie width direction and which rotatably support the axles, an axle box which houses the axles, and a linking device which links the axle box and the bogie frame, wherein the linking device includes a first member which protrudes from the axle box towards the bogie frame, a second member which protrudes from the bogie frame towards the first member, and a linking part for linking the first member and the second member, and the second member is a separate from the bogie frame and is positioned abutting on the bogie frame.

No. of Pages: 23 No. of Claims: 5

(22) Date of filing of Application: 23/06/2015 (43) Publication Date: 29/01/2016

:NA

# (54) Title of the invention : HOST BASE STATION, LOWER-ORDER BASE STATION, AND WIRELESS COMMUNICATION SYSTEM

(51) International classification :H04W92/20,H04W16/32 (71)Name of Applicant : (31) Priority Document No 1)NTT DOCOMO, INC. :2013-001813 (32) Priority Date :09/01/2013 Address of Applicant: 11-1, Nagatacho 2-chome, Chiyoda-ku, (33) Name of priority country Tokyo 100-6150 Japan :Japan (86) International Application No :PCT/JP2013/068740 (72) Name of Inventor: Filing Date :09/07/2013 1)MORIOKA, Yasufumi (87) International Publication No :WO 2014/109082 2)OKUMURA, Yukihiko (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA

#### (57) Abstract:

Filing Date

The present invention is equipped with: a host base station; lower order base stations having more limited control functions than the control functions of the host base station; user equipment capable of communicating wirelessly with the host base station and the lower order base stations; an exchange; and a gateway device. The host base station has multiple interfaces used for communication in a control plane and a transmission/reception unit that transmits/receives with respect to the lower order base stations via an X3 interface. The lower order base stations are equipped with an interface used for communication in a user plane and an X3 interface used for communication with the host base station. The operation of the lower order base stations is controlled by control messages transmitted from the host base station.

No. of Pages: 43 No. of Claims: 19

(22) Date of filing of Application :23/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: PRODUCTION METHOD FOR POLYTETRAFLUOROETHYLENE AQUEOUS DISPERSION

<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 Filing Date</li> </ul>	:C08F2/26,C08F14/18 :61/731880 :30/11/2012 :U.S.A. :PCT/JP2013/082351 :02/12/2013 :WO 2014/084397 :NA :NA :NA	(71)Name of Applicant:  1)DAIKIN INDUSTRIES LTD.  Address of Applicant: Umeda Center Building 4 12 Nakazaki Nishi 2 Chome Kita Ku Osaka Shi Osaka 5308323 Japan (72)Name of Inventor:  1)NANBA Yoshinori
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#### (57) Abstract:

The purpose of the present invention is to provide a method with which a fluoropolymer aqueous dispersion having an extremely small particle size and exhibiting excellent dispersion stability can be produced even without using long chain fluorine containing surfactants. In this production method for an aqueous dispersion including at least one fluoropolymer selected from the group consisting of polytetrafluoroethylene and melt fabricable fluorine resins (other than polytetrafluoroethylene) polymerization of a fluoromonomer is performed in an aqueous medium in the presence of a polymerization initiator and a fluorine containing surfactant having a LogPOW of not more than 3.4. The production method for the fluoropolymer aqueous dispersion is characterized in that the quantity of the fluorine containing surfactant corresponds to 4600 500000 ppm of the aqueous medium.

No. of Pages: 51 No. of Claims: 6

3)MESNAGE Didier

(19) INDIA

(22) Date of filing of Application :23/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: ENERGY ABSORPTION DEVICE FOR AIRCRAFT STRUCTURAL ELEMENT

(51) International classification: B64C1/06,B64C3/20,B64C11/26 (71) Name of Applicant: (31) Priority Document No 1)EUROPEAN AERONAUTIC DEFENCE AND SPACE :12 62895 (32) Priority Date :27/12/2012 COMPANY EADS FRANCE (33) Name of priority country :France Address of Applicant :37 boulevard de Montmorency F 75016 (86) International Application Paris France :PCT/EP2013/076731 (72) Name of Inventor: :16/12/2013 Filing Date 1)PETIOT Caroline (87) International Publication 2)BERMUDEZ Michel :WO 2014/102082

(61) Patent of Addition to
Application Number
Filing Date
:NA

(62) Divisional to Application
Number
Filing Date
:NA
:NA

### (57) Abstract:

The invention concerns a device for absorbing kinetic energy for an aircraft structural element that may undergo a dynamic impact this device comprising: an outer enclosure (21) made from a braided composite material capable of preserving its integrity after an impact a foam core (22) contained in the outer enclosure and capable of at least partially filling said outer enclosure (21) said foam core (22) being capable of at least partially absorbing the kinetic energy generated by the impact and reinforcing elements (30) integrated at least partially into the foam core in order to dissipate combined with the form core (22) the kinetic energy generated by the impact; the reinforcing elements (30) comprising discontinuous threads (32) inserted into the foam core (22) by stitching and the discontinuous threads (32) each include an L or T shaped head (33) folded down outside the outer enclosure (21).

No. of Pages: 21 No. of Claims: 12

(21) Application No.1988/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :23/06/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: NITROGEN CONTAINING HETEROCYCLIC COMPOUND

(51) International

:C07D213/82,A61K31/4545,A61K31/4725

classification

(31) Priority :2012263100 Document No (32) Priority Date :30/11/2012

(33) Name of priority :Japan

country

(86) International :PCT/JP2013/082127 Application No

:29/11/2013 Filing Date

(87) International :WO 2014/084330

Publication No

(61) Patent of Addition:NA to Application Number :NA

Filing Date (62) Divisional to :NA Application Number :NA Filing Date

(71)Name of Applicant:

1)KYOWA HAKKO KIRIN CO. LTD.

Address of Applicant : 1 6 1 Ohtemachi Chiyoda ku Tokyo

1008185 Japan

(72)Name of Inventor:

1)UCHIDA Kenii

2)KANAI Toshimi

3)HOMMA Masakazu

4)ARATAKE Seiii

5) ISHIMORI Tatsuya

#### (57) Abstract:

This nitrogen-containing heterocyclic compound or pharmaceutically acceptable salt thereof is, for example, useful as a prophylactic and/or therapeutic agent and the like for dermatosis and the like. The present invention provides a heterocyclic compound represented by general formula (I) or a pharmaceutically acceptable salt and the like thereof that is, for example, useful as a prophylactic and/or therapeutic agent for dermatosis and the like. [In the formula, for example, XA is CH or the like, R1 is a cycloalkyl or the like optionally having substitution groups, L is a bond or the like, YA is -NH- or the like, R2 is a hydrogen atom or the like, R3A is the formula (R3A-1) (where R3 is a hydroxyl, or the like), and R4A is the formula (R4A-1) (where R4 and R5 are the same or different hydrogen atoms, or the like).]

No. of Pages: 256 No. of Claims: 33

(21) Application No.1989/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :23/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: INERTIAL 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</li> <li>Number</li> <li>Filing Date</li> </ul>	:30/01/2014 :WO 2014/119801 :NA :NA	(71)Name of Applicant:  1)RICOH COMPANY, LTD.  Address of Applicant: 3-6, NAKAMAGOME 1-CHOME, OHTA-KU, TOKYO, 1438555 Japan (72)Name of Inventor:  1)MATSUSHITA, YUSUKE
- 13:555 - 5	:NA :NA :NA	

#### (57) Abstract:

An inertial device is disclosed that includes an inertial sensor unit configured to generate an output representing motion of a target holding the inertial device; a storage unit configured to store factors which are associated with different outputs to be generated by the inertial sensor unit, respectively; a generation unit configured to generate a waveform which represents variation of velocity of the inertial device in a predetermined period by using one of the factors corresponding to the output generated by the inertial sensor unit; a combination unit configured to combine the waveform with one or more previous waveforms which have been generated by the generation unit; and an estimation unit configured to estimate a position where the inertial device is currently located using a velocity obtained from the combined waveform.

No. of Pages: 127 No. of Claims: 11

(21) Application No.1882/KOLNP/2015 A

(19) INDIA

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

(43) Publication Date: 29/01/2016

## (54) Title of the invention: APPARATUS FOR EMITTING AND/OR RECEIVING ULTRASOUND AND ULTRASONIC SENSOR FOR EXAMINING A VALUE DOCUMENT

(51) International classification :G07D 7/02 (31) Priority Document No :10 2006 061 337.6 (32) Priority Date :22/12/2006

(33) Name of priority country :Germany (86) International Application No :PCT/EP2007/011208 (72)Name of Inventor : Filing Date :19/12/2007

(87) International Publication No :WO/2008/077566

(61) Patent of Addition to Application :NA Number :NA Filing Date

(62) Divisional to Application Number :2379/KOLNP/2009 Filed on :26/06/2009

(71)Name of Applicant:

1) GIESECKE & DEVRIENT GMBH

Address of Applicant: PRINZREGENTENSTRASSE 159,

81677 MÜNCHEN, Germany

1)DOMKE, JAN

2)LOHNER, JOSEPH

3)MOSSLER, HANS-UWE

#### (57) Abstract:

The present invention relates to an ultrasonic sensor for checking a value document in a detection area of the ultrasonic sensor by means of ultrasound of a predetermined frequency having an ultrasonic converter acting as a transmitter for the ultrasound and an ultrasonic converter acting as a receiver for the ultrasound, wherein the ultrasonic converters are so disposed as to form an ultrasound path extending through the detection area, and wherein at least one of the ultrasonic converters has a surface portion inclined relative to the ultrasound path for radiating ultrasound and/or receiving ultrasound.

No. of Pages: 50 No. of Claims: 16

(21) Application No.1883/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :16/06/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: METHOD OF TREATING INDUSTRIAL WATER

(51) International classification :C02F1/463,C02F1/58,C02F9/04 (71)Name of Applicant :

(31) Priority Document No :20126356 (32) Priority Date :20/12/2012

(33) Name of priority country :Finland

(86) International Application No:PCT/FI2013/051190 Filing Date

:20/12/2013 (87) International Publication No: WO 2014/096549

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)OUTOTEC (FINLAND) OY

Address of Applicant :Rauhalanpuisto 9 FI-02230 Espoo

Finland

(72) Name of Inventor:

1)VAN DER MEER, Tuomas

2) NEVATALO, Laura 3)TANNINEN, Jukka

### (57) Abstract:

The invention relates to a method and apparatus of removing sulphate and soluble metals such as calcium from water. The invention relates also to a method of controlling the method. The method comprises steps of a) precipitating a first part of sulphate of the water by contacting the water with a first calcium compound and adjusting pH of the water to 10.5 or higher so as to form a first sludge containing gypsum and metal hydroxides, b) subjecting the first sludge containing gypsum to electrocoagulation for precipitating a second part of sulphate as ettringite, and for precipitating calcium-aluminium/iron-sulphate hydroxides, c) conducting the sludge formed in steps a) and b) to solid-liquid separation for separating precipitated solids from the water, d)neutralizing the water received from step c) to provide water decreased in sulphate and soluble metal such as calcium content.

No. of Pages: 39 No. of Claims: 30

(22) Date of filing of Application :16/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : LACTOBACILLUS HAVING ABILITY TO INDUCE IL-12-PRODUCTION, AND METHOD FOR CULTURING 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:C12N1/20,C12N1/04 :2012-267793 :07/12/2012 :Japan :PCT/KR2013/006528 :22/07/2013 :WO 2014/088183 :NA :NA	(71)Name of Applicant:  1)BIOGENICS KOREA CO., LTD.  Address of Applicant: (Dapsimni dong) 18, Dapsimni-ro 40- gil, Dongdaemun-gu, Seoul 130-804 REPUBLIC OF KOREA  2)BIO-LAB LTD.  3)THE JAPANESE ASSOCIATION OF CLINICAL RESEARCH ON SUPPLEMENTS (72)Name of Inventor:  1)KAN, Tatsuhiko  2)OHWAKI, Makoto
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention provides a novel technology which is capable of producing a large volume of Lactobacillus bacteria and increasing the activity of the obtained Lactobacillus. The Lactobacillus is prepared by culturing in a culture medium and adding an alkaline chemical while controlling the pH, and sterilizing the Lactobacillus by applying stress in the later stage of the cultivation so as to produce Lactobacillus having the ability to induce IL-12 production. Applying stress is preferably selected from the group consisting of: (a) cultivating without adding an alkaline chemical; (b) cultivating at a temperature range in which propagation is suppressed; (c) cultivating by adding 1 wt% or more of salt; and/or (d) cultivating at pH of 5 or below.

No. of Pages: 29 No. of Claims: 11

(21) Application No.1885/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 17/06/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: SCALABLE THREE DIMENSIONAL ELASTIC CONSTRUCT MANUFACTURING

(51) International :A61L27/22,A61K38/39,C07K14/78 classification

(31) Priority Document No :2012905409 (32) Priority Date :10/12/2012 (33) Name of priority country: Australia

(86) International :PCT/AU2013/001435

Application No :10/12/2013

Filing Date

(87) International Publication :WO 2014/089610

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to

:NA **Application Number** :NA Filing Date

(71)Name of Applicant: 1)ELASTAGEN PTY LTD

Address of Applicant : National Innovation Centre 4 Cornwallis Street Eveleigh New South Wales 2015 Australia

(72) Name of Inventor: 1)WEISS Anthony Steven 2)MITHIEUX Suzanne Marie

## (57) Abstract:

The present invention relates to tropoelastin and to tissue repair and restoration using elastic materials. Disclosed is a process for producing an elastic material from tropoelastin including heating a solution of tropoelastin to form an elastic material from the tropoelastin in the solution. Also disclosed are elastic materials prepared according to this process and their applications.

No. of Pages: 74 No. of Claims: 23

(21) Application No.1996/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :23/06/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: PREPARATION OF 3 AMINO PIPERIDINE COMPOUNDS VIA NITRO TETRAHYDROPYRIDINE **PRECURSORS**

(51) International :C07D211/02,C07D225/06,C07D211/48

:12195149.5

classification (31) Priority Document

(32) Priority Date :30/11/2012

(33) Name of priority :EPO

country

(86) International

:PCT/EP2013/075072 Application No

Filing Date

:29/11/2013

(87) International

:WO 2014/083150 **Publication No** 

(61) Patent of Addition to :NA **Application Number** Filing Date

:NA

(62) Divisional to :NA **Application Number** :NA Filing Date

(71) Name of Applicant:

1)LEK PHARMACEUTICALS D.D.

Address of Applicant : Verovskova 57 1526 Ljubljana Slovenia

(72)Name of Inventor: 1)STAVBER Gaj

2)CLUZEAU Jerome

# (57) Abstract:

The present invention relates to the preparation of 3 amino piperidine compounds via nitro tetrahydropyridine precursors and salts thereof. These compounds can be used as intermediates in the synthesis of pharmaceutically active agents such as tofacitinib or derivatives thereof.

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

(21) Application No.1890/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 17/06/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: COATED CUTTING TOOL AND METHOD FOR MANUFACTURING THE SAME

(51) International classification: C23C16/36,B23B27/14,B23C5/20 (71) Name of Applicant:

:12007829 (31) Priority Document No (32) Priority Date :21/12/2012 (33) Name of priority country :Sweden

(86) International Application :PCT/EP2013/077665

No

:20/12/2013 Filing Date

(87) International Publication

:WO 2014/096348

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract:

1)SANDVIK INTELLECTUAL PROPERTY AB Address of Applicant: S 811 81 Sandviken Sweden (72) Name of Inventor: 1)BJÖRMANDER Carl

The present invention provides a coated cutting tool comprising a substrate with a rake side a clearance side and a cutting edge and a coating comprising a first layer and a second layer where the second layer comprises a sandwich structure consisting of an inner layer an intermediate layer and an outer layer wherein the inner layer is exposed through an opening in the outer layer and said opening extends over at least a portion of the width of the cutting edge. Thereby a double layer is provided in critical areas whereas a single layer is provided in other areas. Preferably the double oxide layer is an aluminum oxide layer. A method for manufacturing the coated cutting tool is also provided.

No. of Pages: 27 No. of Claims: 19

(21) Application No.1891/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 17/06/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: METHODS AND APPARATUSES FOR CONTROLLING CONTROL CHANNEL INTER CELL INTERFERENCE

(51) International :H04J11/00,H04L5/00,H04W16/02

classification :61/740527 (31) Priority Document No

(32) Priority Date :21/12/2012 (33) Name of priority country :U.S.A.

(86) International Application :PCT/SE2013/051428 No

:02/12/2013 Filing Date

(87) International Publication

:WO 2014/098719

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant:

1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)

Address of Applicant :SE 164 83 Stockholm Sweden

(72)Name of Inventor: 1)WANG Hongwei

2)SUN Ying

3)KORSFELDT Dan

### (57) Abstract:

Methods and arrangements for mitigating or avoiding inter cell interference on a control channel on which scheduling request are transmitted from UEs to a serving base station. The solution relates to classifying the UEs based e.g. on the type of services applied by the UEs and allocating resources on the control channel based on the classification.

No. of Pages: 52 No. of Claims: 34

(21) Application No.1892/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :17/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: NON CONSECUTIVE SUBFRAMES IN MULTI TTI SCHEDULING MESSAGES

<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>	:H04W72/12 :61/740471 :21/12/2012 :U.S.A. :PCT/SE2013/050029 :18/01/2013 :WO 2014/098700 :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant :SE 164 83 Stockholm Sweden (72)Name of Inventor: 1)HAMMARWALL David 2)LARSSON Daniel 3)RAHMAN Muhammad Imadur
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### (57) Abstract:

The embodiments herein relate to method in a network node (301) for handling scheduling of a wireless device (305) in a communications network (300). The network node (301) is adapted to communicate with the wireless device (305) over a radio channel (310). The network node (301) dynamically allocates a set of non consecutive subframes in which the network node (301) is to transmit data to the wireless device (305) or receive data from the wireless device (305). The network node (301) transmits a multi Time Transmission Interval TTI scheduling message to the wireless device (305) which multi TTI scheduling message comprises information indicating the dynamically allocated non consecutive subframes.

No. of Pages: 49 No. of Claims: 42

(22) Date of filing of Application :24/06/2015 (43) Publication Date: 29/01/2016

### (54) Title of the invention: PLANAR ANTENNA APPARATUS AND METHOD

(51) International classification :H01Q1/24,H01Q1/46,H01Q1/48 (71) Name of Applicant:

:1020130032017 (31) Priority Document No (32) Priority Date :26/03/2013 (33) Name of priority country :Republic of Korea

(86) International Application :PCT/KR2014/002564 No

:26/03/2014 Filing Date

(87) International Publication No:WO 2014/157947

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)SAMSUNG ELECTRONICS CO. LTD.

Address of Applicant: 129 Samsung ro Yeongtong gu Suwon

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(72)Name of Inventor:

1)KIM Yoon Geon 2)HONG Won Bin

3)LEE Young Ju

# (57) Abstract:

A planar antenna apparatus is provided. The apparatus includes a first radiation unit configured to transmit a signal a first feed unit configured to feed a current to the first radiation unit and apply the signal to be transmitted to the first radiation unit a first Radio Frequency (RF) ground to which a plurality of antenna elements are grounded; and a via that connects the first radiation unit to the first RF ground wherein all of the first radiation unit the first feed unit the first RF ground and the via are disposed on a first plane and wherein a capacitance value between the first radiation unit and the first feed unit and an inductance value determined by a length and a width of the radiation unit are set as values that cause a resonant frequency in a specific frequency band to be a preset value.

No. of Pages: 35 No. of Claims: 14

(22) Date of filing of Application :24/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: PROSTHESIS VALVE AND PROSTHESIS VALVE APPARATUS

(51) International classification	:A61F2/24	(71)Name of Applicant:
(31) Priority Document No	:201210566977.0	1)VENUS MEDTECH (HANGZHOU) INC.
(32) Priority Date	:24/12/2012	Address of Applicant :Unit 201 East Building of Servyou
(33) Name of priority country	:China	Building No.3738 Nanhuan Road Binjiang Hangzhou Zhejiang
(86) International Application No	:PCT/CN2013/089425	310000 China
Filing Date	:13/12/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2014/101676	1)WANG Yuehan
(61) Patent of Addition to Application	:NA	2)QI Jun
Number	:NA	3)LEI Rongjun
Filing Date	.IVA	4)ZHANG Qiming
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A prosthesis valve comprises leaf skirt (1) with an annular structure formed by a plurality of sequentially spliced leaf skirt units (11). The leaf skirt (1) is provided with a plurality of notches (13). A position each notch (13) is located is correspondently provided with a leaf lobe (2) and a boundary of each notch (13) is a fixing edge (131) of the leaf lobe. The sewed boundary of two mutually sewed adjacent leaf skirts (11) is a spliced line (111) two ends of the spliced line (111) of the adjacent leaf skirt units (11) are separately located on the fixing edge (131) of the leaf lobe and the bottom edge (12) of the leaf skirt (1) and the spliced line (111) is distributed along a shortest route between the fixing edge (131) of the leaf lobe and the bottom edge (12) of the leaf skirt (1). Compared with the spliced line in the prior art the spliced line (111) is the shortest so that the minimum number of threads for sewing the spliced line (111) is needed thereby reducing the risk caused by the manual sewing and improving the use safety.

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

(21) Application No.1910/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :17/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: AUTOMATED INTRAOCULAR LENS INJECTOR DEVICE

(51) International classification	:A61F2/16,A61F9/007	(71)Name of Applicant:
(31) Priority Document No	:61/808,053	1)NOVARTIS AG
(32) Priority Date	:03/04/2013	Address of Applicant :Lichtstrasse 35, CH-4056 Basel
(33) Name of priority country	:U.S.A.	Switzerland
(86) International Application No	:PCT/US2014/031589	(72)Name of Inventor:
Filing Date	:24/03/2014	1)DOWNER, David A.
(87) International Publication No	:WO 2014/165345	2)TRAN, Tu C.
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An IOL injection device comprises a tubular housing with a plunger longitudinally disposed within the tubular housing. The device is configured so that when the plunger is translated towards the front of the device, its tip engages an intraocular lens insertion cartridge mounted at or near the front end of the housing. The IOL injection device further comprises a control circuit. The control circuit is configured to perform the steps of advancing the plunger to a critical point at which an axial compressive force on the lens suddenly increases, retracting the plunger from the critical point to a sufficient distance for material of the intraocular lens to relax, pausing to allow the material of the intraocular lens to relax, advancing the plunger to the critical point a second time, and continuing to advance the plunger beyond the critical point to implant the intraocular lens.

No. of Pages: 32 No. of Claims: 16

(19) INDIA

(22) Date of filing of Application: 18/06/2015

(21) Application No.1911/KOLNP/2015 A

(43) Publication Date: 29/01/2016

(54) Title of the invention: 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>	:B62K5/05 :2012279996 :21/12/2012 :Japan :PCT/JP2013/084285 :20/12/2013 :WO 2014/098228 :NA :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)IIZUKA Toshio 2)HIRAYAMA Yosuke
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#### (57) Abstract:

The purpose of the present invention is to provide a vehicle comprising two front wheels and a vehicle frame capable of being inclined and capable of reducing the size of the vehicle in both the left/right direction and the front/rear direction. A link support section rotatably supports an upper cross member and a lower cross member, in a state in which the acute angle between a virtual plane vertical to the rotation axis of the upper cross member and the lower cross member and the up/down direction of the vehicle frame is smaller than the acute angle between the rotation axis of a steering shaft and the up/down direction of the vehicle frame. An upper/lower frame section is arranged such that the upper end of the forward edge thereof is parallel to the rotation axis of the steering shaft and is in front of a virtual plane that comes in contact with the rear sections of the right front wheel and left front wheel in vehicle upright state. The width in the left/right direction between the upper end and the lower end on the forward edge is formed so as to be smaller than the gap between the right front wheel and the left front wheel, and the acute angle between a virtual line passing through the upper end and the lower end and the up/down direction of the vehicle frame is formed so as to be smaller than the acute angle between the rotation axis of the steering shaft and the up/down direction of the vehicle frame.

No. of Pages: 61 No. of Claims: 8

(22) Date of filing of Application :24/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : INFORMATION PROCESSING DEVICE, INFORMATION PROCESSING METHOD, PROGRAM, AND INFORMATION STORAGE MEDIUM

(71)Name of Applicant: (51) International classification :G06F 3/0481 1)SONY COMPUTER ENTERTAINMENT INC. (31) Priority Document No :2013-060526 Address of Applicant: 1-7-1, KONAN, MINATO-KU, (32) Priority Date :22/03/2013 TOKYO 1080075 Japan (33) Name of priority country :Japan (72) Name of Inventor: (86) International Application No :PCT/JP2014/057482 1)SATO, SUMINO Filing Date :19/03/2014 2)NAGAI, NORIHIRO (87) International Publication No :WO 2014/148532 3)YAMAMOTO,TORU (61) Patent of Addition to Application :NA 4)NAKAMURA, YUJI Number 5) UCHINO, RYOTA :NA Filing Date 6)NAKAGAWA, TAKESHI (62) Divisional to Application Number :NA 7)SAITO, MAKOTO Filing Date :NA 8)NOMURA, MASANORI

## (57) Abstract:

An image of a folder linked to one program is displayed on a display section by a simpler operation than a conventional operation. A control section displays a program icon image (44a) on a display section, the program icon image (44a) being an image associated with a program, and being an image causing processing related to the program to be performed in response to reception of a predetermined operation the image. The control section changes the program icon image (44a) displayed on the display section and associated with the program to a folder corresponding image (44b) in response to reception of an instruction to generate a folder linked to the program, the folder corresponding image (44b) being an image associated with the folder linked to the program, and being an image causing the program corresponding image (44a) associated with the program linked to the folder to be displayed on the display section in response to reception of the predetermined operation on the image.

No. of Pages: 37 No. of Claims: 5

(21) Application No.1930/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :18/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : CONSTRUCTION AND LANDFILL METHOD FOR SOFT FOUNDATION AND FOUNDATION WITH LIQUEFACTION POTENTIAL, AND STRUCTURAL BODY BAG

<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 Filing Date</li> </ul>	:E02D3/08 :NA :NA :NA :NA :PCT/JP2013/075844 :25/09/2013 :WO 2015/045024 :NA :NA :NA	(71)Name of Applicant:  1)METRY CO., LTD.  Address of Applicant: 2-14-37, Dote, Kazo-shi Saitama 3470056 Japan  2)PACIFIC CONSULTANTS CO., LTD.  3)MATSUOKA Hajime (72)Name of Inventor:  1)NOMOTO Futoshi  2)SHIMADA Hiroshi
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#### (57) Abstract:

Construction on a soft foundation and on a foundation with liquefaction potential, provided with: a structural body production step for filling a structural body bag (100) with a filler (200) and producing a structural body (300); a recess formation step for forming a recess (304) in a state in which the center part is maximally indented on a bottom surface (302) of the structural body (300); and a foundation reinforcing step for placing the structural body (300), in the state of having the recess (304) formed thereon, on a soft foundation (400) or a foundation (410) with liquefaction potential, and producing a reinforced foundation (500). It is thereby possible to reinforce a soft foundation or a foundation with liquefaction potential in a simple and reliable manner.

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

(21) Application No.1933/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :18/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: METHOD BASE STATION AND SYSTEM FOR SENDING RRC SIGNALING

<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>	:H04W76/02 :201210593797.1 :31/12/2012 :China :PCT/CN2013/089426 :13/12/2013 :WO 2014/101677 :NA :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD. Address of Applicant: Huawei Administration Building Bantian Longgang Shenzhen Guangdong 518129 China (72)Name of Inventor: 1)LIU Wenji 2)HUANG Qufang 3)ZHANG Hongping 4)ZENG Qinghai
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#### (57) Abstract:

Embodiments of the present invention disclose a method, a base station and a system for sending RRC signaling. In the method provided in the embodiments of the invention for sending the RRC signaling, a micro base station and a macro base station are used to participate in configuration and generation of an RRC reconfiguration message, and only one RRC entity is established in the micro base station to generate a configuration parameter or an RRC entity; and the RRC reconfiguration message generated by means of the coordination between the micro base station and the macro base station is uniformly sent by the macro base station to a user equipment. Therefore, the user equipment (UE) can also support the RRC reconfiguration message sent by the micro base station even only an SRB corresponding to the macro base station is established, thereby reducing the design complexity and the cost.

No. of Pages: 44 No. of Claims: 19

(21) Application No.1934/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :18/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : CACHING METHOD FOR DISTRIBUTED STORAGE SYSTEM NODE AND COMPUTER READABLE 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</li> <li>Number Filing Date</li> </ul>	:28/12/2012 :WO 2014/101108 :NA :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD.  Address of Applicant: Huawei Administration Building Bantian Longgang District Shenzhen Guangdong 518129 China (72)Name of Inventor:  1)GUO Hongxing
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Provided are a caching method for a distributed storage system, a node and a computer readable medium. The method comprises: a lock client node sending a lock notification for strip data; if the lock notification is a first read lock notification or write lock notification, a server node of an owner of the strip data recording the lock client node as the owner of strip data, so as to enable the lock client node to cache the strip data; and if the lock notification is not a first read lock notification, the lock client node reading the strip data from a cache of the lock client node of the owner of the strip data.

No. of Pages: 64 No. of Claims: 23

(22) Date of filing of Application :25/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : SEPARATION SYSTEMS, ELEMENTS, AND METHODS FOR SEPARATION UTILIZING STACKED MEMBRANES AND SPACERS

<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>	:20/12/2013 :WO 2014/100766 :NA	(71)Name of Applicant: 1)PORIFERA, INC. Address of Applicant:3502 BREAKWATER COURT HAYWARD, CA 94545 U.S.A. (72)Name of Inventor: 1)BENTON, CHARLES 2)BAKAJIN, OLGICA
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

An example separation system includes a stack of membrane plate assemblies. An example membrane plate assembly may include membranes bonded to opposite sides of a spacer plate. The spacer plate may include a first opening in fluid communication with a region between the membranes, and a second opening in fluid communication with a region between membrane plate assemblies. Adjacent membrane plate assemblies in the stack may have alternating orientations such that bonding areas for adjacent membranes in the stack may be staggered. Accordingly, two isolated flows may be provided which may be orthogonal from one another.

No. of Pages: 66 No. of Claims: 29

(21) Application No.1936/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 19/06/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention : LAMINATED CORE AND METHOD FOR CONNECTING SHEET METAL PARTS TO FORM A LAMINATED CORE

(51) International classification: B32B15/08,C21D8/12,H01F1/18 (71) Name of Applicant: (31) Priority Document No 1)VOESTALPINE STAHL GMBH :A50576/2012 (32) Priority Date Address of Applicant :voestalpine Straße 3 A 4020 Linz :11/12/2012 (33) Name of priority country :Austria (86) International Application (72) Name of Inventor: :PCT/AT2013/050246 1)FLUCH Ronald :11/12/2013 Filing Date (87) International Publication :WO 2014/089593 (61) Patent of Addition to :NA **Application Number** :NA

### (57) Abstract:

Number

Filing Date

Filing Date

(62) Divisional to Application

:NA

:NA

The invention relates to a laminated core (3) and to a method for connecting sheet metal parts (2) to form a laminated core (3), wherein sheet metal parts (2) are separated from a sheet metal strip (5) having, at least in some regions, a layer of curable polymer adhesive (8, 9), and the sheet metal parts (2) with adhesive-coated sides facing one another are provided above one another and are bonded under pressure to form a laminated core (3). In order to create advantageous method conditions, according to the invention a mixture (14) comprising water and a thermoplastic and/or cross-linkable adhesion promoter (15) is provided on at least one of the adhesive layers (8, 9) facing one another during bonding of the sheet metal parts (2).

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

(21) Application No.1937/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application:19/06/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: METHOD FOR PRODUCING AN APPLICATOR AND APPLICATOR

(51) International :B29C49/04,B43K15/00,B43K8/02

classification

(31) Priority Document No :10 2013 001 182.5 (32) Priority Date :24/01/2013 (33) Name of priority country :Germany

(86) International Application :PCT/EP2014/000041

:10/01/2014 Filing Date

(87) International Publication

:WO 2014/114429

(61) Patent of Addition to **Application Number** :NA

Filing Date (62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)HANSEN Bernd

Address of Applicant: Talstr. 22 30 74429 Sulzbach Laufen

Germany

(72) Name of Inventor: 1)HANSEN Bernd

### (57) Abstract:

The invention relates to a method for producing an applicator for applying liquid or pasty media (1), comprising a container (3), which stores the medium (1) in question, and an application element (5, 13), which is attached to the container (3) in a usage position in such a way that the application element provides the medium (1) outside the container (3) by capillary action for the application, characterized by the following steps: creating a hose made of thermoplastic plastic by extrusion and inserting the hose into a mold, forming a container (3) closed at the bottom by expanding the hose in the mold, at least partially filling the container (3) located in the mold with the medium (1) in question, separating the container (3) from the hose in order to form an opening accessible at the top side of the container (3), putting the application element (5, 13) into the usage position thereof by at least partially inserting the application element through the opening of the hose, and fastening the application element (5, 13) while preferably simultaneously creating a closure of the container (3) by moving movable mold parts of the mold.

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

(21) Application No.1938/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 19/06/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: CONCRETE PUMP WITH DISTRIBUTING BOOM

<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</li> <li>Filing Date</li> </ul>	:E04G21/04 :10 2012 224 529.4 :28/12/2012 :Germany :PCT/EP2013/077587 :20/12/2013 :WO 2014/102169 :NA :NA	(71)Name of Applicant:  1)PUTZMEISTER ENGINEERING GMBH Address of Applicant: Max Eyth Strasse 10 72631 Aichtal Germany (72)Name of Inventor: 1)BRAUN Matthias
. ,		
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to a work device with a stationary or movable frame (10, 10, 10) which has a substructure (14, 14, 14) fixed to the frame, a rotating head (32) which can be rotated about a vertical rotational axis (30) on a bearing block (35) of the substructure by means of a drive mechanism (33), and an extension arm (16). The extension arm (16) is mounted on a bearing point (36) of the rotating head (32) in a pivotal manner about a horizontal pivot axis (38). A hydraulic cylinder piston unit (40) is further provided, the ends of which (42, 44), said ends being fixed to the cylinder and to the piston rod, are hinged to hinge points (46, 48) on the extensionarm side and on the rotating-head side with a horizontal hinge axis. The invention is characterized in that the rotating head (32) has a base section (50) arranged on the bearing block (32) and an adapter piece (52) comprising the bearing point (36) for the extension arm (16) and the hinge point (48) on the rotating-head side for the cylinder piston unit (40). The base section (50) and the adapter piece (52) can be coupled to each other in a removable manner via a separating point (54).

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

(22) Date of filing of Application :25/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: CALL SWITCHING METHOD DEVICE AND 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>	:H04W36/00 :201210549983.5 :18/12/2012 :China :PCT/CN2013/082021	
•		
(32) Priority Date	:18/12/2012	Address of Applicant :Huawei Administration Building
(33) Name of priority country	:China	Bantian Longgang Shenzhen Guangdong 518129 China
(86) International Application No	:PCT/CN2013/082021	(72)Name of Inventor:
Filing Date	:22/08/2013	1)XIA Muqiang
(87) International Publication No	:WO 2014/094448	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The embodiment of the present invention relates to a call switching method device and system. The method comprises: determining by the call switching device if the call task is a bearer service and the style of the call task is the call of Call Mediation Node (CMN) according to the call task that the first entity calls the second entity and the received call reply from the second entity; switching the call task from the non CMN call to the CMN call and utilizing the CMN call for processing the non bearer service when the call task is the non CMN call task; switching the call task from the CMN call to the non CMN call and utilizing the non CMN call for processing the bearer service when the call task is the bearer service and the style of the call task is the CMN call task. Hence the present invention is able dynamically to control the media gateway according to the call task whereby the first entity calls the second entity and makes switching possible between non CMN media paths and CMN paths.

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

(21) Application No.2024/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :25/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: BI-RADIAL PATIENT INTERFACE

(51) International classification	:A61F9/00,A61F9/009	(71)Name of Applicant:
(31) Priority Document No	:13/757,236	1)ALCON LENSX, INC.
(32) Priority Date	:01/02/2013	Address of Applicant :33 Journey, Suite 175, Aliso Viejo,
(33) Name of priority country	:U.S.A.	California 92656 U.S.A.
(86) International Application No	:PCT/US2014/013971	(72)Name of Inventor:
Filing Date	:31/01/2014	1)GOLDSHLEGER, Ilya
(87) International Publication No	:WO 2014/120990	2)DONG, Jeremy
(61) Patent of Addition to Application	:NA	3)JUHASZ, Tibor
Number	:NA	4)LUMMIS, Wesley
Filing Date	.11/1	5)RAKSI, Ferenc
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

To improve the precision of ophthalmic surgical procedures by reducing corneal wrinkling, a patient interface for an ophthalmic system can include an attachment portion, configured to attach the patient interface to a distal end of the ophthalmic system; a contact portion, configured to dock the patient interface to an eye; and a contact element, coupled to the contact portion, configured to contact a surface of a cornea of the eye as part of the docking of the patient interface to the eye, and having a central portion with a central radius of curvature Rc and a peripheral portion with a peripheral radius of curvature Rp, wherein Rc is smaller than Rp.

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

(12)TATENT ATTLICATION TODLICATION

(22) Date of filing of Application :25/06/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: TOOL HOLDER

(51) International classification :B25D 17/08 (71)Name of Applicant: 1)HILTI AKTIENGESELLSCHAFT (31) Priority Document No :10 2012 223 094.7 (32) Priority Date Address of Applicant: FELDKIRCHERSTR. 100, CH-9494 :13/12/2012 (33) Name of priority country :Germany SCHAAN Liechtenstein (86) International Application No :PCT/EP2013/076153 (72)Name of Inventor : Filing Date :11/12/2013 1)BADER, THOMAS (87) International Publication No :WO 2014/090840 2) WIEDNER, AARON (61) Patent of Addition to Application 3) HAUPTMANN, UDO :NA Number 4)FRITSCH, FRANK :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(21) Application No.2025/KOLNP/2015 A

### (57) Abstract:

(19) INDIA

The invention relates to a tool holder (8) for a hand-held power tool (1), comprising a receiving portion (26) that extends about an axis (5) for the purpose of receiving an insertion end (7) of a tool (4). The receiving portion (26) is formed from a tube (19) coaxial with the axis (5), and an insert (43). An inner surface (51, 52) of the tube (19) forms one part (60, 61) of a wall surface (39) of the receiving portion (26). The tube (19) has a recess (44) which runs along the tube (19) in a first direction (46), which first direction (46) is at an incline to the axis (5). The insert (43) is inserted into the recess (44) in this first direction (46). A concave inner surface (57) of the insert (43) forms an additional part (59) of a wall surface (39) of the receiving portion (26). The insert (43) also has a rotational carrier rib (37) which carries the rotation, protruding from the concave inner surface (57) to the axis (5). A line proceeding from said rotational carrier rib (37) and extending through the axis (5) defines a second direction (38), said second direction (38) being at an incline to the first direction (46).

No. of Pages: 23 No. of Claims: 12

(22) Date of filing of Application :25/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: SYSTEMS AND METHODS FOR DICTIONARY BASED COMPRESSION

<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>	:22/11/2013 :WO 2014/082016 :NA :NA	(71)Name of Applicant: 1)CITRIX SYSTEMS, INC. Address of Applicant:851 West Cypress Creek Road, Fort Lauderdale, Florida 33309 U.S.A. (72)Name of Inventor: 1)ANNAMALAISAMI, Saravana 2)JAGADEESWARAN, Ashok Kumar 3)AHMED, SYED 4)JAGADISH, Ashwin
Filing Date	:NA	

### (57) Abstract:

This disclosure is directed to dictionary-based compression, which may be employed to achieve stateful header compression without maintaining a complete deflate state. The compressor may maintain a history of data streams compressed by the compressor, compressed according to a compression dictionary. Responsive to the compression of the one or more data streams, the compressor may delete the first compression dictionary from the memory. Subsequent to the deletion, the compressor may compress an additional data stream using the maintained history. The compressor may generate a second compression dictionary from at least one of: the maintained history and a portion of the additional data stream. The compressor may allocate memory for a compression state of the additional data stream and may load the maintained history into the compression state.

No. of Pages: 139 No. of Claims: 20

(22) Date of filing of Application :25/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: HOT-DIP A1-ZN ALLOY COATED STEEL SHEET AND METHOD FOR PRODUCING SAME

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C23C 2/28 :2013-017834 :31/01/2013	(71)Name of Applicant:  1)JFE GAL VANIZING & COATING CO., LTD.  Address of Applicant: 11-2, OSAKI 1-CHOME,
(33) Name of priority country	:Japan	SHINAGAWA-KU, TOKYO 1410032 Japan
<ul> <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 Filing Date</li> </ul>	1	(72)Name of Inventor: 1)OOI, TOSHIHIKO 2)OKUMA, TOSHIYUKI 3)FURUTA, AKIHIKO 4)YOSHIDA, MASAHIRO 5)MATSUZAKI, AKIRA 6)ANDO, SATORU

## (57) Abstract:

Disclosed is a method for producing a hot-dip AI-Zn alloy coated steel sheet having good corrosion resistance in flat parts as well as good workability and thereby has excellent. corrosion resistance in worked parts in a continuous galvanizing line, and a hot-dip AI-Zn alloy coated steel sheet obtained by the method. In the disclosure, the hot-dip coated steel sheet is held at a temperature of 250°C to 375 °C for 5 seconds to 60 seconds in a continuous galvanizing line.

No. of Pages: 21 No. of Claims: 9

(22) Date of filing of Application :25/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : OPTICAL NETWORK ELEMENT ELECTRIC NETWORK ELEMENT AND SIGNALING ESTABLISHMENT METHOD WHEN ELECTRIC RELAY IS IN ELECTRIC NETWORK 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</li> <li>Number Filing Date</li> </ul>	:H04B10/299 :NA :NA :NA :PCT/CN2012/086771 :17/12/2012 :WO 2014/094209 :NA :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD.  Address of Applicant: Huawei Administration Building Bantian Longgang Shenzhen Guangdong 518129 China (72)Name of Inventor:  1)ZHAO Min 2)CHEN Chunhui 3)FAN Minghui
Number		5)FAN Minghui
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Provided in an embodiment of the present invention are an optical network element electric network element and signaling establishment method when an electric relay is in the electric network element the method comprising: mapping the attribute of a fifth interface into the attribute of a third interface; informing through route flooding all optical network elements of an optical network having the optical network element of the attribute of the third interface such that the optical network element establishes a local wavelength connection for the optical network element transmits a message such that the electric network element establishes a local wavelength connection for the electric network element according to the message thus realizing the establishment of a wavelength exchange path passing through an electric relay when the electric relay is in the electric network element.

No. of Pages: 69 No. of Claims: 24

(22) Date of filing of Application :25/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : METHOD FOR FEEDING BACK CHANNEL STATE INFORMATION USER EQUIPMENT AND BASE STATION

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number :N	NA NA NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD.  Address of Applicant: Huawei Administration Building Bantian Longgang District Shenzhen Guangdong 518129 China (72)Name of Inventor:  1)WANG Jianguo 2)ZHOU Yongxing 3)ZHANG Leiming
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#### (57) Abstract:

Embodiments of the present invention provide a method for feeding back channel state information, a user equipment, and a base station, to improve the feedback precision of channel state information. The method comprises: receiving a reference signal sent by a base station; selecting a precoding matrix W from a codebook according to the reference signal, wherein a column vector of the precoding matrix W may be expressed as  $\alpha[v \ e^{j\Phi}v]^T$ ,  $v=[1 \ e^{j\theta}]$ ,  $\alpha$  is a constant,  $\theta$  and  $\Phi$  are phases, and  $[]^T$  indicates transposing of a matrix or vector; and sending a precoding matrix indicator (PMI) to the base station, wherein the PMI corresponds to the selected precoding matrix W. The present invention can further improve quantization precision, and achieve balance between overheads and the quantization precision. The base station precodes the sent signal according to the fed back PMI, so as to improve the precoding precision, thereby improving the data transmission rate and system throughput.

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

(21) Application No.2033/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :25/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : SYSTEM AND METHOD FOR TERMINAL COOPERATION BASED ON SPARSE MULTI DIMENSIONAL SPREADING

<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> </ul>	:G06F15/16 :61/737643 :14/12/2012 :U.S.A. :PCT/CN2013/089567 :16/12/2013 :WO 2014/090204 :NA :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD.  Address of Applicant: Huawei Administration Building Bantian Longgang Shenzhen Guangdong 518129 China (72)Name of Inventor:  1)MAAREF Amine 2)BALIGH Mohammadhadi 3)MA Jianglei
Number		3)MA Jianglei
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

System and method embodiments are provided to achieve efficient Direct Mobile Communications (DMC) and device to device (D2D) communications for terminal based groups with improved spectrum efficiency reduced interference and virtual full duplex operation mode. The embodiments include a distributed mechanism for D2D communications that enables one or more cooperating UEs (CUEs) to help one or more target UEs (TUEs) with limited additional signaling overhead and relatively simple implementation. The mechanism comprises a grantless multi dimensional multiplexing scheme that uses low density spreading (LDS) over time frequency and/or space domains to enable data forwarding between multiple half duplex terminals or UEs while allowing the UEs to operate in virtual full duplex mode.

No. of Pages: 23 No. of Claims: 35

(21) Application No.2034/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/06/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: MERCAPTOSILANE POLYMER MIXTURE

(51) International

:C08G65/336,C08K5/54,C08L23/00

classification

(31) Priority Document No :102013203651.5

(32) Priority Date (33) Name of priority country: Germany

:04/03/2013

(86) International Application :PCT/EP2014/052113

Filing Date

:04/02/2014

(87) International Publication :WO 2014/135323

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date

(62) Divisional to Application:NA Number :NA

Filing Date

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(72) Name of Inventor:

1)PETERLE Torsten

2)BLUME Anke

3)MONKIEWICZ Jaroslaw

4)KORCH Andrea

5)TSCHERNJAEW Juri

6)KUNOWA Kathrin 7)KLOSE Michael

(57) Abstract:

The invention relates to mercaptosilane polymer mixtures containing at least one mercaptosilane of the general formula (I) and at least one polymer selected from the group consisting of polypropylene polyethylene or ethylene vinyl acetate. The mixtures are produced in that the mercaptosilane of the general formula I is mixed with the polymers. The mixtures can be used in rubber mixtures.

No. of Pages: 47 No. of Claims: 13

(21) Application No.1939/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 19/06/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: CONSTRUCTION METHOD FOR AIR CONDITIONING 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> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:2012268704 :07/12/2012 :Japan :PCT/JP2013/007168 :05/12/2013 :WO 2014/087659 :NA :NA	(71)Name of Applicant:  1)DAIKIN INDUSTRIES LTD.  Address of Applicant: Umeda Center Building 4 12 Nakazaki nishi 2 chome Kita ku Osaka shi Osaka 5308323 Japan (72)Name of Inventor:  1)NAKATSU Nobuhiko
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

This air conditioning device is provided with an outdoor unit an indoor unit and a refrigerant circuit. This construction method for an air conditioning device is provided with: a planning step (M1) in which sections of the refrigerant circuit to be constructed in a factory and sections to be constructed on site are determined on the basis of the building drawings of a building; a parts machining step (M2) in which a plurality of parts (42) of the refrigerant circuit (40) that correspond to the sections determined in the planning step (M1) to be constructed in a factory are manufactured in a factory; and an installation step (M3) in which the plurality of parts (42) manufactured in the parts machining step (M2) and a plurality of appliances of the refrigerant circuit which correspond to the sections determined in the planning step (M1) to be constructed on site are installed in the building and connected. The invention enables the construction schedule to be shortened the risk of fires to be reduced and the generation of condensation to be inhibited.

No. of Pages: 32 No. of Claims: 6

(21) Application No.1940/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 19/06/2015 (43) Publication Date: 29/01/2016

(54) Title of the invention: VEHICLE

(51) International classification :B62K5/10,B62K5/05,B62K19/40 (71)Name of Applicant :

:20/12/2013

(31) Priority Document No :2012278878 (32) Priority Date :21/12/2012

(33) Name of priority country :Japan

(86) International Application :PCT/JP2013/084341

No Filing Date

(87) International Publication :WO 2014/098236

No

(61) Patent of Addition to
Application Number
Filing Date
:NA

(62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract:

1)YAMAHA HATSUDOKI KABUSHIKI KAISHA
Address of Applicant :2500 Shingai Iwata shi Shizuoka
4388501 Japan
(72)Name of Inventor:
1)IIZUKA Toshio
2)HIRAYAMA Yosuke

Provided is a vehicle, the size of which can be prevented from increasing even when vehicle components are mounted thereto. The vehicle comprises: a vehicle body frame (21); a left front wheel (31) and a right front wheel (32); a link mechanism (5) capable of changing shape in accordance with tilting of the vehicle body; and vehicle components (81, 82, 221, 222) arranged on the vehicle front side of the link mechanism (5). The vehicle components (81, 82, 221, 222) are supported by the vehicle body frame (21) via through-sections (211a, 211b) that extend forward from the vehicle body frame (21) and penetrate the link mechanism (5).

No. of Pages: 56 No. of Claims: 11

(22) Date of filing of Application :26/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: STATE TRAJECTORY PREDICTION IN AN ELECTRIC POWER DELIVERY 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G06F15/16 :61/769487 :26/02/2013 :U.S.A. :PCT/US2014/018666 :26/02/2014 :WO 2014/134164 :NA :NA :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)SCHWEITZER ENGINEERING LABORATORIES INC. Address of Applicant: 2350 NE Hopkins Court Pullman WA</li> <li>99163 U.S.A.</li> <li>(72)Name of Inventor:</li> <li>1)ZWEIGLE Gregary C.</li> <li>2)HEWITT Eric J.</li> <li>3)BLOOD Ellery A.</li> </ul>
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### (57) Abstract:

Disclosed is state trajectory prediction in an electric power delivery system. Electric power delivery system information is calculated from measurements by intelligent electronic devices (IEDs), and communicated to a state trajectory prediction system. The state trajectory prediction system may be configured to generate a load prediction profile. The load prediction profile may provide a predicted response of a load at a future time. Further, the state trajectory prediction system may be configured to generate a generator prediction profile that provides a predicted response of a generator at a future time. The state trajectory prediction system may generate a state trajectory prediction based, at least in part, on the load prediction profile and the generator prediction profile. The state trajectory prediction may represent a future state of the electric power delivery system.

No. of Pages: 37 No. of Claims: 26

(22) Date of filing of Application :26/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: APPARATUS AND METHOD FOR PAGING IN WIRELESS COMMUNICATION 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04W 68/02 :10-2014-0004248 :13/01/2014 :Republic of Korea :PCT/KR2015/000336 :03/01/2015 :WO/2015/105397 :NA :NA :NA	(71)Name of Applicant:  1)SAMSUNG ELECTRONICS CO., LTD  Address of Applicant: 129, SAMSUNG-RO, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO, 443-742, REPUBLIC OF KOREA  (72)Name of Inventor:  1)SANG-SOO JEONG 2)JIN-UK LEE 3)SONG-YEAN CHO
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### (57) Abstract:

Provided is a method for paging a User Equipment (UE) in an idle state by a Mobility Management Entity (MME) in a wireless communication network in which a Packet Switched (PS) domain and a Circuit Switched (CS) domain coexist. The method includes receiving a CS page message for paging the UE in a CS domain; and upon receiving the CS page message, sending a PS page message for paging the UE in a PS domain, the PS page message including a priority indicator, to an Evolved Node B (ENB) where the UE is located.

No. of Pages: 39 No. of Claims: 20

(21) Application No.1950/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 19/06/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: FABRIC FOR AIRBAG

(51) International :B60R21/235,D03D1/02,D06B11/00

classification (31) Priority Document No :2012286222

:27/12/2012 (32) Priority Date (33) Name of priority country: Japan

(86) International :PCT/JP2013/084983

Application No :26/12/2013

Filing Date

(87) International Publication :WO 2014/104240

(61) Patent of Addition to :NA Application Number :NA Filing Date

(62) Divisional to :NA **Application Number** :NA

Filing Date

(71)Name of Applicant:

1) ASAHI KASEI FIBERS CORPORATION

Address of Applicant: 3 23 Nakanoshima 3 chome Kita ku

Osaka shi Osaka 5308205 Japan

(72)Name of Inventor: 1) ISE Fumiaki

2)OBARA Kazuyuki

## (57) Abstract:

The purpose of the present invention is to provide a fabric for producing an airbag on which material information and standards identification and product identification information are labelled. This fabric for an airbag is characterized in that production information is presented on the fabric by means of direct ink jet printing.

No. of Pages: 36 No. of Claims: 16

(22) Date of filing of Application: 19/06/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention : INFORMING NETWORK WHEN UE IN CELL_FACH STATE DETECTS THAT CELL RESELECTION SHOULD BE PERFORMED

(51) International :H04W36/00,H04W36/36,H04W36/08

classification (31) Priority Document No :61/745715

(31) Priority Document No :617/45/15 (32) Priority Date :24/12/2012 (33) Name of priority

country :U.S.A.

(86) International

Application No :PCT/SE2013/051133

Filing Date :01/10/2013

(87) International Publication No :WO 2014/104958

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71) Name of Applicant:

1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)

Address of Applicant :SE 164 83 Stockholm Sweden

(72)Name of Inventor: 1)PRADAS Jose Luis

2)SHI Nianshan

3)KWONG Waikwok

## (57) Abstract:

If a UE determines that a cell reselection should be performed it does so without informing the network ahead of time. The network is only aware of the change after having received a cell update transmitted by the UE in a new (target) cell. In the meantime the original (source) Node B may continue transmitting the data it has remaining in the buffer for that UE. This data will be lost since the UE is no longer monitoring that cell. Enhanced Uplink in CELL FACH state was introduced in Release 8. When a UE has a common E DCH resource the UE can perform measurements which may be later used to perform cell re selection; however the UE is not allowed to perform cell re selection while the UE has a common E DCH resource. Only when the UE has released the common E DCH resource can the UE perform a cell re selection. Thus if the UE has a common E DCH resource and moves from one cell to another the UE cannot perform cell reselection to the new cell. Accordingly the UE may lose coverage and the RRC connection. These problems are solved by the present application in that the SIB includes information instructing the UE (10) to report to the network (11) whenever cell reselection criteria are satisfied (102). The UE 10 periodically or continuously monitors neighboring cells (16) for possible cell reselection (104) comparing measurements against the cell reselection criteria received in the SIB. If the cell reselection criteria are satisfied (108). In this manner the network (11) is alerted to a pending cell reselection event and take appropriate action to avoid the loss of data stockpiled at the Node B (14) of the cell (12) to which the UE (10) is currently connected.

No. of Pages: 29 No. of Claims: 38

(21) Application No.2042/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : A WIRELESS COMMUNICATION NODE WITH 4TX/4RX TRIPLE BAND ANTENNA ARRANGEMENT

(51) International classification (31) Priority Document No	:H01Q1/24,H01Q3/30,H04B7/10 :NA	(71)Name of Applicant: 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 Filing Date	:PCT/EP2012/074215 :03/12/2012	1)JIDHAGE Henrik
(87) International Publication No.	o:WO 2014/086386	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention relates to a node (1) in a wireless communication network, the node (1) comprising a 4TX/4RX triple band antenna arrangement (2) with at least three antenna columns (3, 4, 5) of cross polarized antenna elements (14 to 37). Each polarization of each column (3, 4, 5) has two phase networks (first phase shifters 86, 88, 90, 92, 94, 96; second phase shifters 87, 89, 91, 93, 95, 97) for independent tilt of two bands. Thus, four ports for each band (99, 100, 106, 109; 98, 101, 102, 105; 103, 104, 107, 108) of the three bands are available allowing four-layer MIMO in each band by two spaced columns and the two polarizations of the columns.

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

(22) Date of filing of Application :26/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: CURVATURE CHANGING ACCOMMODATIVE INTRAOCULAR LENS

<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>	:A61F2/16 :61/745,130 :21/12/2012 :U.S.A. :PCT/US2013/072965 :04/12/2013 :WO 2014/099359 :NA :NA :NA	(71)Name of Applicant: 1)NOVARTIS AG Address of Applicant: Lichtstrasse 35, CH-4056 Basel Switzerland (72)Name of Inventor: 1)WEINSCHENK, III, Joseph I. 2)DEVITA GERARDI, Lauren 3)SUBRAMANIAM, Hari
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### (57) Abstract:

A curvature changing accommodative intraocular lens is provided in which the anterior surface of the intraocular lens undergoes dynamic change in curvature to focus light from distant objects to those nearby. The lens utilizes fluid movement from bladders defined as junctions between haptic elements and lens element or bladders positioned between the haptic elements and lens element periphery to change the curvature.

No. of Pages: 16 No. of Claims: 15

(22) Date of filing of Application :20/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : LOOKUP TABLE CREATION METHOD AND QUERY METHOD AND CONTROLLER FORWARDING DEVICE AND SYSTEM 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> <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>	:NA :NA :NA :PCT/CN2012/087445 :25/12/2012 :WO 2014/100981 :NA :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD.  Address of Applicant: Huawei Administration Building Bantian Longgang District Shenzhen Guangdong 518129 China (72)Name of Inventor:  1)WANG Wenming  2)LI Zhiqiang
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Disclosed are a creation method and a query method for a lookup table and a controller a forwarding device and system therefor. The embodiments of the present invention relate to the technical field of communications and serve to cut down the number of gate circuits as well as reduce power consumption. The creation method comprises: receiving a lookup table creation message transmitted from the controller said lookup table creation message including a lookup table identifier and query pattern; creating on the basis of the lookup table creation message the lookup table and configuring the query pattern for same; receiving an add entry message transmitted from the controller said add entry message including the forwarding operation to be added and the index parameters of said forwarding operation; on the basis of the add entry message adding the entry corresponding to said add entry message to the lookup table. The present invention can be used in all sorts of forwarding devices of a software defined network.

No. of Pages: 37 No. of Claims: 20

(22) Date of filing of Application :20/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: DSL SYSTEM SIGNAL PROCESSING METHOD DEVICE AND 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04B3/32 :NA :NA :NA :PCT/CN2013/070292 :10/01/2013 :WO 2014/107857 :NA :NA :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD.  Address of Applicant: Huawei Administration Building Bantian Longgang Shenzhen Guangdong 518129 China (72)Name of Inventor:  1)LIU Jianhua 2)LONG Guozhu 3)WANG Xiang 4)LIU Yixian
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#### (57) Abstract:

Provided is a DSL system signal processing method. The method comprises: judging that m subscriber lines in n subscriber lines have no downlink signal to be transmitted; superimposing a signal X on the m subscriber lines, so that the signal output of the m subscriber lines after being subjected to precoding processing is 0; wherein  $x_m$  represents a signal component loaded on the mth subscriber line in the m subscriber lines; performing precoding processing on downlink signals over the n subscriber lines; and transmitting the downlink signals having been subjected to the precoding processing on the other lines except the m subscriber lines in the n subscriber lines. Also provided are a network-side device and a DSL system.

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

(21) Application No.1967/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/06/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: DRIVE ASSEMBLY

(51) International classification: F04B17/03,B60T8/40,H02K7/075 (71) Name of Applicant:

:10 2013 200 545.8 (31) Priority Document No

(32) Priority Date :16/01/2013

(33) Name of priority country :Germany

(86) International Application :PCT/EP2014/050518

:14/01/2014 Filing Date

(87) International Publication :WO 2014/111352

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract:

1) CONTINENTAL TEVES AG & CO. OHG

Address of Applicant : Guerickestr. 7 60488 Frankfurt

Germany

(72) Name of Inventor:

1)VOGEL Günther

2)LENZ René

3)HINZ Axel

The invention relates to a drive assembly having a motor accommodating bore (4) for an electric motor (3) said bore (4) being directed perpendicularly into an end face of a block like accommodating body (19) and having a motor housing (5) for accommodating a bearing (8) provided for a motor shaft (10) of the electric motor (3) said bearing (8) being fixed in an end side motor housing section (1) which extends into the motor accommodating bore (4). The invention provides for the electric motor (3) to be frictionally fixed and centred in the motor accommodating bore (4) by means of a motor holder (2) that is fastened to the end side motor housing section (1) and projects into the motor accommodating bore (4).

No. of Pages: 15 No. of Claims: 16

(22) Date of filing of Application :29/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : DRIVE REGULATING METHOD AND REGULATING DEVICE WHICH OPERATES ACCORDING TO THE METHOD

(51) International classification :B02C15/00,B02C25/00 (71)Name of Applicant : (31) Priority Document No 1)SIEMENS AKTIENGESELLSCHAFT :10 2013 200 578.4 (32) Priority Date Address of Applicant: Wittelsbacherplatz 2 80333 München :16/01/2013 (33) Name of priority country Germany :Germany (86) International Application No :PCT/EP2013/068261 (72) Name of Inventor: Filing Date :04/09/2013 1)KLOTZEK Andreas (87) International Publication No :WO 2014/111177 2)KUBE Andreas (61) Patent of Addition to Application 3)PÖTTER Friedhelm :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The invention relates to a method for regulating the drive of a vertical mill (10) comprising a grinding plate (12) which can be rotated about the vertical. The grinding plate (12) can be driven by an electric motor (14) and a drivetrain comprising a transmission (16). An actual rotational speed (28) and a drivetrain torque (30) are detected with respect to the drivetrain and are fed to a regulating device (34) together with a specified or specifiable target rotational speed (32). The regulating device (34) generates an output signal (36) for a target torque on the basis of the actual rotational speed (28) and the target rotational speed (32) and on the basis of the drivetrain torque (30) such that the resulting target torque is reduced or increased concordantly with and in the same direction as a torque resulting from the milling process. The invention also relates to a corresponding regulating device designed to carry out the method.

No. of Pages: 30 No. of Claims: 8

(19) INDIA

(22) Date of filing of Application :26/06/2015

(21) Application No.2050/KOLNP/2015 A

(43) Publication Date: 29/01/2016

### (54) Title of the invention: 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:10-2012-0157390 :28/12/2012 :Republic of Korea :PCT/KR2013/012342 :27/12/2013 :WO 2014/104836 :NA :NA	(71)Name of Applicant:  1)HYOSUNG CORPORATION Address of Applicant: (GONGDEOK-DONG), MAPO-DAERO 119, MAPO-GU SEOUL 121-720 REPUBLIC OF KOREA (72)Name of Inventor: 1)JUNG,HONG JU 2)KIM, TAE GYUN 3)YANG, HANG JUN 4)CHOI, JONG YUN
(62) Divisional to Application Number Filing Date	:NA :NA	4)CHOI, JONG YUN

### (57) Abstract:

The present invention relates to a converter in which a plurality of sub-modules, each including an energy storage unit and power semiconductors, is connected in series to each other, wherein each of the sub-modules is configured by adding a simple and inexpensive auxiliary circuit unit between two half-bridge units, and thus fault current is allowed to flow into the energy storage unit of each half-bridge unit, thereby blocking or reducing the fault current. The present invention provides a converter including a plurality of sub-modules connected in series to each other, wherein each of the sub-modules includes a first half-bridge unit including a first energy storage unit, and a plurality of first power semiconductors connected in parallel to the first energy storage unit and connected in series to each other; a second half-bridge unit including a second energy storage unit, and a plurality of second power semiconductors connected in parallel to the second energy storage unit and connected in series to each other; and an auxiliary circuit unit connecting the first half-bridge unit and the second half-bridge unit; wherein the auxiliary circuit unit includes a single third power semiconductor and a single diode.

No. of Pages: 27 No. of Claims: 9

(22) Date of filing of Application :26/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : USER PLANE DATA TRANSMISSION METHOD MOBILITY MANAGEMENT NETWORK ELEMENT EVOLVED NODE B AND SYSTEM

(87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number :NA  SNA :NA :NA :NA :NA :NA
(62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The present invention relates to a user plane data transmission method, a mobility management network element, an evolved node B and a system. The method comprises: establishing a radio access bearer connection with a radio access network node; and carrying out user plane data transmission with the radio access network node by utilizing a user plane protocol stack, wherein the user plane protocol stack comprises a physical layer, a data link layer and a network layer, the network layer comprises an IPv6 header, and a flow label of the IPv6 header carries a user plane tunnel endpoint identifier (TEID), or the network layer carries a type identification of a GTP-U header. The present invention simplifies the radio access network level and can reduce network transmission overheads, enhancing the effective load ratio of a user, reducing the complexity of a user data processing device, and enhancing the data transmission efficiency of radio access.

No. of Pages: 54 No. of Claims: 26

(22) Date of filing of Application :26/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: HOT-DIP A1-ZN ALLOY COATED STEEL SHEET 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><li>(86) International Application No</li></ul>	:C23C 2/12 :2013-017649 :31/01/2013 :Japan :PCT/JP2014/000365	(71)Name of Applicant:  1)JFE GALVANIZING & COATING CO., LTD. Address of Applicant:11-2, OSAKI 1-CHOME, SHINAGAWA-KU, TOKYO 1410032 Japan 2)JFE STEEL CORPORATION
(33) Name of priority country		SHINAGAWA-KU, TOKYO 1410032 Japan
(86) International Application No Filing Date	:PCT/JP2014/000365 :24/01/2014	2)JFE STEEL CORPORATION (72)Name of Inventor:
(87) International Publication No	:WO 2014/119268	1)OOI, TOSHIHIKO
(61) Patent of Addition to Application Number	:NA :NA	2)OKUMA, TOSHIYUKI 3)FURUTA, AKIHIKO
Filing Date (62) Divisional to Application Number	:NA :NA	4)YOSHIDA, MASAHIRO 5)MATSUZAKI, AKIRA
Filing Date	:NA	6)ANDO, SATORU

### (57) Abstract:

Disclosed is a hot-dip AI-Zn alloy coated steel sheet having good corrosion resistance in flat parts as well as good workability and thereby has excellent corrosion resistance in worked parts. In the disclosure, the upper layer of the hot-dip coating has a composition containing Al in an amount of 20 mass% to 95 mass%, Si in an amount of 10 % or less of the Al content, at least one of Ca and Mg, the total content of Ca and Mg being 0.01 mass% to 10 mass%, and the balance including Zn and incidental impurities, and the mean Vickers hardness of the hot-dip coating is 50 Hv to 100 Hv.

No. of Pages: 23 No. of Claims: 12

(22) Date of filing of Application :26/06/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: FABRICATION OF INDIUM-DOPED SILICON BY THE CZOCHRALSKI METHOD

(51) International

:C30B15/04,C30B29/06,C30B15/20

classification

(31) Priority Document No :TO2012A001175

(32) Priority Date

:31/12/2012

(33) Name of priority country: Italy

(86) International Application :PCT/US2013/078046

:27/12/2013

:NA

Filing Date

(87) International Publication :WO 2014/106080

(61) Patent of Addition to

:NA **Application Number** :NA

Filing Date

(62) Divisional to Application :NA Number

Filing Date

(71)Name of Applicant:

1)MEMC ELECTRONIC MATERIALS S.P.A.

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(72)Name of Inventor:

1)APPEL, Jesse, Samsonov

2)SCALA, Roberto

3)BONANNO, Luigi

4)HARINGER, Stephan

5) GIANNATTASIO, Armando

6)MOSER, Valentino

7) BINNS, Martin, Jeffrey

#### (57) Abstract:

A method of growing a monocrystalline silicon ingot is described. The method includes the steps of providing a monocrystalline ingot growing apparatus including a chamber having an internal pressure, and a crucible disposed within the chamber, preparing a silicon melt in the crucible, introducing an inert gas into the chamber from a gas inlet above the silicon melt, wherein the inert gas flows over the surface of the silicon melt and has a flow rate, introducing a volatile dopant including indium into the silicon melt, growing an indium-doped monocrystalline silicon ingot, and controlling the indium dopant concentration in the ingot by adjusting the ratio of the inert gas flow rate and the internal pressure of the chamber.

No. of Pages: 71 No. of Claims: 37

(22) Date of filing of Application :26/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : A METHOD FOR COLLECTING POINTS RELATED TO PROMOTIONS OR TO OTHER ACTIVITIES DESTINED TO COMERCIAL AND/OR MARKET RESEARCH PURPOSES

:G06Q30/02,G06Q10/00 (71)Name of Applicant : (51) International classification (31) Priority Document No :FI2012A000274 1)PCH S.R.L. (32) Priority Date :07/12/2012 Address of Applicant :via Santa Tecla n. 5, I-20122 Milano (33) Name of priority country :Italy (MI) Italy (86) International Application No :PCT/IB2013/056483 (72) Name of Inventor: Filing Date :08/08/2013 1) CACCIAMI, Stefano (87) International Publication No :WO 2014/087262 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The present invention concerns a method for the participation to promotional/commercial initiatives, market researches, discount tickets, etc., at the moment of the purchase or the reception for any reason of one or more products and comprising the operations of: Processing of one or more user codes (1), each one being associated in a univocal manner to one user; Arrangement of a central server (3) and of one or more local servers (10) placed in communication with the central server (3); Purchase of the products and sending to the local server (10) of the user code (1) associated with the electronic list of the products purchased; Comparison in the local server (10) among a reference list, containing one or more products that are subject to a pre-determined promotion or not, with said products purchased and associated to the specific user code (1) in such a way as to determine a list of purchased products that axe subject to said promotion and/or to another activity; Sending to the central server (3) of the code (1) associated with said list, said operation of sending being performed following the reception by the local server (10) of a consensus input; Reception and memorization by the central server (3) of said data received; Processing of said data to verify the eventual reaching of a reference value for each user associated to the code (1).

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

(22) Date of filing of Application :27/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: VALVE VALVE DEVICE AND METHOD FOR ASSEMBLING A VALVE 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> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F16K31/60 :10 2013 100 247.1 :11/01/2013 :Germany :PCT/EP2014/050303 :09/01/2014 :WO 2014/108462 :NA :NA :NA	(71)Name of Applicant:  1)KNORR BREMSE SYSTEME FÜR NUTZFAHRZEUGE GMBH  Address of Applicant :Moosacher Str. 80 80809 München Germany (72)Name of Inventor:  1)KONCZ Laszlo 2)FARKAS Gabor 3)PAPP Lajos 4)MAJLATH Attila
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### (57) Abstract:

The invention relates to a valve (310) in particular a pneumatic suspension valve for a vehicle said valve (310) comprising a valve body (320) with a driver (330). Said driver (330) comprises a receiving section for receiving an actuating lever (350) which can be fixed on the driver (330). Said receiving section is designed to receive without retrofitting the receiving section an actuating lever (350) having a first cross sectional profile or to receive an actuating lever (350) having a second cross sectional profile which is different from the first cross sectional profile.

No. of Pages: 22 No. of Claims: 10

(21) Application No.2056/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: SURGICAL TEMPLATE ARRANGEMENT AND METHOD

<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No Filing Date</li></ul>	:A61C1/08 :1302919.4 :20/02/2013 :U.K. :PCT/EP2014/000435 :18/02/2014 :WO 2014/127908 :NA :NA :NA	(71)Name of Applicant:  1)NOBEL BIOCARE SERVICES AG Address of Applicant: Balz Zimmermann Strasse 7 8302 Kloten Switzerland (72)Name of Inventor:  1)JOHANSSON Ulf 2)WOUTERS Veerle 3)KUNZ Pascal
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### (57) Abstract:

The present invention relates to a surgical template arrangement (10) for a dental application the surgical template arrangement comprising: a surgical template (12) including a through hole (18); and a guide sleeve (22) placed in the through hole and riveted to the surgical template. The present invention also relates to a method of attaching a guide sleeve (22) in a through hole (18) of a dental surgical template (12) and a corresponding system.

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

(22) Date of filing of Application :29/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: PRESSURE MEDIUM CONTAINER FOR A HYDRAULIC MOTOR VEHICLE BRAKE 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B60T11/26 :10 2013 000 041.6 :07/01/2013 :Germany :PCT/EP2013/077333 :19/12/2013 :WO 2014/106588 :NA :NA :NA	(71)Name of Applicant:  1)CONTINENTAL TEVES AG & CO. OHG Address of Applicant: Guerickestr. 7 60488 Frankfurt  Germany (72)Name of Inventor: 1)OTTMANN Swen 2)NEUMANN Hans Jürgen 3)KREBS Werner 4)SCHLICHT Stephan 5)SCHIEL Christoph
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### (57) Abstract:

The invention relates to a pressure medium container (1) for a hydraulic motor vehicle brake system. In order to offer a simple solution that can be produced cost effectively wherein the venting function is reliably assured and at the same time escape of fluid from the pressure medium container is effectively prevented a pressure medium container (1) is provided according to the invention comprising a container casing (2) the interior of which can be filled with a pressure medium via a filler pipe (3) and is closed off by a closure cap (4) fixed to the filler pipe (3). A sealing element (5) made from an elastomeric material is provided between the filler pipe (3) and a bottom (11) of the closure cap (4). The sealing element (5) has a valve (7) which rests on a support pedestal (6) arranged on the closure cap (4) is closed in a non actuated initial state and reaches an opened actuated state under the control of differential pressure whereby a pressure is equalized between an interior of the pressure medium container (1) and an ambient atmosphere. Direction dependently the valve (7) has different valve opening resistances.

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

(21) Application No.2060/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: SPORTS STADIUM HAVING REMOVABLE FIELD

:WO 2014/102321

(51) International :A63C19/12,E04H3/14,A63C19/00

classification .Au3C19/12,E04113/14,Au3C19/

(31) Priority Document No:20121565(32) Priority Date:30/12/2012(33) Name of priority country:Norway

(86) International Application :PCT/EP2013/078048

No :27/12/2013

Filing Date

(87) International Publication

(61) Patent of Addition to :NA

Application Number
Filing Date

:NA
:NA

(62) Divisional to Application
Number
:NA
:NA

Filing Date (57) Abstract :

(71)Name of Applicant:

1)NUTCRACKER SOLUTIONS AS

Address of Applicant : Jarveien 14 A N 1358 Jar Norway

(72)Name of Inventor:
1)SALTVEIT Yngve
2)JOHANNSEN Claus

Sports stadium with a fixed support base (5) surrounded by a spectators stand (13). A field cover (2) is arranged on the fixed support base (5) and comprises a plurality of field modules (1). The field modules (1) are movable on the fixed support base (5). An aperture (14) constitutes access to a storage room (50) at a level below the fixed support base (5). A lift arrangement (60) is arranged in association with the aperture (14) and adapted for lowering and raising field modules (1) between a level (3, 4) of the storage room (50) and the level of the fixed support base (5). The storage room (50) is provided with a vehicle access port (11) on a lateral side of

the storage room (50).

No. of Pages: 38 No. of Claims: 15

(22) Date of filing of Application :29/06/2015

(43) Publication Date: 29/01/2016

# (54) Title of the invention : APPARATUS AND METHOD FOR PROVIDING SERVICE IN A MOBILE COMMUNICATION SYSTEM

(32) Priority Date :07/02/20 (33) Name of priority country :Republi (86) International Application No Filing Date :06/02/20	4-0014353 2014 Lic of Korea R2015/001238  1)SAMSUNG ELECTRONICS CO. LTD. Address of Applicant :129, SAMSUNG-RO, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO, 443-742 REPUBLIC OF KOREA
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#### (57) Abstract:

The present invention relates to a method for providing a service by a user equipment in a mobile communication system. In the method, a connection request message is transmitted to a network when an entry to a non-legacy mobile communication system area is detected, a connection acceptance message including information on whether a voice service via an internet protocol is supported or whether a circuit switched fall back (CSFB) scheme is supported is received from the network, and a voice service is received through a non-legacy mobile communication system on the basis of the internet protocol or the CSFB scheme when the information included in the connection acceptance message indicates that the network supports the voice service via the internet protocol or the CSFB scheme.

No. of Pages: 72 No. of Claims: 15

(22) Date of filing of Application :29/06/2015 (43) Publication Date : 29/01/2016

### (54) Title of the invention: METHOD AND DEVICE FOR PREVENTING SERVICE ILLEGAL ACCESS

<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>	:26/12/2012 :WO 2014/101023 :NA :NA :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD.  Address of Applicant: Huawei Administration Building Bantian Longgang Shenzhen Guangdong 518129 China (72)Name of Inventor:  1)GUO Jiancheng 2)HU Yusheng
Filing Date	:NA	

#### (57) Abstract:

The present invention is applicable in the field of network access control. Provided are a method and device for preventing service illegal access. The method comprises: receiving a service access request packet where the packet comprises an access requested server domain name and an access requested server IP address; looking up an IP address that corresponds to the access requested server domain name; determining whether or not the access requested IP address is consistent with the IP address that is looked up; and if the access requested IP address and the IP address that is looked up are inconsistent then interrupting the service access request. Embodiments of the present invention compare the IP address that is looked up with the IP address of the access requested server that is comprised in the packet thus effectively determining a service access request having an illegally modified packet thus interrupting the service access request. This effectively solves the problem that a gateway device is prevented from billing for a charged service because a user has illegally modified a domain name in a packet.

No. of Pages: 38 No. of Claims: 14

(22) Date of filing of Application :29/06/2015

(43) Publication Date: 29/01/2016

# (54) Title of the invention : DYNAMIC ADJUSTMENT DEVICE FOR RECORDING RESOLUTION AND DYNAMIC ADJUSTMENT METHOD AND TERMINAL

#### (57) Abstract:

Provided is a dynamic adjustment device for recording resolution comprising: an attributive character obtaining unit used for obtaining an attributive character of a shot image which is collected during video recording; and a resolution adjustment unit used for dynamically adjusting the recording resolution of a current video according to the attributive character. The present invention further provides a dynamic adjustment method and terminal for recording resolution. By means of the technical solution of the present invention the recording resolution can be dynamically adjusted according to an actual situation in a process of recording a video so as to not only ensure the quality of video recording but also effectively save storage space while uninterrupted video recording is realized.

No. of Pages: 33 No. of Claims: 13

(22) Date of filing of Application :22/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : APPARATUS AND METHOD FOR MONITORING A SEDIMENTATION PARAMETER IN A FLUID MEDIUM SAMPLE

(51) International classification :G01N33/49,G01N15/05 (71)Name of Applicant : (31) Priority Document No 1)MICROVISK LIMITED :1221432.6 (32) Priority Date Address of Applicant :Innovation House St Asaph Business :28/11/2012 (33) Name of priority country Park St Asaph Denbighshire LL17 0LJ U.K. :U.K. (86) International Application No :PCT/GB2013/050607 (72) Name of Inventor: 1)DUNN Richard John Filing Date :12/03/2013 (87) International Publication No :WO 2014/083300 2)BELLO FERNANDEZ DE SANMAMED Lois (61) Patent of Addition to Application 3)IBBOTSON Robert Henry :NA Number 4)DJAKOV Vladislav :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

There is provided a method of measuring a sedimentation parameter of suspensions or precipitants in a fluid medium sample said method compromising providing at least one micro cantilever sensor said micro cantilever sensor comprising at least two materials having different coefficients of thermal expansion and having a heater and piezo resistive sensor integrated therein pulsing the heater with one or more electrical pulses to induce heat generation in the micro cantilever sampling the output of the integrated piezo resistive sensor to characterise a response of the micro cantilever during sedimentation in the fluid medium sample and determining a value of the sedimentation parameter from the characterised response. There is also provided an apparatus arranged to carry out the method.

No. of Pages: 27 No. of Claims: 24

(21) Application No.2072/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/06/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: SOLVENT-BASED AND WATER-BASED CARBON NANOTUBE INKS WITH REMOVABLE **ADDITIVES**

(51) International :B82Y40/00,C09D11/00,B05D5/00 classification

(31) Priority Document No :13/725,080 (32) Priority Date :21/12/2012

(33) Name of priority country: U.S.A.

(86) International Application :PCT/US2013/077145

No :20/12/2013 Filing Date

(87) International Publication :WO 2014/100692

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to Application :NA Number

:NA Filing Date

(71)Name of Applicant: 1)NANO-C, INC.

Address of Applicant :33 Southwest Park, Westwood, MA

02090 U.S.A.

(72)Name of Inventor: 1)SIVARAJAN, Ramesh 2) RICHTER, Henning

3) VEJINS, Viktor

#### (57) Abstract:

In accordance with some embodiments, compositions and methods for forming solvent-based and water-based carbon nanotubes inks with removable additives are provided. In some embodiments, an ink composition is provided that includes a plurality of carbon nanotubes, a solvent, and a triazole-based removable additive, where the plurality of carbon nanotubes are dispersed within the solvent and wherein the triazole-based removable additive stabilizes the plurality of carbon nanotubes that are dispersed in the solvent.

No. of Pages: 53 No. of Claims: 35

(22) Date of filing of Application :29/06/2015 (43) Publication Date : 29/01/2016

### (54) Title of the invention: BYPASS APPARATUS FOR 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H02M1/32 :10-2012-0154668 :27/12/2012 :Republic of Korea :PCT/KR2013/012337 :27/12/2013 :WO 2014/104831 :NA :NA :NA	(71)Name of Applicant:  1)HYOSUNG CORPORATION  Address of Applicant:(Gongdeok-dong), Mapo-daero 119,  Mapo-gu Seoul 121-720 REPUBLIC OF KOREA  (72)Name of Inventor:  1)PARK, Jung Soo  2)YANG, Hang Jun  3)CHOI, Jong Yun
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#### (57) Abstract:

The present invention provides an apparatus for bypassing a phase current from a malfunctioning sub module in a converter. The converter includes multiple sub modules each having an energy storage unit and at least one power semiconductor circuit which is connected in parallel to the energy storage unit and which includes a power semiconductor switch and free wheeling diodes wherein the sub modules are connected in series to each other. The bypass apparatus for a converter according to the present invention comprises: a vacuum switch tube for disconnecting between a first connection terminal and a second connection terminal of a malfunctioning sub module upon the occurrence of a malfunction in a specific sub module and bypassing a phase current from said malfunctioning sub module; and a control device for controlling the operation of the vacuum switch tube. The control device comprises: permanent magnets having different polarities and guiding the disconnecting and canceling operations of the vacuum switch tube; a core fixed to enable the permanent magnets to contact or be separated from the core; a coil wound around the core; a power source unit for applying power to the coil; and a control unit for controlling the supply of power from the power source unit to the coil upon the occurrence of a malfunction in the sub module. The control unit controls the power source unit such that the power is supplied to the coil upon the occurrence of a malfunction in the sub module and the permanent magnets are pushed out by the magnetic properties induced in the core so as to guide the disconnecting operation of the vacuum switch tube and bypass the phase current.

No. of Pages: 27 No. of Claims: 6

(22) Date of filing of Application :29/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: LASER APPARATUS AND METHOD FOR LASER PROCESSING A TARGET MATERIAL

(51) International classification: H01S5/00,A61F9/008,H01S3/067 (71) Name of Applicant: (31) Priority Document No 1)WAVELIGHT GMBH :NA (32) Priority Date Address of Applicant: Am Wolfsmantel 5, 91058 Erlangen :NA (33) Name of priority country :NA Germany (86) International Application (72) Name of Inventor: :PCT/EP2013/053961 1)VOGLER, Klaus :27/02/2013 Filing Date 2) KITTELMANN, Olaf (87) International Publication :WO 2014/131445 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

In an embodiment, a laser apparatus comprises a semiconductor laser (22), e.g., of the VECSEL type, for generating pulsed laser radiation having a pulse duration in the femtosecond range or shorter and having a pulse repetition rate of at least 100 MHz; a selector (54) for selecting groups (60) of pulses from the laser radiation, each pulse group comprising a plurality of pulses at the pulse repetition rate, wherein the pulse groups are time-displaced by at least 500 ns; a scanner device for scanning a focal point of the laser radiation; a controller for controlling the scanner device based on a control program including instructions that, when executed by the controller, bring about the creation of a LIOB-based photodisruption for each pulse group in a target material, e.g. human eye tissue.

No. of Pages: 18 No. of Claims: 26

(22) Date of filing of Application :22/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: METHOD AND NETWORK NODE FOR HANDLING HANDOVER

classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:NA :NA :NA :PCT/SE2012/051308 :28/11/2012 :WO 2014/084762 :NA :NA	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant :SE 164 83 Stockholm Sweden (72)Name of Inventor: 1)SACHS Joachim 2)GUNNARSSON Fredrik 3)MALEKAFZALIARDAKANI Reihaneh 4)SELÉN Yngve 5)WILHELMSSON Leif
. ,	:NA :NA	

#### (57) Abstract:

A method in a network node for allocating to user equipments a respective carrier is provided. The carrier is a frequency carrier for wireless communication. The network node is comprised in a cellular network. The network node identifies (202) a set of carriers. The carriers in the set of carriers each are associated with a respective geographic handover region for handover between cells. The geographic handover regions of the carriers differ from each other more than a threshold. When the network node has identified (203) a group of user equipments with correlated mobility pattern it allocates (204) to at least two of the user equipments within the group of user equipments a respective carrier. The allocation is performed such that the at least two user equipments in the group are spread among the carriers in the set of carriers.

No. of Pages: 29 No. of Claims: 26

(22) Date of filing of Application :22/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: DEVICE FOR LIMITING DISTURBANCES OF AN ELECTRICAL NATURE

<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> </ul>	:1261265 :27/11/2012 :France	(71)Name of Applicant:  1)HAGER ELECTRO SAS  Address of Applicant:132 boulevard dEurope F 67210  Obernai France (72)Name of Inventor:  1)SOLEIL Daniel
11		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Device for limiting disturbances of an electrical nature such as currents induced by overvoltages caused by these disturbances in particular electromagnetic for example relating to events of lightning type in an electrical installation comprising at least one protection apparatus of isolator or differential breaker type intended to protect at least one downstream electrical installation having at least one load and being powered between a neutral conductor (3) and at least one phase conductor (5) and comprising an earth link. This device is characterized in that it comprises a common mode low pass filter (4) connected in parallel between the neutral and each phase on one hand and earth on the other hand.

No. of Pages: 18 No. of Claims: 23

(21) Application No.2066/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: FLUID LEVEL SENSING TANK MATERIALS

(51) International classification	:C09D5/00	(71)Name of Applicant :
(31) Priority Document No	:13/731627	1)FUNAI ELECTRIC CO. LTD.
(32) Priority Date	:31/12/2012	Address of Applicant :7 1 7 Nakagaito Daito shi Osaka
(33) Name of priority country	:U.S.A.	5740013 Japan
(86) International Application No	:PCT/EP2013/078077	(72)Name of Inventor:
Filing Date	:27/12/2013	1)WEAVER Sean T.
(87) International Publication No	:WO 2014/102344	2)MCREYNOLDS Jason T.
(61) Patent of Addition to Application	:NA	3)NICHOLSON Marvin
Number	:NA	4)PRESTON Shawn
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A fluid tank for micro fluid ejection devices is provided. The fluid tank includes housing with an interior surface coating. The interior surface coating has a highly hydrophobic to super hydrophobic surface with water contact angle of greater than about 120° and surface energy of less than about 20 mJ/m2. The interior surface coating includes nanoparticles and hydrophobic materials. The fluid tank is suitable as ink container having ink level measurement system and allows an accurate and quickly responsive ink level measurement system.

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

(22) Date of filing of Application :29/06/2015

(43) Publication Date: 29/01/2016

# (54) Title of the invention : HYDRAULIC SHOCK ABSORBER FOR SUSPENSION SYSTEM AND CORRESPONDING IMPROVED HYDRAULIC STOP

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:F16F7/08 :NA :NA	(71)Name of Applicant: 1)MAGNETI MARELLI COFAP FABRICADORA DE PECAS LTDA.
(33) Name of priority country	:NA	Address of Applicant :Av. Alexandre de Gusmo 1395 cj.02
(86) International Application No Filing Date	:PCT/BR2013/000114 :10/04/2013	Bairro Capuava CEP: 09110901 Santo André SP Brazil (72)Name of Inventor:
(87) International Publication No	:WO 2014/165951	1)SOROMENHO Geraldo Bontempi
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	
I ming Date	.11/1	

#### (57) Abstract:

The invention relates to a hydraulic shock absorber for a suspension system and to the corresponding improved hydraulic stop the hydraulic shock absorber comprising a tubular shell a tubular body (20) and an axially movable reciprocating rod provided with an elastomeric stroke limiting annular element. The stroke limiting element (6) comprises a retention ring (7) a locking ring (8) and a sealing ring (9) the retention ring (7) partially enclosing the locking ring (8) and defining together with the locking ring (8) a groove (91) for accommodating the sealing ring (9).

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

(21) Application No.2068/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/06/2015

(43) Publication Date: 29/01/2016

# (54) Title of the invention : CENTRIFUGAL EXPANDERS AND COMPRESSORS EACH WITH BOTH FLOW FROM PERIPHERY TO CENTER AND FLOW FROM CENTER TO PERIPHERY IN BOTH EXTERNAL HEAT AND INTERNAL COMBUSTION

<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>	:F04D1/06 :13/728250 :27/12/2012 :U.S.A. :PCT/US2013/020065 :03/01/2013 :WO 2014/105099	(71)Name of Applicant:  1)GRAF Ronald E.  Address of Applicant:5939 W Friendly Ave. #44 H Greensboro NC 27410 U.S.A. (72)Name of Inventor:  1)GRAF Ronald E.
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An engine feeds at either the periphery or the center of one of the pumps either compressed then heated air or products of combustion into centrifugal expanders in series. This invention is also a set of related inventions comprising a group of flow guides to convert radial flow to axial flow and a group to convert axial flow to radial flow and the combination of those flow guides. The invention also includes the use of combinations of centrifugal pumps used to form a multistage compressor or a multistage expander with at least one pump processing a flow of gas traveling from the vicinity of the axle toward the periphery of the pump and with at least one other pump processing the same flow of gas traveling from the periphery of this other pump toward the axle of this other pump.

No. of Pages: 51 No. of Claims: 24

(21) Application No.1970/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: SOLID TABLET UNIT DOSE OVEN CLEANER

(51) International classification	:C11D7/12,C11D7/14,C11D17/00	
(31) Priority Document No	:13/734204	1)ECOLAB USA INC.
(32) Priority Date	:04/01/2013	Address of Applicant :370 N. Wabasha Street St. Paul MN
(33) Name of priority country	:U.S.A.	55102 U.S.A.
(86) International Application No Filing Date	:PCT/US2013/078513 :31/12/2013	<ul><li>(72)Name of Inventor:</li><li>1)TJELTA Brenda L.</li><li>2)SANDERS Lisa M.</li></ul>
(87) International Publication No	:WO 2014/107460	3)BESSE Michael E.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

A solidification matrix includes sodium hydroxide sodium carbonate a water charge an anhydrous metasilicate a polycarboxylic acid polymer or salt or derivative thereof and additional functional ingredients. The sodium hydroxide sodium carbonate a water charge an anhydrous metasilicate a polycarboxylic acid polymer and additional functional ingredients interact to form a hydrate solid. The solidification matrix may be used for example in a solid detergent composition. Methods of making solid detergent compositions are disclosed.

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

(21) Application No.1971/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: SEPARATION MECHANISM FOR SPACE 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</li> <li>Number Filing Date</li> </ul>	:24/12/2013 :WO 2014/103282 :NA :NA	(71)Name of Applicant:  1)KAWASAKI JUKOGYO KABUSHIKI KAISHA Address of Applicant:1-1, Higashikawasaki-cho 3-chome, Chuo-ku, Kobe-shi, Hyogo 650-8670 Japan (72)Name of Inventor: 1)HORIE, YOUICHI
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

This separation mechanism for a space structure (1A) is for separating a second structure (3) from a first structure (2) in outer space and comprises a first member (4) that is fixed to the first structure (2) and a second member (5) that is fixed to the second structure (3). The first member (4) and the second member (5) are both made of an insulating material having a relatively low thermal conductivity. A current-carrying layer (6) is interposed between the first member (4) and the second member (5), and the first member (4) or the second member (5) is joined to the current-carrying layer (6) by means of a joining layer (7). The current-carrying layer (6) is configured so as to destroy or melt the joining layer (7) by means of heat that is generated when a current is caused to flow in the current-carrying layer (6).

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

(22) Date of filing of Application :22/06/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: BEARING DEVICE VIBRATION ANALYSIS METHOD, BEARING DEVICE VIBRATION ANALYSIS DEVICE, AND ROLLING BEARING STATUS MONITORING DEVICE

(51) International :G01M13/04,F16C19/00,G01H17/00 classification

(31) Priority Document No :2012-281038 :25/12/2012 (32) Priority Date

(33) Name of priority :Japan

country

(86) International

:PCT/JP2013/084047 Application No :19/12/2013

Filing Date

(87) International Publication: WO 2014/103861

(61) Patent of Addition to **Application Number** 

:NA :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71) Name of Applicant: 1)NTN CORPORATION

Address of Applicant: 3-17, Kyomachibori 1-chome, Nishi-ku,

Osaka-shi, Osaka 5500003 Japan

(72) Name of Inventor: 1)SAKAGUCHI, Tomova 2)TSUTSUI, Hideyuki

# (57) Abstract:

A vibration analysis method includes a step of inputting damage data for a rolling bearing (S10), a step of calculating, with a dynamics analysis program, a history of excitation forces occurring, due to damage, in the rolling bearing when a rotary shaft of the rolling bearing is rotating (S40), a step of calculating, with a mode analysis program, a vibration characteristics model of the bearing device (S60), and a step of calculating a vibration waveform in a prescribed location of the bearing device by applying the history of the excitation forces calculated in the step of calculating the history of the excitation forces (S40) to the vibration characteristics model (S80).

No. of Pages: 57 No. of Claims: 11

(22) Date of filing of Application :22/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: BATTERY CHARGER, BATTERY CHARGING SYSTEM, AND BATTERY CHARGING 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>	:H02J 7/02 :2012-288016 :28/12/2012 :Japan :PCT/JP2013/085356 :27/12/2013 :WO 2014/104413 :NA :NA :NA	(71)Name of Applicant: 1)RICOH COMPANY, LTD. Address of Applicant: 3-6, NAKAMAGOME 1-CHOME, OHTA-KU, TOKYO, 1438555 Japan (72)Name of Inventor: 1)TAKAI, MASAMI 2)YOSHIDA, MASAAKI
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#### (57) Abstract:

A battery charger for charging a battery includes a charger; an acquisition unit acquiring information of the battery; and a control unit setting a charging condition of the battery based on the information of the battery and controlling the charger.

No. of Pages: 97 No. of Claims: 13

(22) Date of filing of Application :29/06/2015 (43) Publication Date : 29/01/2016

### (54) Title of the invention: SECURE HEALTHCARE MANAGEMENT AND COMMUNICATION 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</li> <li>Number</li> </ul>	:17/12/2013 :WO 2014/100036 :NA	(71)Name of Applicant:  1)CONEY, Lillie, Bruce    Address of Applicant:5015 Tupelo, Beaumont, TX 77708  U.S.A. (72)Name of Inventor:  1)CONEY, Lillie, Bruce
(61) Patent of Addition to Application		
Number Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A healthcare management and communication system including a central server, home base devices, and portable medical assistant devices (PMAD) providing secure electronic communications among medical facilities and healthcare providers, while ensuring privacy of patient medical records. In an embodiment, the central server communicates with the home base device(s) and the PMAD providing information necessary for a healthcare provider to perform a procedure for a patient. The healthcare communication system provides security for patient information by allowing the healthcare provider to access some basic patient information on the PMAD, including directions to the patients house, when the PMAD is in all locations. Only when the PMAD is within a physical proximity to a selected home base device can the healthcare provider access the corresponding patients confidential information necessary for the on-site visit. Notes and data recorded during the procedure may be securely transmitted to the central server, updating the patients record.

No. of Pages: 49 No. of Claims: 20

(22) Date of filing of Application :22/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : METHOD TO PRODUCE WATER-SOLUBLE SUGARS FROM BIOMASS USING SOLVENTS CONTAINING LACTONES

<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</li> <li>Filing Date</li> </ul>	:C13K1/02,C13K13/00,C13K1/06 :13/736,550 :08/01/2013 :U.S.A. :PCT/US2014/010605 :08/01/2014	(71)Name of Applicant:  1)WISCONSIN ALUMNI RESEARCH FOUNDATION Address of Applicant: 614 Walnut Street, 13th Floor, Madison, Wisconsin 53726 U.S.A. (72)Name of Inventor: 1)DUMESIC, James A. 2)LUTERBACHER, Jeremy S.
(87) International Publication No	:WO 2014/110084	
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A process to produce an aqueous solution of carbohydrates that contains C6-sugar- containing oligomers, C6 sugar monomers, C 5 - sugar-containing oligomers, C5 sugar monomers, or any combination thereof is presented. The process includes the steps of reacting biomass or a biomass-derived reactant with a solvent system including a lactone and water, and an acid catalyst. The reaction yields a product mixture containing water-soluble C6-sugar-containing oligomers, C6-sugar monomers, C5 -sugar-containing oligomers, C5-sugare monomers, or any combination thereof. A solute is added to the product mixture to cause partitioning of the product mixture into an aqueous layer containing the carbohydrates and a substantially immiscible organic layer containing the lactone.

No. of Pages: 37 No. of Claims: 20

(22) Date of filing of Application :22/06/2015 (43) Publication Date : 29/01/2016

### (54) Title of the invention: SYSTEMS AND METHODS FOR REMOVING MERCURY FROM EMISSIONS

(71)Name of Applicant: (51) International :B01D53/64,B01D53/02,B01D53/48 classification 1)SUNCOKE TECHNOLOGY AND DEVELOPMENT (31) Priority Document No LLC. :NA (32) Priority Date :NA Address of Applicant: 1011 Warrenville Road 6th Floor, Lisle, (33) Name of priority country:NA IL 60532 U.S.A. (72) Name of Inventor: (86) International :PCT/US2012/072167 Application No 1)QUANCI, John, Francis :28/12/2012 Filing Date 2) SEATON, Ashley, Nicole (87) International Publication :WO 2014/105062 3)PRIEN, Justin, Leigh No 4)MCLAREN, Jennifer, Renee (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA Application Number :NA Filing Date

#### (57) Abstract:

The present technology is generally directed to systems and methods for removing mercury from emissions. More specifically, some embodiments are directed to systems and methods for removing mercury from exhaust gas in a flue gas desulfurization system. In one embodiment, a method of removing mercury from exhaust gas in a flue gas desulfurization system includes inletting the gas into a housing and conditioning an additive. In some embodiments, conditioning the additive comprises hydrating powder-activated carbon. The method further includes introducing the conditioned additive into the housing and capturing mercury from the gas.

No. of Pages: 25 No. of Claims: 24

(22) Date of filing of Application :22/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: METHOD AND TERMINAL FOR DETERMINING ACCESS ON BASIS OF POLICY

(51) International classification	:H04W 48/18	(71)Name of Applicant:
(31) Priority Document No	:61/769,136	1)LG ELECTRONICS INC.
(32) Priority Date	:25/02/2013	Address of Applicant :128, YEOUI-DAERO,
(33) Name of priority country	:U.S.A.	YEONGDEUNGPO-GU SEOUL 150-721 REPUBLIC OF
(86) International Application No	:PCT/KR2014/001334	KOREA
Filing Date	:19/02/2014	(72)Name of Inventor:
(87) International Publication No	:WO 2014/129794	1)KIM, HyunSook
(61) Patent of Addition to Application	:NA	2)KIM, JAEHYUN
Number	:NA	3)KIM, LAEYOUNG
Filing Date	.IVA	4)KIM, TAEHYEON
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

One embodiment of the present specification provides a method for determining access on the basis of a policy. The method for determining access can comprise the steps for: receiving a plurality of policies including wireless LAN (WLAN) selection rules from a plurality of access network discovery and selection functions (ANDSFs) in a plurality of public land mobile networks (PLMNs); selecting any one of the plurality of policies on the basis of preset location-related criteria; and determining whether traffic of a user is delivered to a 3GPP access or detoured to a WLAN access, according to WLAN selection rules of the selected policy.

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

(21) Application No.1985/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :23/06/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: A HOLLOW FIBER MODULE HAVING THIN FILM COMPOSITE AQUAPORIN MODIFIED **MEMBRANES**

(51) International :B01D67/00,B01D69/12,B01D69/14

classification (31) Priority Document No :1300465.0

(32) Priority Date :11/01/2013

(33) Name of priority country:U.K.

(86) International :PCT/IB2014/058096

Application No :07/01/2014 Filing Date

(87) International Publication :WO 2014/108827

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA Application Number :NA Filing Date

(71)Name of Applicant: 1)AQUAPORIN A/S

Address of Applicant :Ole Maaløes Vej 3 DK 220

Copenhagen N Denmark (72) Name of Inventor: 1)VOGEL Jörg 2)GROTH Jesper S 3)NIELSEN Kent Høier 4) GESCHKE Oliver

### (57) Abstract:

The present invention relates to a hollow fiber (HF) module having fibers modified with a thin film composite (TFC) layer comprising aquaporin water channels.

No. of Pages: 46 No. of Claims: 27

:NA

:NA

:NA

:NA

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

### (54) Title of the invention: METHOD AND SYSTEM FOR THE HAND GUIDED ULTRASOUND CHECK OF A TEST OBJECT

(51) International (71)Name of Applicant: :G01N29/06,G01N29/11,G01N29/22 classification 1) SIEMENS AKTIENGESELLSCHAFT (31) Priority Document No :10 2013 200 974.7 Address of Applicant: Wittelsbacherplatz 2 80333 München (32) Priority Date :22/01/2013 Germany (72) Name of Inventor: (33) Name of priority :Germany 1)MOOSHOFER Hubert country (86) International 2)GOLDAMMER Matthias :PCT/EP2014/050478 Application No 3)WISSMANN Patrick :13/01/2014 Filing Date 4)LALONI Claudio (87) International :WO 2014/114512 **Publication No** (61) Patent of Addition to

### (57) Abstract:

**Application Number** 

Filing Date (62) Divisional to

**Application Number** 

Filing Date

The invention relates to a method for the ultrasound check of a test object (12) comprising the steps: moving a test probe (16) along a test probe surface (14) and sending ultrasound impulses into the test object (12) by means of the test probe (16); receiving respective echo signals corresponding with the emitted ultrasound impulses by means of the test probe (16); preparing an image (20) of a predetermined test region of the test object (12) on the basis of an overlapping and averaging of amplitude values of the received echo signals by means of a data processing unit (18); wherein the method according to the invention is characterized by the following steps: capturing the respective position of the test probe (16) when sending the ultrasound signals and/or when receiving the corresponding echo signals by means of a capturing unit; considering the respectively captured positions of the test probe (16) when creating the image (20) of the test region of the test object (12).

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

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: DEVICE FOR WET TREATING THE LOWER FACE OF SUBSTRATES

<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</li> </ul>	:23/01/2014 :WO 2014/122027 :NA	(71)Name of Applicant:  1)GEBR. SCHMID GMBH  Address of Applicant:Robert Bosch Straße 32 36 72250  Freudenstadt Germany (72)Name of Inventor:  1)MÜCK Philip  2)NIETHAMMER Michael 3)WEISSER Kai
(61) Patent of Addition to Application		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a device for wet-treating flat substrates (S1, S2) by wetting the lower face with a fluid. The device includes at least one wetting station ( $B_A$ , BB) with at least one wetting roller ( $W_A$ ,  $W_B$ ) for wetting the lower face of the substrate to be treated using a fluid, said substrate being moved over the treatment roller in a transport direction (TR). The device also includes a roller transport system that has multiple transport rollers (T1 to T7,  $W_A$ ,  $W_B$ ) which are arranged one behind the other in a spaced manner in the transport direction and which include the at least one wetting roller. According to the invention, the wetting roller is arranged at a height level (Hm) which lies higher than a height level (Hu) defined by a roller transport system portion adjoining the wetting roller on the feed side by a specified height offset (AH  $_A$ ).

No. of Pages: 24 No. of Claims: 7

(22) Date of filing of Application :30/06/2015 (43) Publication Date: 29/01/2016

### (54) Title of the invention: BRAKE UNIT FOR A VEHICLE AND VEHICLE HAVING SUCH A BRAKE UNIT

(51) International

:B61H15/00,F16D65/38,F16D65/66

classification

:10 2013 201 636.0

:NA

(31) Priority Document No

:31/01/2013

(32) Priority Date (33) Name of priority country: Germany

(86) International Application :PCT/EP2014/050297

:09/01/2014 Filing Date

(87) International Publication :WO 2014/117981

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date

(62) Divisional to Application :NA Number

Filing Date (57) Abstract:

(71)Name of Applicant:

1) SIEMENS AKTIENGESELLSCHAFT

Address of Applicant: Wittelsbacherplatz 2 80333 München

Germany

(72) Name of Inventor:

1)BILDSTEIN Markus

2)GAILE Anton

3)SCHIFFERS Toni

The invention relates to a brake unit (9; 109; 209) for a vehicle in particular a rail vehicle (1) having a brake cylinder (143; 243) a brake piston (144; 244) guided axially in the brake cylinder and means (159; 259) for adjusting a clearance which form two first stops (144.1 163.1; 270.1 262.3) which are assigned to each other and strike against each other when the brake unit is opened and which form two second stops (144.2 163.2; 270.2 262.4) which are assigned to each other and strike against each other when the brake unit is closed wherein one of the first stops (163.1; 262.3) is formed on a blocking element (163; 262) that is functionally connected to the brake piston. In order to make the adjustment of the clearance simpler in design one of the second stops (163.2; 262.4) is formed on the blocking element (163; 262) that is functionally connected to the brake piston wherein a blocking member (165; 261) is in engagement with the blocking element under the force of a pre stressing spring (164; 273) in such a manner that the blocking element is blocked by the blocking member when the first stops (144.1 163.1; 270.1 262.3) strike and can continue to latch or continue to slide in relation to the blocking member under the force of the brake piston (144; 244) when the second stops (144.2 163.2; 270.2 262.4) strike. The invention further relates to a vehicle (1) having such a brake unit (9; 109; 209).

No. of Pages: 40 No. of Claims: 10

(22) Date of filing of Application :30/06/2015 (43) Publication Date: 29/01/2016

### (54) Title of the invention: BRAKE UNIT FOR A VEHICLE AND VEHICLE WITH A BRAKE UNIT OF THIS TYPE

(51) International classification: B60T8/32,B60T13/14,B60T13/68 (71) Name of Applicant:

(31) Priority Document No :10 2013 201 623.9 (32) Priority Date :31/01/2013

(33) Name of priority country :Germany

(86) International Application :PCT/EP2014/050229

:08/01/2014 Filing Date

(87) International Publication :WO 2014/117968

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1) SIEMENS AKTIENGESELLSCHAFT

Address of Applicant: Wittelsbacherplatz 2 80333 München

Germany

(72) Name of Inventor: 1)SCHIFFERS Toni 2)BILDSTEIN Markus 3)GAILE Anton

(57) Abstract:

The invention relates to a brake unit (9; 109; 209) for a vehicle, in particular a rail vehicle (1), with an electrohydraulic desiredvalue/force conversion device (132; 232) which comprises a container (41) for providing hydraulic fluid, a brake cylinder (143; 243) which is connected to the container (41) via a hydraulic line system (42) and has brake pistons (144; 244), and control means (45, 46), wherein the control means (45, 46) are suitably designed so as, under the action of electric output signals (AS1, AS2) of a desiredvalue-regulating device (35), to adjust an actual value (I.Cp_B), which acts upon the brake cylinder (144; 244), of a hydraulic pressure (Cp_B) in the brake cylinder (143; 243). According to the invention, provision is made, in a structurally advantageous manner, for one (45) of the control means to be a pump unit, by means of which hydraulic fluid is pumpable out of the container (41) into the brake cylinder (143; 243), and for a further (46) of the control means to be of suitable design to allow hydraulic fluid to flow out of the brake cylinder (143; 243) into the container (41). The invention also relates to a vehicle (1) with a brake unit (9; 109; 209) of this type.

No. of Pages: 40 No. of Claims: 12

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

### (54) Title of the invention: CONVERTER STEEL MAKING 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C21C 5/28 :2013-007188 :18/01/2013 :Japan :PCT/JP2014/050290 :10/01/2014 :WO 2014/112432 :NA :NA :NA	(71)Name of Applicant:  1)JFE STEEL CORPORATION Address of Applicant:2-3,UCHISAIWAI-CHO 2-CHOME, CHIYODA-KU, TOKYO 1000011 Japan (72)Name of Inventor: 1)KIKUCHI NAOKI 2)NAKASE KENJI 3)TAKAHASHI YUKIO 4)UCHIDA YUICHI 5)MIKI YUJI 6)IWAKI YOZO 7)IKAGAWA TORU 8)TANAKA KOTARO 9)KAWABATA RYO 10)SASAKI NAOTAKA 11)OKUYAMA GORO 12)MOMOSAKI KAZUHITO
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### (57) Abstract:

[Task] It is to enhance desiliconization and dephosphorization efficiencies of a molten iron with a small amount of a flux solvent to not only reduce production cost of a low-phosphorus pig iron but also suppress cost of decarburization treatment.

[Solution] A molten iron is charged into a first converter to perform desiliconization, and an intermediate slag removal is performed so as to remove a part of a slag after the desiliconization and retain the remaining slag together with the molten iron in the converter, and oxygen for refining and powder containing a lime-based flux solvent or further a fuel gas and a combustible gas are blown through a lance with burner function onto a bath surface of the molten iron retained in the converter after the desiliconization to perform dephosphorization of the molten iron, and the molten iron after the dephosphorization is tapped while retaining at least a part of a slag after the dephosphorization in the converter, and the molten iron tapped after the dephosphorization is transferred to another converter and subjected to decarburization treatment.

No. of Pages: 44 No. of Claims: 7

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

### (54) Title of the invention: BOGIE FOR ROLLING STOCK AND ROLLING STOCK PROVIDED THEREWITH

<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 Filing Date</li> </ul>	:B61F 5/30 :2013-002706 :10/01/2013 :Japan :PCT/JP2014/000004 :06/01/2014 :WO 2014/109278 :NA :NA :NA	(71)Name of Applicant:  1)KAWASAKI JUKOGYO KABUSHIKI KAISHA Address of Applicant:1-1, HIGASHIKAWASAKI-CHO 3- CHOME, CHUO-KU, KOBE-SHI, HYOGO 6508670 Japan (72)Name of Inventor: 1)NISHIMURA, TAKEHIRO 2)NAKAO, Shunichi
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#### (57) Abstract:

A railcar bogie (100) includes: a cross beam (30) extending in a car width direction and supporting a carbody (101); plate springs (40) extending in a car longitudinal direction and supporting both respective car-width-direction end portions of the cross beam (30); axle boxes (20) accommodating respective bearings (12) for axles (11) and supporting respective car longitudinal-direction end portions of the plate springs (40); plate spring receivers (50) each located between the plate spring (40) and the axle box (20) and including an upper surface which is inclined toward a longitudinal-direction middle portion of the plate spring (40), the upper surface receiving the plate spring (40); and stoppers (70) arranged so as to cover at least a part of an upper surface of the plate spring (40), the part being located above the axle box (20).

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

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: LIQUID BLEND FOR REACTION INJECTION MOLDING, METHOD FOR PRODUCING REACTION INJECTION MOLDED BODY, AND REACTION INJECTION MOLDED BODY

(51) International classification :C08G 61/08 (71)Name of Applicant: (31) Priority Document No 1)RIMTEC CORPORATION :2012-285087 (32) Priority Date Address of Applicant :6-2, MARUNOUCHI 1-CHOME, :27/12/2012 CHIYODA-KU, TOKYO 1000005 Japan (33) Name of priority country :Japan :PCT/JP2013/083890 (72)Name of Inventor : (86) International Application No Filing Date :18/12/2013 1)KAMADA MICHIRU (87) International Publication No :WO 2014/103830 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The present invention provides: a liquid blend for reaction injection molding, which contains a norbornene monomer, a metathesis polymerization catalyst that contains tungsten as the central metal, an activator, and an ether compound represented by formula (1), and wherein the blending ratio of the compound to the activator (ether compound/activator) is from 0.7/1 to 30/1 in terms of molar ratio; a method for producing a reaction injection molded body, which comprises a step wherein reaction injection molding is carried out by subjecting this liquid blend for reaction injection molding to bulk polymerization in a mold; and a reaction injection molded body which is obtained by this production method. Consequently, the present invention provides: a liquid blend for reaction injection molding, which is capable of providing a reaction injection molded body that has a good surface and excellent strength, without leaving resin residue on the surface of a mold when the reaction injection molded body is released from the mold; a method for producing a reaction injection molded body, which uses this liquid blend for reaction injection molding; and a reaction injection molded body which is obtained by this method. (In formula (1), each of R1-R4 independently represents an alkyl group having 1-6 carbon atoms.)

No. of Pages: 34 No. of Claims: 6

(21) Application No.1998/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :17/09/2014 (43) Publication Date : 29/01/2016

### (54) Title of the invention: WIRELESS COMMUNICATION IMPLANT

<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>	:23/07/2014 : NA :NA :NA :NA	(71)Name of Applicant:  1)KIM,BYUNG GUN Address of Applicant: C-2304,188,SEOCHOJUNGANG-RO, SEOCHO-GU,SEOUL,137-921. Republic of Korea (72)Name of Inventor: 1)KIM,BYUNG GUN
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A wireless communication implant detachable from a housing fixed between a bone and a periosteum of a forehead portion includes an audio signal acquisition unit configured to acquire an audio signal from a user, a communication unit configured to transmit the audio signal to an external communication device and receive a response signal corresponding to the audio signal from the external communication device, a control unit configured to set up data communication with the external communication device, transmit the audio signal through the communication unit, and convert the response signal into a vibration signal, and a vibration signal output unit configured to output the vibration signal in a bone conduction scheme through the bone of the forehead portion. Accordingly, data communication with an external communication device can be performed without using a separate microphone or speaker using an implanted communication device.

No. of Pages: 27 No. of Claims: 6

(21) Application No.2097/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date: 29/01/2016

### (54) Title of the invention: TRANSPORT DEVICE FOR ARTICLE TRANSPORT BOXES

(51) International :B65G1/04,B65G47/90,B65G57/03 classification

:NA

:2013-052932 (31) Priority Document No

(32) Priority Date :15/03/2013 (33) Name of priority country :Japan

(86) International Application :PCT/JP2014/056282

:11/03/2014

Filing Date :WO 2014/142107

(87) International Publication

(61) Patent of Addition to **Application Number** :NA

Filing Date (62) Divisional to Application :NA Number

Filing Date

(71)Name of Applicant: 1)DAIFUKU CO., LTD.

Address of Applicant :2-11, Mitejima 3-chome, Nishiyodogawa-ku, Osaka-shi Osaka 5550012 Japan

(72) Name of Inventor: 1)TAKAO, Suzushi

### (57) Abstract:

A transport device for article transport boxes capable of being used in equipment for storing or sorting box pallets or the like stacked in stacks of various sizes, wherein four gripping column members (9a - 9d), which are provided so as to move up and down freely on a traveling body for transport (3) and are supported on the upper side of a storage area so as to be able to travel horizontally, have a cross sectional shape that is angled and are provided with, on the interior, a gripping face that presses against both right angle sides of each corner of the article transport box. A lifting drive means and a gripping drive means for these gripping column members are provided on the traveling body for transport (3). The gripping drive means moves at least three gripping column members of the four gripping column members horizontally between a retracting position, which is separated from each corner of the article transport box toward the exterior, and a gripping position, which grips the article transport box via the four corners thereof by way of the four gripping column members.

No. of Pages: 56 No. of Claims: 11

(21) Application No.2098/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/07/2015

(43) Publication Date: 29/01/2016

# (54) Title of the invention: MAGNESIA CARBON BRICK

<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> </ul>	:C04B35/043 :2013017153 :31/01/2013 :Japan :PCT/JP2014/051900 :29/01/2014 :WO 2014/119593 :NA :NA	(71)Name of Applicant:  1)KROSAKIHARIMA CORPORATION Address of Applicant: 1 1 Higashihama machi Yahatanishi ku Kitakyushu shi Fukuoka 8068586 Japan (72)Name of Inventor: 1)SHIOHAMA Michiharu 2)TANAKA Masato 3)MATSUO Yoshinori 4)YOSHITOMI Jouki
Number		
Filing Date	:NA	

#### (57) Abstract:

Provided is a new high durability magnesia carbon brick with further improved density (reduced porosity). This magnesia carbon brick comprises a magnesia raw material and graphite and includes 8 25 mass% of graphite and 75 92 mass% of magnesia raw material in the total amount of magnesia raw material and graphite. As the particle size composition of the magnesia raw material this magnesia carbon brick includes 35 mass% or more of magnesia raw material with a particle size of 0.075 1 mm in the total amount of magnesia raw material and graphite and the mass ratio of magnesia raw material with a particle size of 0.075 1 mm with respect to the magnesia raw material with a particle size of less than 0.075 mm is 4.2 or more. Further this magnesia carbon brick has an apparent porosity of 7.8% or less after three hours of reduction firing at 1400°C.

No. of Pages: 25 No. of Claims: 5

(22) Date of filing of Application :01/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : END MILL HAVING A SYMMETRIC INDEX ANGLE ARRANGEMENT FOR MACHINING TITANIUM

<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> </ul>	:B23C5/10 :13/766509 :13/02/2013 :U.S.A. :PCT/IL2014/050069 :20/01/2014 :WO 2014/125474 :NA	(71)Name of Applicant:  1)ISCAR LTD.  Address of Applicant: P.O. Box 11 24959 Tefen Israel (72)Name of Inventor:  1)BUDDA Eliyahu  2)KHINA Alexander 3)ZEHAVI Gabby
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

An end mill (10) for machining titanium includes a cutting portion (1 having blunt cutting edges (30) alternated with flutes (22). Each flute (22) includes, in order from the cutting edge (30), a rake surface (28 a concavely shaped bending portion (38), a convexly shaped ejecting portion (36) and a tooth relief edge (32). The convexly shaped ejecting portion (36) has an ejection height E, which is measurable between an apex of the ejecting portion (36) to an imaginary straight line extending from a nadir of the adjacent bending portion (36) of the flute (22) to the adjacent tooth relief edge (32). In a plane perpendicular to a rotation axis AR of the end mill (10), the ejection height E and a cutting portion diameter  $D_E$ , fulfill the condition  $0.010D_E < E < 0.031D_E$ .

No. of Pages: 28 No. of Claims: 24

(21) Application No.1886/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :17/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: CONTINUOUS ETHYLENE TETRAMERIZATION 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07C2/36 :2800268 :21/12/2012 :Canada :PCT/CA2013/001003 :04/12/2013 :WO 2014/094114 :NA :NA :NA	(71)Name of Applicant:  1)NOVA CHEMICALS (INTERNATIONAL) S.A. Address of Applicant: Avenue de la Gare 14 CH 1700 Fribourg Switzerland (72)Name of Inventor: 1)ZORICAK Peter 2)BROWN Stephen John 3)CHISHOLM P. Scott
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#### (57) Abstract:

A continuous flow process for the oligomerization of ethylene using a chromium catalyst having a phosphorus - nitrogen - phosphorus (P-N-P) ligand provides high selectivity to the desired tetramer (1-octene) with reduced production of coproduct  $C^{10+}$  oligomers. Prior art processes that maximize catalyst activity have provided comparatively poor product selectivity. In particular, the production of larger amounts of  $C^{10+}$  oligomers have been observed under conditions that maximize activity. The present process resolves this problem through the use of a combination of low catalyst concentration and by limiting the octene concentration in the reactor.

No. of Pages: 26 No. of Claims: 9

(21) Application No.1887/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 17/06/2015 (43) Publication Date: 29/01/2016

### (54) Title of the invention: IMPROVED MULTILAYER BLOWN FILMS

:07/01/2014

(51) International classification:B32B27/32,B29C47/06,B29D7/01 (71)Name of Applicant:

(31) Priority Document No :2802732 (32) Priority Date :18/01/2013

(33) Name of priority country :Canada

(86) International Application :PCT/CA2014/000006 No

Filing Date

(87) International Publication :WO 2014/110657

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)NOVA CHEMICALS (INTERNATIONAL) S.A. Address of Applicant : Avenue de la Gare 14 CH 1700

Fribourg Switzerland (72)Name of Inventor: 1)FALLA Daniel J.

#### (57) Abstract:

Coextruded multilayer blown films are produced comprising: a core layer comprising at least one random polypropylene copolymer; at least one skin or intermediate layer adjacent to said core layer; wherein the coextruded multilayer film has at least 30% higher machine direction tear at least 30% improved tear ratio (machine direction tear divided by transverse direction tear) and at least 10% lower film haze relative to a similar multilayer film comprising at least one impact polypropylene copolymer in the core layer.

No. of Pages: 43 No. of Claims: 53

(21) Application No.1888/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :17/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : CONTROL OF THE VISCOSITY OF REACTION SOLUTIONS IN HYDROFORMYLATION 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> <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 Filing Date</li> </ul>	:C07C45/50 :10 2012 223 572.8 :18/12/2012 :Germany :PCT/EP2013/075933 :09/12/2013 :WO 2014/095452 :NA :NA :NA	(71)Name of Applicant:  1)EVONIK DEGUSSA GMBH  Address of Applicant: Rellinghauser Straße 1 11 45128 Essen Germany (72)Name of Inventor:  1)FRIDAG Dirk  2)LENZ Udo  3)LUEKEN Hans Gerd  4)FRANKE Robert  5)RUDEK Markus  6)WIESE Klaus Diether  7)BRÖCKER Sönke  8)PRISKE Markus  9)PATALONG Christoph
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# (57) Abstract:

The present invention relates to a method and a device for controlling the viscosity of reaction solutions in the hydroformylation of olefin containing mixtures.

No. of Pages: 45 No. of Claims: 13

(21) Application No.1889/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :17/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: FILTER ARRANGEMENTS; COMPONENTS; ASSEMBLIES; 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> <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 Filing Date</li> </ul>	:B01D46/24 :61/728091 :19/11/2012 :U.S.A. :PCT/US2013/070585 :18/11/2013 :WO 2014/078796 :NA :NA	(71)Name of Applicant:  1)DONALDSON COMPANY INC.  Address of Applicant:1400 West 94th Street P.O. Box 1299  Minneapolis MN 55440 1299 U.S.A. (72)Name of Inventor:  1)CAMPBELL Steven 2)GIESEKE Steven Scott 3)ALBITZ Andrew L.
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#### (57) Abstract:

Filter cartridge arrangements features and methods of construction are described. Also described are filter assemblies having the filter cartridge installed therein as a removable service component. The filter cartridge generally comprises a media pack having an end with an end piece positioned thereon. The end piece includes an end cap section and a seal support. A seal member is secured in the end cap. Methods of assembly and use are described.

No. of Pages: 114 No. of Claims: 78

(22) Date of filing of Application :01/07/2015

(43) Publication Date: 29/01/2016

# (54) Title of the invention : SAFETY PLANT FOR A CABLE STRETCHING MACHINE CORRESPONDING METHOD AND STRETCHING MACHINE USING SAID PLANT

<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>	:H02G1/04,B60M1/28 :MI2012A002081 :05/12/2012 :Italy :PCT/IB2013/002695 :04/12/2013 :WO 2014/087222 :NA	(71)Name of Applicant: 1)TESMEC SPA Address of Applicant: Piazza S. Ambrogio 16 I 20123 Milano Italy (72)Name of Inventor: 1)VITALI Maurizio 2)OSCAR Alberto
	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Safety plant for a stretching machine (11) of the brake type comprising a negative brake (22) which can be selectively activated and de activated so as to constrain and respectively allow the rotation of at least one capstan (12) which supports cables a pumping device (24) connected to the negative brake (22) and configured to de activate the latter during the normal use of the stretching machine (11) putting a working fluid under pressure pressure energy accumulation means (32) of said working fluid and a maximum pressure valve (18) configured to regulate the working pressure of a hydraulic motor (13) for controlling the twisting torque applied to the capstan (12). The plant also comprises a motorized drive device (19) connected to the maximum pressure valve (18) and provided to selectively regulate the action of the latter on the hydraulic motor (13) even in a breakdown condition of at least the pumping device (24) in order to maintain the working pressure of the hydraulic motor (13) and to maintain the negative brake (22) de-activated by the intervention of the pressure energy accumulation means (32).

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

(22) Date of filing of Application :24/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : METHOD FOR ADJUSTING IN FURNACE ATMOSPHERE OF CONTINUOUS HEAT TREATING FURNACE

(51) International classification :C21D1/74,C21D1/76,C21D9/56 (71) Name of Applicant: (31) Priority Document No 1)JFE STEEL CORPORATION (32) Priority Date Address of Applicant: 2 3 Uchisaiwai cho 2 chome Chiyoda :NA (33) Name of priority country ku Tokyo 1000011 Japan :NA (86) International Application No:PCT/JP2013/000435 (72) Name of Inventor: Filing Date :28/01/2013 1)TAKADA Motoki (87) International Publication No: WO 2014/115190 2)TAKAHASHI Hideyuki (61) Patent of Addition to 3)FUJII Takamasa :NA **Application Number** 4)SATO Nobuyuki :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

### (57) Abstract:

The purpose of the invention is to solve the conventional problem of not being able to prevent a localized decrease in the furnace temperature without injecting additional heat when using a refiner to reduce the furnace dew point in a continuous annealing furnace. This method for adjusting the in furnace atmosphere of a continuous annealing furnace is characterized in that a gas constituting part of the in furnace atmosphere is drawn into a refiner (8) provided outside the furnace and then dehumidified and deacidified after which the dehumidified and deacidified gas that has left the refiner (8) is caused to exchange heat in a heat exchanger (7) provided outside the furnace with gas drawn into the refiner (8) and then caused to exchange heat in an in furnace heat exchanger (11) provided in the furnace with the in furnace atmosphere and subsequently blown back into the furnace.

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

(22) Date of filing of Application :24/06/2015 (43) Publication Date : 29/01/2016

### (54) Title of the invention: DEVICE AND METHOD FOR REGULATING A TREATMENT DEVICE

(51) International classification :A61M1/16,A61M1/34 (71)Name of Applicant : (31) Priority Document No 1)FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH :10 2013 001 587.1 (32) Priority Date :30/01/2013 Address of Applicant :Else Kröner Str. 1 61352 Bad Homburg (33) Name of priority country :Germany Germany (86) International Application No :PCT/EP2014/051615 (72)Name of Inventor: Filing Date :28/01/2014 1)HEIDE Alexander (87) International Publication No :WO 2014/118168 2)NIKOLIC Dejan (61) Patent of Addition to Application 3)PETERS Arne :NA Number 4)WIKTOR Christoph :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The invention relates to a method and a device for regulating an ultrafiltration process in a dialysis treatment in which blood to be ultrafiltered flows through a blood chamber (110) of a dialyzer (113) in an extracorporeal blood circuit (109) said dialyzer being separated into the blood chamber (110) and a dialysis fluid chamber (108) by a semipermeable membrane (111) and the dialysis fluid flows through the dialysis fluid chamber (108) of the dialyzer (113) in a dialysis fluid circuit (109). The device has a blood pump (115) for controlling a blood flow in the extracorporeal blood circuit (112) a dialysis fluid pump (107) for controlling a dialysis fluid flow in the dialysis fluid circuit (109) upstream or downstream of the dialyzer a throttle (117) for controlling the dialysis fluid circuit between a feed stream (106) and a discharge (105) of the dialysis fluid chamber (113) as a measurement for the ultrafiltration and a regulating unit (101) for regulating the blood pump (115) the throttle (117) and/or the dialysis fluid pump (107). The pump or the throttle (117) is regulated such that a specified ultrafiltration is achieved.

No. of Pages: 38 No. of Claims: 17

(22) Date of filing of Application :24/06/2015 (43) Publication Date : 29/01/2016

### (54) Title of the invention: VALVE HOUSING AND METHOD FOR ASSEMBLING A VALVE HOUSING

:B60G17/052,F16K27/00 (71)Name of Applicant : (51) International classification 1)KNORR BREMSE SYSTEME FÜR NUTZFAHRZEUGE (31) Priority Document No :10 2013 100 243.9 (32) Priority Date :11/01/2013 **GMBH** (33) Name of priority country :Germany Address of Applicant : Moosacher Str. 80 80809 München :PCT/EP2014/050304 (86) International Application No Germany (72) Name of Inventor: Filing Date :09/01/2014 (87) International Publication No :WO 2014/108463 1)KONCZ Laszlo (61) Patent of Addition to Application 2)FARKAS Gabor :NA Number 3)KOVACS Peter Andras :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The invention relates a valve housing in particular for a height control valve (300) and/or a rapid action valve. The valve housing has a first housing part (310) and a second housing part (320). The first housing part (310) and the second housing part (320) can be brought together in an assembly orientation in relation to one another in order to establish mechanical contact between the first housing part (310) and the second housing part (320) and can be moved out of said orientation into a securing orientation in relation to one another. The first housing part (310) and the second housing part (320) are designed to be secured or securable to each other mechanically in the securing orientation.

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

(21) Application No.2101/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/07/2015 (43) Publication Date: 29/01/2016

#### (54) Title of the invention: MARINE EXHAUST GAS SCRUBBER

(51) International classification: B01D53/18,F23J15/04,B01D3/26 (71) Name of Applicant:

:PCT/EP2014/053428

:21/02/2014

(31) Priority Document No :20130290 (32) Priority Date :22/02/2013

(33) Name of priority country :Norway

(86) International Application

Filing Date

(87) International Publication

:WO 2014/128261 (61) Patent of Addition to

:NA **Application Number** :NA Filing Date (62) Divisional to Application

:NA Number :NA Filing Date

1)MARINE GLOBAL HOLDING AS

Address of Applicant : Hus 6 Drammensveien 134 N 0277

Oslo Norway

(72) Name of Inventor:

1)STRANDBERG Peter

#### (57) Abstract:

A vertical scrubber (1) for exhaust gas from a marine vessel is described. An exhaust gas tube (2) is substantially coaxially arranged through the bottom of a lower scrubbing chamber (3) and is released though an exhaust gas outlet (20) being coaxially arranged through the top of an upper scrubbing chamber (13). A lower scrubbing chamber deflection body (4) is arranged above the opening of the exhaust gas tube (2) for redirecting the exhaust gas towards the walls of the scrubber and create turbulent gas flow where one or more lower chamber water injector(s) (6 6) is (are) arranged above the lower scrubbing chamber deflection body (4) to introduce scrubbing water and where a lower chamber exhaust gas outlet (12) is arranged at the top of the lower scrubbing chamber (3) as a coaxial constriction for withdrawing the partly scrubbed exhaust gas from the first scrubbing chamber and introducing the gas into the upper scrubbing chamber (13).

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

(22) Date of filing of Application :24/06/2015 (43) Publication Date: 29/01/2016

### (54) Title of the invention: ENERGY ABSORPTION DEVICE FOR AIRCRAFT STRUCTURAL ELEMENT

(51) International classification: B64C11/20,B64C27/00,B32B5/24 (71) Name of Applicant:

:1262896 (31) Priority Document No (32) Priority Date :27/12/2012 (33) Name of priority country :France

(86) International Application

:PCT/EP2013/076754 No

:16/12/2013 Filing Date

(87) International Publication :WO 2014/102085

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)EUROPEAN AERONAUTIC DEFENCE AND SPACE

COMPANY EADS FRANCE Address of Applicant :37 boulevard de Montmorency F 75016

Paris France

(72) Name of Inventor: 1)PETIOT Caroline 2)BERMUDEZ Michel

3)MESNAGE Didier

#### (57) Abstract:

The invention concerns a device for absorbing kinetic energy for an aircraft structural element that may undergo a dynamic impact comprising: an outer enclosure (21) made from a braided composite material capable of preserving its integrity after an impact a foam core (22) contained in the outer enclosure and capable of at least partially filling said outer enclosure said foam core being capable of at least partially absorbing the kinetic energy generated by the impact and reinforcing elements including at least one dry composite fibre preform (30) integrated into the foam core to dissipate combined with the foam core the kinetic energy generated by the impact. The invention also relates to a method for integrating said device for absorbing kinetic energy.

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

(22) Date of filing of Application :24/06/2015 (43) Publication Date : 29/01/2016

### (54) Title of the invention: DEVICE AND METHOD FOR CONTROLLING A HANDLING 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> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61M1/16 :10 2013 002 395.5 :13/02/2013 :Germany :PCT/EP2014/052087 :04/02/2014 :WO 2014/124832 :NA :NA :NA	(71)Name of Applicant:  1)FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH Address of Applicant: Else Kröner Str. 1 61352 Bad Homburg Germany (72)Name of Inventor: 1)HEIDE Alexander 2)NIKOLIC Dejan 3)PETERS Arne 4)WIKTOR Christoph
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#### (57) Abstract:

The invention relates to a method and a device for controlling or regulating ultra-filtration in dialysis treatment wherein the blood to be ultra-filtered flows in an extra-corporeal blood circuit (109) through a blood chamber (110) of a dialyzer (113) divided by a semipermeable membrane (111) into the blood chamber (110) and a dialysis liquid chamber (108) and dialysis liquid in a dialysis liquid circuit (109) flows through the dialysis liquid chamber (108) of the dialyzer (113). The device has a blood pump (115) for generating a blood flow in the extra-corporeal blood circuit (112), a dialysis liquid pump (107) for generating a dialysis liquid flow in the dialysis liquid circuit (109), a balancing device (104) for aligning a liquid balance in the dialysis liquid circuit between an inflow (106) and an outflow (105) of the dialysis liquid chamber (113) as a dimension for the ultra-filtration, and a control unit (101) for controlling the blood pump (115) and/or the dialysis liquid pump (107). The control is carried out such that a predefined ultra-filtration is achieved without additional active control or regulation of the dialysis liquid flow flowing out of the dialyzer (113) or into the dialyzer (113).

No. of Pages: 32 No. of Claims: 14

(22) Date of filing of Application :01/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: FLOW TABLE MATCHING METHOD AND DEVICE AND SWITCH

<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> </ul>	:G06F17/30 :201210586928.3 :28/12/2012 :China :PCT/CN2013/090465 :25/12/2013 :WO 2014/101777 :NA :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD.  Address of Applicant: Huawei Administration Building Bantian Longgang Shenzhen Guangdong 518129 China (72)Name of Inventor:  1)ZHOU Zaifu
Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Provided are a flow table matching method and device and a switch. The method comprises: separately storing exact matching table items and wild matching table items of each flow table item storing the exact matching table items in a memory storing the wild matching table items in a TCAM using an index value (index) to represent the exact matching table items so as to reduce TCAM resources used by the exact matching table items and improve the utilization rate of the TCAM; and using an appropriate search algorithm to respectively match the exact matching table items with the wild matching table items thereby improving the search speed.

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

(22) Date of filing of Application :01/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: MANAGING ELECTRICAL POWER FOR A NUCLEAR REACTOR 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:61/733,258 :04/12/2012 :U.S.A. :PCT/US2013/072794 :03/12/2013 :WO 2014/130123 :NA :NA	(71)Name of Applicant:  1)NUSCALE POWER, LLC Address of Applicant: 1100 NE Circle Blvd., Suite 200 Corvallis, Oregon 97330 U.S.A. (72)Name of Inventor: 1)HOUGH, Ted
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An electrical power system for a nuclear power facility includes an active alternating current (AC) power bus configured to be electrically coupled to a plurality of engineered safety feature (ESF) loads of a plurality of nuclear power systems, each of the ESF loads configured to fail to a safe position upon loss of primary AC power; a critical battery system electrically coupled to the active AC bus, the critical battery system comprising a plurality of valve regulated lead acid (VRLA) batteries; and a primary AC power source electrically coupled to the active AC bus.

No. of Pages: 33 No. of Claims: 22

(21) Application No.1900/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :17/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: SYSTEMS AND METHODS FOR INTERFERENCE AVOIDANCE CHANNEL SOUNDING AND OTHER SIGNALING FOR MULTI USER FULL DUPLEX 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04W72/04 :61/737627 :14/12/2012 :U.S.A. :PCT/CN2013/089529 :16/12/2013 :WO 2014/090199 :NA :NA :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD.  Address of Applicant: Huawei Administration Building Bantian Longgang Shenzhen Guangdong 518129 China (72)Name of Inventor:  1)ZHU Peiying 2)TONG Wen 3)MA Jianglei
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#### (57) Abstract:

System and method embodiments are provided for transmission and reception scheduling for wireless devices in a multi user full duplex transmission environment. The embodiments enable interference avoidance between neighboring wireless devices. The system and method also enable channel sounding. In an embodiment a method for scheduling transmissions in a multi user wireless system includes determining by a transmission point neighboring wireless devices for each of a plurality of wireless devices located within a coverage area of the transmission point and determining by the transmission point a transmission schedules for respective ones of the plurality of wireless devices according to the neighboring information of the devices such that each respective wireless device is scheduled to transmit data over different time frequency resources than those in which neighboring wireless devices of the respective wireless device are scheduled to receive data.

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

(21) Application No.2010/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :24/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: MAGNETICALLY POLARIZED PHOTONIC DEVICE

(51) International classification	:H01L31/02	(71)Name of Applicant :
(31) Priority Document No	:61/737,073	1)MARSHALL, Daniel, Scott
(32) Priority Date	:13/12/2012	Address of Applicant :4160 West Post Road, Chandler, AZ
(33) Name of priority country	:U.S.A.	85226 U.S.A.
(86) International Application No	:PCT/US2013/075003	(72)Name of Inventor:
Filing Date	:13/12/2013	1)MARSHALL, Daniel, Scott
(87) International Publication No	:WO 2014/093816	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A magnetically polarized photonic device is provided. The magnetically polarized photonic device (100) includes substrate (102), an annihilation layer (106) and a graded band gap layer (142). The annihilation layer (106) is deposed on a surface (104) of substrate (102) with graded band gap layer (142) disposed on annihilation layer (106). Contacts (1 16, 128) are disposed on ends (146, 150) of magnetically polarized photonic device (100). A magnetic field (159) is applied to graded band gap layer (142) and annihilation layer (106) to drive charges to contacts (1 16, 128).

No. of Pages: 73 No. of Claims: 63

(21) Application No.2011/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :24/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : FILTER CARTRIDGES; FEATURES AND METHODS OF ASSEMBLY; FILTER ASSEMBLIES; AND FILTER CARTRIDGE COMBINATIONS

:B01D46/24,B01D46/52 | (71)Name of Applicant : (51) International classification (31) Priority Document No 1)DONALDSON COMPANY INC. :61/731259 (32) Priority Date Address of Applicant: 1400 West 94th Street P.O. Box 1299 :29/11/2012 (33) Name of priority country Minneapolis Minnesota 55440 1299 U.S.A. :U.S.A. (86) International Application No (72) Name of Inventor: :PCT/US2013/072495 Filing Date :29/11/2013 1)CAMPBELL Steven (87) International Publication No :WO 2014/085769 2)BASEOTTO Michel (61) Patent of Addition to Application

:NA

:NA

:NA

:NA

(57) Abstract:

Filing Date

Filing Date

Number

Filter cartridge arrangements features thereof and assembly for use therewith are provided. Selected filter cartridge features disclosed are particularly well adapted for use with a safety or secondary filter cartridge usable with media thereof projecting into an open interior of a main filter cartridge in use. An example filter cartridge is described with a non pleated end and a pleated end although variations are also described. Advantageous main cartridges are also described. Methods of assembly and systems for use are described.

No. of Pages: 185 No. of Claims: 144

(62) Divisional to Application Number

(21) Application No.2113/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: EICOSAPENTAENOIC ACID (EPA) FORMULATIONS

(51) International :A61K31/202,A61P9/00,A61P25/00

classification :A01K31/202,A01P9/00,A01P23/00

(31) Priority Document No :61/745,740 (32) Priority Date :24/12/2012 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2013/076178

No :18/12/2013

Filing Date

(87) International Publication :WO 2014/105576

(61) Patent of Addition to

Application Number :NA

Application Number
Filing Date

(2) Print Application Number

(3) Print Application Number

(4) Print Application Number

(5) Print Application Number

(6) Print Application Number

(7) Print Application Number

(8) Print Application Number

(9) Print Application Number

(9) Print Application Number

(1) Print Application Number

(1) Print Application Number

(1) Print Application Number

(1) Print Application Number

(2) Print Application Number

(3) Print Application Number

(4) Print Application Number

(5) Print Application Number

(6) Print Application Number

(7) Print Application Number

(8) Print Application Number

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(1) Print Application Number

(2) Print Application Number

(3) Print Application Number

(4) Print Application Number

(5) Print Application Number

(6) Print Application Number

(7) Print Application Number

(8) Print Application Number

(9) Print Application Number

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(1) Print Application Number

(2) Print Application Number

(3) Print Application Number

(4) Print Application Number

(5) Print Application Number

(6) Print Application Number

(7) Print Application Number

(8) Print Application Number

(9) Print Application Number

(9) Print Application Number

(1) Print Application Number

(2) Print Application Number

(3) Print Application Number

(4) Print Application Number

(5) Print Application Number

(6) Print Application Number

(7)

(62) Divisional to Application
Number
:NA
:NA

Filing Date

(71)Name of Applicant:

1)QUALITAS HEALTH, LTD.

Address of Applicant :16 Hartom Street, 91450 Jerusalem

Israel

(72)Name of Inventor:

1)WAIBEL, Brian J. 2)SCHONEMANN, Hans

3)KRUKONIS, Val 4)KAGAN, Michael

(57) Abstract:

Provided herein are compositions comprising eicosapentaenoic acid (EPA) and polar lipids (e.g., glycolipids and phospholipids), and which do not contain any docosahexaenoic acid (DHA) or esterified fatty acids.

No. of Pages: 165 No. of Claims: 81

(21) Application No.2114/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/07/2015 (43) Publication Date : 29/01/2016

### (54) Title of the invention: A RAILWAY SLEEPER

(51) International classification :E01B3/44,E01B3/46,B29C39/10 (71) Name of Applicant: (31) Priority Document No 1)CARBONLOC PTY LTD :2012905626 (32) Priority Date :19/12/2012 Address of Applicant: 82-88 Mills Road Braeside, Victoria (33) Name of priority country :Australia 3195 Australia (72)Name of Inventor: (86) International Application :PCT/AU2013/001492 No 1)VAN ERP, Gerardus Maria :19/12/2013 Filing Date (87) International Publication :WO 2014/094057 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

### (57) Abstract:

A railway sleeper comprising a body having a top face on which railway rails are located and a bottom face for placement on a ground surface. The body is formed from a plurality of fibre composite sandwich panels plus a polymer concrete comprising an amount of polymer resin and an amount of filler. Each sandwich panel has a pair of fibre composite skins with a structural core material located therebetween. The fibre composite sandwich panels extend longitudinally within said body.

No. of Pages: 27 No. of Claims: 36

(21) Application No.1918/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 18/06/2015 (43) Publication Date: 29/01/2016

### (54) Title of the invention: COMBINATION OF ACTIVE AGENTS COMPRISING AT LEAST ONE ESSENTIAL OIL, ONE CYCLODEXTRIN AND ONE LIQUID FATTY SUBSTANCE AND COMPOSITION COMPRISING IT

(51) International classification :A61K8/31,A61K8/34,A61K8/37 (71)Name of Applicant: (31) Priority Document No :12 62707

(32) Priority Date :21/12/2012 (33) Name of priority country :France

(86) International Application :PCT/IB2013/061146

:19/12/2013 Filing Date

(87) International Publication No:WO 2014/097213

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)L'OREAL

Address of Applicant: 14 rue Royale, F-75008 Paris France

(72)Name of Inventor:

1)SAQUET-GOUVILLE, Cécile

2)BIGANSKA, Olga 3)MARION, Catherine

### (57) Abstract:

The present invention relates to a combination of active agents comprising at least one essential oil, at least one cyclodextrin and at least one liquid fatty substance, the cyclodextrin/essential oil weight ratio ranging from 5 to 12, and to its process of preparation. The present invention also relates to a composition comprising, in a physiologically acceptable medium, such a combination of active agents, and to its process of preparation.

No. of Pages: 45 No. of Claims: 17

(21) Application No.1919/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 18/06/2015 (43) Publication Date: 29/01/2016

### (54) Title of the invention: MANNOSE DERIVATIVES FOR TREATING BACTERIAL INFECTIONS

(51) International :C07H15/26,C07H19/056,A61K31/7048 classification

:61/738,620

:18/12/2012

:18/12/2013

:PCT/US2013/076086

:WO 2014/100158

:U.S.A.

:NA

:NA

:NA

(31) Priority Document

(32) Priority Date

(33) Name of priority country

(86) International

Application No

Filing Date

(87) International Publication No

(61) Patent of Addition to :NA **Application Number** 

Filing Date (62) Divisional to

**Application Number** Filing Date

(57) Abstract:

(71)Name of Applicant:

1) VERTEX PHARMACEUTICALS INCORPORATED

Address of Applicant: 130 WAVERLY STREET,

CAMBRIDGE, MA 02139 U.S.A.

(72)Name of Inventor:

1) RAMTOHUL, Yeeman, K.

2)DAS, Sanjoy, Kumar

3) CADILHAC, Caroline

4) REDDY, Thumkunta, Jagadeeswar

5) VAILLANCOURT, Louis

6)GALLANT, Michel

7)LIU, Bingcan

8) DIETRICH, Evelyne

9)VALLEE, Frederic

10)MARTEL, Julien

11)POISSON, Carl

The present invention relates to compounds useful for the treatment or prevention of bacteria infections. These compounds have formula (I). The invention also provides pharmaceutically acceptable compositions containing the compounds and methods of using the compositions in the treatment of bacteria infections. Finally, the invention provides processes for making compounds of the invention.

No. of Pages: 278 No. of Claims: 112

(21) Application No.2125/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/07/2015 (43) Publication Date : 29/01/2016

#### (54) Title of the invention: HOLLOW POPPET 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> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA :NA :PCT/JP2013/057133 :14/03/2013 :WO 2014/141416 :NA :NA :NA	(71)Name of Applicant:  1)NITTAN VALVE CO., LTD.  Address of Applicant:518, Soya, Hadano-shi, Kanagawa 2570031 Japan (72)Name of Inventor:  1)TSUNEISHI Osamu 2)ISHIHARA Naoya
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Provided is a hollow poppet valve for which the heat-drawing effect is improved by providing a stepped part for generating turbulent flow at a prescribed location of a small-diameter hollow part (S2) of the valve shaft part in the axial direction. This hollow poppet valve (10) has an umbrella part (14) integrally formed on one end of a shaft part of the poppet valve, with a hollow part (S) being formed from the umbrella part (14) to the shaft part (12) of the poppet valve, and the hollow part (S) being filled with a cooling material (19). The small-diameter hollow part (S2) within the shaft part (12) communicates with a large-diameter hollow part (S1) inside the umbrella part (14), and the inner diameter of a hollow part (S21) of the small-diameter hollow part, which is closer to the shaft end, is greater than that of a hollow part (S22), which is closer to the umbrella part, thereby providing a stepped part (17) in the small-diameter hollow part (S2), and the coolant material (19) fills the interior past the stepped part (17). When the coolant material (19) moves inside the small-diameter hollow part (S2) in conjunction with the up/down operation of the valve (10), a turbulent flow is generated near the stepped part (17), thereby promoting the stirring of the coolant material (19).

No. of Pages: 28 No. of Claims: 3

(21) Application No.2126/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/07/2015 (43) Publication Date: 29/01/2016

(54) Title of the invention: GAS COOLER

(51) International classification :F28G1/08,B08B1/00,C23C16/44 (71)Name of Applicant:

(31) Priority Document No :2013-037108 (32) Priority Date :27/02/2013

(33) Name of priority country :Japan

(86) International Application :PCT/JP2014/000981

:25/02/2014 Filing Date

(87) International Publication :WO 2014/132626

(61) Patent of Addition to

:NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1) JFE STEEL CORPORATION

Address of Applicant: 2-3 Uchisaiwai-cho 2-chome, Chiyoda-

ku. Tokyo 1000011 Japan (72)Name of Inventor:

1)KOGA, Yasunari 2)TOMINAGA, Kenichi

3)TSUTSUMI, Michiaki

#### (57) Abstract:

Provided is a gas cooler which is reduced in size, is configured so as to prevent discharge gas from leaking to the outside, and enables dust to be consistently brushed off. This gas cooler (1) has: cooling pipes (5) which are arranged within a cooling chamber (3); a dust brush-off member (7) which is provided in a slidable manner on the peripheral surfaces of the cooling pipes; and a reciprocation mechanism (9) which is capable of reciprocating the dust brush-off member in the axial direction of the cooling pipes. The reciprocation mechanism is provided with: a holding member (17) which holds the dust brush-off member so that the dust brush-off member is capable of reciprocating and which extends in the direction intersecting the axial direction of the cooling pipes; an opening (19) which is provided in a side wall (3a) of the cooling chamber and which enables the holding member to extend out of the cooling chamber and reciprocate; a seal mechanism (21) which prevents gas within the cooling chamber from leaking to the outside; a movement body (22) which supports the holding member extending out of the opening and which is capable of reciprocating; and a drive means (24) which reciprocates the movement body.

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

(21) Application No.1920/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :18/06/2015 (43) Publication Date: 29/01/2016

(54) Title of the invention: VEHICLE

(51) International classification :B62J23/00,B62J15/00,B62K5/05 (71)Name of Applicant:

:PCT/JP2013/083937

(31) Priority Document No :2012276257 (32) Priority Date :18/12/2012

(33) Name of priority country :Japan

(86) International Application No

:18/12/2013 Filing Date

(87) International Publication :WO 2014/098144

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)YAMAHA HATSUDOKI KABUSHIKI KAISHA Address of Applicant :2500 Shingai Iwata shi Shizuoka

4388501 Japan

(72) Name of Inventor: 1)HIRAYAMA Yosuke

(57) Abstract:

A vehicle-body cover comprises a front cover (221) and a front spoiler (222). The front cover (221) covers at least part of a linkage mechanism (5), is provided so as not to be able to move with respect to a vehicle body, and has a front section (221a) that is located forwards of the respective rear edges (WB) of a front-right wheel and a front-left wheel. The front spoiler (222) is provided so as to be able to move with respect to the vehicle body in accordance with the operation of a steering mechanism. The bottom edge (SD) of the front spoiler (222) is located below the bottom edge (CDE) of the front section (221a) of the front cover (221). The front spoiler (222) reduces the wind pressure applied to at least one of the following when the vehicle (1) is in motion: a part of a power unit, a part of the vehicle-body cover, or a part of the vehicle frame that, viewed from in front of the vehicle (1) with the vehicle (1) in an upright state, is located below the linkage mechanism (5), to the left of the front-right wheel, and to the right of the front-left wheel, and viewed from the side of the vehicle (1) with the vehicle (1) in an upright state, is located rearwards of the front-right wheel and the front-left wheel.

No. of Pages: 95 No. of Claims: 13

(22) Date of filing of Application :18/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: BLENDS OF POLYMERS AS WET STRENGTHENING AGENTS FOR PAPER

(51) International classification	:D21H17/56,D21H17/55,D21H21/20	(71)Name of Applicant: 1)GEORGIA-PACIFIC CHEMICALS LLC
(31) Priority Document No	:61/739,329	Address of Applicant: 133 Peachtree Street NE, Atlanta,
(32) Priority Date	:19/12/2012	Georgia 30303 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor : 1)HAGIOPOL, Cornel
(86) International Application No Filing Date	:PCT/US2013/075534 :17/12/2013	2)TOWNSEND, David F. 3)RINGOLD, Clay E. 4)JOHNSTON, James W.
(87) International Publication No	:WO 2014/099838	5)MCDONALD, Robert 6)SIMPSON, Metric M.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	7)POTTER, Frederick S.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Resin systems and methods for making and using same are provided. The method for making a paper product can include contacting a plurality of pulp fibers with a resin system. The resin system can include a first polyamidoamine-epihalohydrin resin and a second resin that can include a second polyamidoamine-epihalohydrin resin, a urea-formaldehyde resin, or a mixture thereof to produce a paper product. The first resin and the second resin can be sequentially or simultaneously contacted with the plurality of pulp fibers. The period for sequential addition between the first resin and the second resin is about 1 second to about 1 hour.

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

(21) Application No.1922/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application: 18/06/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: POWER LINE MONITORING APPARATUS AND METHOD

(51) International classification (31) Priority Document No	:G01R15/18 :1222362.4	(71)Name of Applicant: 1)THE UNIVERSITY OF MANCHESTER
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:12/12/2012 :U.K.	Address of Applicant :Oxford Road, Manchester Greater Manchester M13 9PL UNITED KINGDOM.
(86) International Application No Filing Date	:PCT/GB2013/053272 :12/12/2013	(72)Name of Inventor: 1)LI, Haiyu
(87) International Publication No	:WO 2014/091233	1)Li, Haiyu
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Devices and methods for measuring an electrical characteristic, in particular, for measuring current are provided. The devices can use a pair of MEMS optical modulators as opposed to the more conventional coil and associated oil insulation arrangement.

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

(19) INDIA

(22) Date of filing of Application :18/06/2015 (43) Publication Date : 29/01/2016

(54) Title of the invention: BUTTERFLY VENT

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number :N	F16K17/14 F1/797,917 8/12/2012 J.S.A. PCT/US2013/075802 7/12/2013 WO 2014/100001 NA JA	<ul> <li>(71)Name of Applicant:</li> <li>1)FARWELL, Steven</li> <li>Address of Applicant: 7585 N. 143 East Avenue, Owasso, OK</li> <li>74055 U.S.A.</li> <li>2)BRAZIER, Geoffrey</li> <li>(72)Name of Inventor:</li> <li>1)FARWELL, Steven</li> <li>2)BRAZIER, Geoffrey</li> </ul>
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(21) Application No.1923/KOLNP/2015 A

#### (57) Abstract:

A pressure relief device is disclosed. The pressure relief device may take the form of a butterfly vent, including paired burst panels or blow-out portions that are configured to open in a manner similar to a butterfly flapping its wings. Upon opening, the paired burst panels may contact each other, thereby absorbing kinetic energy. The burst panels may be positioned within a frame or may be formed or cut from a single sheet. A cord may be provided between the burst panels to retain the burst panels and/or ensure that the burst panels open substantially simultaneously. The pressure relief device also may include an activation mechanism to control the opening of the burst panels, one or more hinge members, and/or a braking member.

No. of Pages: 40 No. of Claims: 20

(22) Date of filing of Application :02/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : METHOD FOR DETERMINING THE STATE OF THE TAP OF A METALLURGICAL VESSEL IN PARTICULAR

(51) International classification :F27D1/16,F27D1/00,F27D3/15 (71)Name of Applicant : (31) Priority Document No 1) REFRACTORY INTELLECTUAL PROPERTY GMBH :13163565.8 (32) Priority Date :12/04/2013 & CO. KG (33) Name of priority country Address of Applicant : Wienerbergstrasse 11 A 1100 Wien :EPO (86) International Application No :PCT/EP2014/054473 Austria Filing Date :07/03/2014 (72) Name of Inventor: (87) International Publication No :WO 2014/166678 1)LAMMER Gregor (61) Patent of Addition to 2)JANDL Christoph :NA **Application Number** 3)ZETTL Karl Michael :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

### (57) Abstract:

The invention relates to a method for determining the state of the tap of a vessel (10) containing molten metal in particular. In the process data of the fire resistant lining of the tap (20) such as materials wall thickness type of installation etc. is detected or measured and evaluated. Said data is then collected and stored in a data structure. A calculation model is generated from the data structure on the basis of at least some of the measured or ascertained data or parameters and said data or parameters are evaluated by means of the calculation model using calculations and subsequent analyses. Thus in addition to measurements related or integral ascertaining processes and subsequent analyses can also be carried out for a metallurgical vessel in order to ascertain the current state of the fire resistant lining of the tap of the vessel after the vessel has been used.

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

(19) INDIA

(22) Date of filing of Application :17/06/2015

(21) Application No.1905/KOLNP/2015 A

(43) Publication Date: 29/01/2016

### (54) Title of the invention: COMPOSITE GLASS

(51) International classification	:B32B17/10	(71)Name of Applicant:
(31) Priority Document No	:20 2012 012 285.1	1)SAINT-GOBAIN GLASS FRANCE
(32) Priority Date	:27/12/2012	Address of Applicant :18, avenue d'Alsace, F-92400
(33) Name of priority country	:Germany	Courbevoie France
(86) International Application No	:PCT/CH2013/000228	(72)Name of Inventor:
Filing Date	:19/12/2013	1)SCHWANKHAUS, Norbert
(87) International Publication No	:WO 2014/100905	2)HERMENS, Ulrich
(61) Patent of Addition to Application	:NA	3)GELDERIE, Udo
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a flame-retardant composite glass (1) comprising a plurality of glass panes (2.1-2.3) and a flame-retardant intermediate layer (3) which is arranged between two first glass panes and comprises a flame-retardant material that foams or swells up in the event of a fire, as well as an attack-resistant layer (8) consisting of transparent plastic that is solid at room temperature. The invention is characterised in that the flame-retardant composite glass has, between the first glass panes (2.1 - 2.2), an edge compound (4, 5) extending along and around the edges such that a chamber filled with said flame-retardant material is defined by the first glass panes and this edge compound, and in that between at least one of the first glass panes (2.1 - 2.2) and said flame-retardant material, a primer layer (6) is arranged which consists of a material whose adhesion to the flame-retardant intermediate layer and/or to the glass pane becomes weaker in flame-retardant test conditions than it is in room temperature conditions.

No. of Pages: 13 No. of Claims: 15

(22) Date of filing of Application :02/07/2015 (43) Publication Date : 29/01/2016

### (54) Title of the invention: PERIODIC DISTURBANCE AUTOMATIC SUPPRESSION 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> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:G05B13/02 :2012-267798 :07/12/2012 :Japan :PCT/JP2013/082662 :05/12/2013 :WO 2014/088054 :NA :NA	(71)Name of Applicant:  1)MEIDENSHA CORPORATION Address of Applicant:1-1, Osaki 2-chome, Shinagawa-ku, Tokyo 141-6029 Japan (72)Name of Inventor: 1)Takashi YAMAGUCHI 2)Yugo TADANO
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

When torque ripple is suppressed by using a periodic disturbance observer, the adjustment of a gain portion is determined by a sequence while monitoring an operation state, so that there is a number of adjustment parameters, and whether correction can be achieved or not depends on the skill of the adjustor or designer. A periodic disturbance observer is provided with a model correction means. The model correction means on the assumption that a control command is zero and that the periodic disturbance is constant regardless of time, computes an identification model error by using temporal subtraction based on an output value from the periodic disturbance observer and a detected value from a plant. An identification model is corrected on the basis of the identification model error, and finally torque ripple suppression control is implemented on the basis of a highly accurate periodic disturbance estimated value.

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

(21) Application No.2122/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: METHOD OF PRODUCING A PROTEIN

(51) International classification	:C07K1/14	(71)Name of Applicant:
(31) Priority Document No	:61/758,870	1)GLAXO GROUP LIMITED
(32) Priority Date	:31/01/2013	Address of Applicant :980 Great West Road, Brentford,
(33) Name of priority country	:U.S.A.	Middlesex TW8 9GS U.K.
(86) International Application No	:PCT/EP2014/051705	(72)Name of Inventor:
Filing Date	:29/01/2014	1)CHATEL, Alex
(87) International Publication No	:WO 2014/118220	2)HOARE, Michael
(61) Patent of Addition to Application	:NA	3)KUMPALUME, Peter
Number	:NA	4)MOLEK, Jessica Rachel
Filing Date	.IVA	5)RECK, Jason Michael
(62) Divisional to Application Number	:NA	6)WEBER Andrew David
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a method of producing a recombinant protein by harvesting a microbial cell broth and adding an amount of a flocculant to achieve an effective particle size distribution. The present invention also relates to a method of clarifying a microbial harvest by adding an amount of a flocculant to achieve an effective particle size distribution.

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

(22) Date of filing of Application :02/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: SYSTEMS AND PROCESSES FOR INSERTING AN INTRAOCULAR LENS

<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>	:07/02/2014 :WO 2014/137535 :NA :NA	(71)Name of Applicant:  1)NOVARTIS AG  Address of Applicant: Lichtstrasse 35, CH-4056 Basel Switzerland (72)Name of Inventor:  1)WU, Yinghui
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Various systems and techniques for inserting an intraocular lens are disclosed. In particular implementations, a system and a technique for inserting an intraocular lens may include the ability to move, in response to a force being applied in a first direction along a longitudinal axis, a first plunger tip along the longitudinal axis and into a delivery cartridge to fold an intraocular lens and move in a second direction along the longitudinal axis in response to the applied force being reduced. The system and the technique may also include the ability to engage a second plunger tip and move, in response to a force being applied in the first direction along the longitudinal axis, the second plunger tip along the longitudinal axis and into the delivery cartridge to insert the intraocular lens.

No. of Pages: 27 No. of Claims: 20

(22) Date of filing of Application :24/06/2015 (43) Publication Date : 29/01/2016

### (54) Title of the invention: CARRIER ALLOCATION METHOD USER EQUIPMENT AND BASE 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04W36/00 :NA :NA :NA :PCT/CN2012/086727 :17/12/2012 :WO 2014/094195 :NA :NA :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD.  Address of Applicant: Huawei Administration Building Bantian Longgang Shenzhen Guangdong 518129 China (72)Name of Inventor:  1)SUN Jingyuan  2)XIA Liang 3)ZHOU Yongxing 4)REN Xiaotao
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#### (57) Abstract:

The present invention is suitable for the technical field of wireless communications and provides a carrier allocation method a user equipment and a base station. The method comprises: a first base station acquiring a carrier skip pattern; the first station transmitting carrier configuration information to a user equipment (UE) wherein the carrier configuration information comprises information about starting carrier skip and/or the carrier skip pattern the carrier skip pattern represents a carrier set used by the user equipment over at least one time unit and the carrier set comprises at least one carrier; and the first base station transmitting a signal to the UE and/or receiving a signal sent by the UE according to the carrier skip pattern. According to the present invention a base station can select a carrier serving a UE in a carrier set greater than the carrier quantity simultaneously supported by a user thereby realizing two dimensional dynamic carrier selection of a carrier and a node and self adaptive load balancing realizing the promotion of system performance.

No. of Pages: 91 No. of Claims: 84

(22) Date of filing of Application :25/06/2015 (43) Publication Date : 29/01/2016

### (54) Title of the invention: BRAKE UNIT FOR A VEHICLE AND VEHICLE HAVING SUCH A BRAKE UNIT

<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> <li>Filing Date</li> </ul>	:10 2013 201 630.1 :31/01/2013 :Germany :PCT/EP2014/050258 :09/01/2014 :WO 2014/117972 :NA :NA	(71)Name of Applicant:  1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant: Wittelsbacherplatz 2 80333 München Germany (72)Name of Inventor: 1)SCHIFFERS Toni 2)JENNEK Steffen
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a brake unit (9; 109; 209) for a vehicle, in particular a rail vehicle (1), which can be mounted on running gear (3) of the vehicle and has means (30, 31, 132; 232) for making available a regulated braking force  $(F_B)$  and a passive emergency braking force  $(F_B)$ . In order to permit safe braking by means of the emergency braking force which is made available, even in the case of a fault during the provision of the regulated braking force, there is provision that the means (30, 31, 132; 232) are of suitable design to make available the passive emergency braking force  $(F_N)$  in a load-corrected fashion and have a pressure signal transmitter (50) and a load correction means (45, 46) for correcting the load of the passive emergency braking force  $(F_N)$ , wherein the load correcting means (45, 56) are of suitable design for setting a preload pressure (pN) of the pressure signal transmitter (50) as a function of electrical output signals (AS4, AS5) of a fallback device (37) to a load-corrected setpoint value  $(S.p_N)$ . The invention also relates to a vehicle (1) with such a brake unit (9; 109; 209).

No. of Pages: 40 No. of Claims: 10

(22) Date of filing of Application :25/06/2015 (43)

(43) Publication Date: 29/01/2016

# (54) Title of the invention : END MILL HAVING AN ASYMMETRIC INDEX ANGLE ARRANGEMENT FOR MACHINING TITANIUM

<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>	:B23C5/10 :13/766383 :13/02/2013 :U.S.A.	(71)Name of Applicant:  1)ISCAR LTD.  Address of Applicant: P.O. Box 11 24959 Tefen Israel (72)Name of Inventor:
(86) International Application No Filing Date	:PCT/IL2014/050058 :16/01/2014	1)BUDDA Eliyahu 2)KHINA Alexander
<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>	:WO 2014/125473 :NA :NA :NA :NA	3)ZEHAVI Gabby

#### (57) Abstract:

An end mill (10) for machining titanium includes a cutting portion (14) having blunt teeth alternated with flutes (22). Each flute (22) includes, in order from the cutting edge (30), a rake surface (28), a concavely shaped bending portion (38), a convexly shaped ejecting portion (36) and a tooth relief edge (32). The convexly shaped ejecting portion (36) has an ejection height E, which is measurable between an apex of the ejecting portion (36) to an imaginary straight line extending from a nadir of the adjacent bending portion (36) of the flute (22) to the adjacent tooth relief edge (32). In a plane perpendicular to a rotation axis (AR) of the end mill (10), the ejection height E and a cutting portion diameter  $D_E$ , fulfill the condition  $0.01 \ OD_E < E < 0.031 \ D_E$ .

No. of Pages: 29 No. of Claims: 27

(22) Date of filing of Application :03/07/2015 (43) Publication Date: 29/01/2016

### (54) Title of the invention: SINGLE SIDED SQUARE SHAPED INDEXABLE CUTTING INSERT AND CUTTING TOOL

(51) International :B23B27/14,B23B27/16,B23B29/06 classification

(31) Priority Document No :13/767626

:14/02/2013 (32) Priority Date (33) Name of priority country: U.S.A.

(86) International Application :PCT/IL2014/050095

:28/01/2014

Filing Date

(87) International Publication :WO 2014/125475

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant:

1)ISCAR LTD.

Address of Applicant :P.O. Box 11 24959 Tefen Israel

(72)Name of Inventor:

1)HECHT Gil 2)HEN Daniel

(57) Abstract:

Cutting tool (20) comprises a tool holder (22) having a main body (24) with an insert receiving pocket (26) formed in a front end (28) thereof, and a single-sided square-shaped indexable cutting insert (30) removably secured in the insert receiving pocket (26); the insert receiving pocket (26) comprising: a seating surface (60) having a floor surface (62) with a single engagement groove (64) recessed therein and two separate support pads (66) protruding therefrom; the engagement groove (64) including a pair of parallely extending groove flank surfaces (68) forming a V-shaped cross-section, and each of the two support pads (66) having a raised support surface (70), wherein the two support surfaces (70) are coplanar, and the cutting insert (30) comprising: opposing square-shaped upper and lower surfaces (32, 34) and a peripheral side surface (36). extending therebetween, the peripheral side surface (36) having four corner surfaces (40) alternating with four relief surfaces (42); a central axis (Al) passing through the upper and lower surfaces (32, 34), about which central axis the cutting insert (30) is indexable; and a corner cutting edge (44) formed at the intersection of the upper surface (32) with each of the four corner surfaces (40), the lower surface (34) including a base surface (46) and having exactly four engagement ridges (50) protruding from the base surface (46), wherein each engagement ridge (50) includes a pair of parallely extending ridge flank surfaces (54) forming a V-shaped cross-section, and each engagement ridge (50) intersects one of the four comer surfaces (40) and extends therefrom towards the central axis (Al), wherein the lower surface (34) of the cutting insert (30) is clamped against the seating surface (60) of the insert receiving pocket (26) solely by: the pair of ridge flank surfaces (54) of the engagement ridge (50) located closest to the operative corner cutting edge (44) making contact with the corresponding pair of groove flank surfaces (68) in the single engagement groove (64); and the base surface (46) making contact with the two raised support surfaces (70) at two bearing zones (72) entirely located further from the operative corner cutting edge (44) than the central axis (Al).

No. of Pages: 24 No. of Claims: 26

(21) Application No.1929/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :18/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: ALUMINA-MAGNESIA PRODUCT FOR GASIFIER OR FOR METALLURGICAL FURNACE

<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>	:12 62349 :19/12/2012 :France :PCT/IB2013/061155 :19/12/2013 :WO 2014/097219 :NA :NA	(71)Name of Applicant:  1)SAINT-GOBAIN CENTRE DE RECHERCHES ET D'ETUDES EUROPEEN  Address of Applicant: 18 avenue d'Alsace Les Miroirs, F- 92400 Courbevoie France (72)Name of Inventor:  1)JORGE, Eric 2)FRANCY, Olivier
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to a melted and cast refractory product having a chemical composition such that, in mass percentages on the basis of the oxides:  $AI_2O_3$ : complement up to 100%; MgO: 26% to 45%;  $ZrO_2: 0.5\%$  to 10.0%;  $B_2O_3: <1.5\%$ ;  $SiO_2: \le 0.5\%$ ;  $Na_2O+K_2O: \le 0.3\%$ ;  $CaO: \le 1.0\%$ ;  $Fe_2O_3+TiO_2: <0.55\%$ ; other oxide species: <1,0%. In said product, the elementary mass ratio R of the zirconium content to the total boron, fluorine and silicon content is between 2 and 80.

No. of Pages: 18 No. of Claims: 19

(21) Application No.2020/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :25/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : METHOD AND DEVICE BY WHICH AQUEOUS POLYMER-CONTAINING BIOCIDES ARE ATOMIZED BY MEANS OF ULTRASOUND TECHNOLOGY INTO A ROOM

(51) International classification :A61L2/22,A61L9/14,B05B17/06 (71)Name of Applicant: (31) Priority Document No 1)RAUCHENSCHWANDTNER, Harald :A1306/2012 (32) Priority Date :18/12/2012 Address of Applicant: Fischhamering 16, A-4851 Gampern (33) Name of priority country :Austria (AT) Austria (86) International Application (72) Name of Inventor: :PCT/AT2013/050245 1) RAUCHENSCHWANDTNER, Harald :11/12/2013 Filing Date 2) GEHMAIR, Reinhard (87) International Publication :WO 2014/094019 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

### (57) Abstract:

For the disinfection of a room a method and a device are proposed by which aqueous biocides with polymer containing active substances are discharged in the form of mist with a mean particle size of less than  $10 \mu m$  into a room by means of ultrasound technology. To be able to discharge the mist gently into the room in a way that saves energy it is proposed that the aqueous polymer containing biocide is firstly atomized on an ultrasound membrane after which the atomized aqueous polymer containing biocide is discharged into the room by at least one fan with air as carrier medium.

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

(21) Application No.2021/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :25/06/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: HIGH WET FAST DISPERSE DYE MIXTURES

(31) Priority Document No :13000169.6 (32) Priority Date :14/01/2013 (33) Name of priority country :EPO (86) International Application :PCT/EP2014/050069

:06/01/2014 Filing Date

(87) International Publication :WO 2014/108358

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(51) International classification :C09B67/22,D06P3/60,D06P1/18 (71)Name of Applicant:

1) DYSTAR COLOURS DISTRIBUTION GMBH

Address of Applicant : Am Prime Parc 10 12 65479 Raunheim

Germany

(72)Name of Inventor: 1)VERMANDEL Fanny 2)MURGATROYD Adrian 3) GRUND Clemens

4)HOPPE Manfred 5)WEINGARTEN Ulrich

(57) Abstract:

Dye mixtures based ondye(s) of formula (1) and dyes(s) of formula (2) formula (3) formula (4) formula (5a) and/or formula (5b).

No. of Pages: 64 No. of Claims: 28

(22) Date of filing of Application :25/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: FIRE PROTECTION PANEL AND FIRE PROTECTION GLAZING

(51) International classification	:B32B17/10	(71)Name of Applicant:
(31) Priority Document No	:12195844.1	1)SAINT-GOBAIN GLASS FRANCE
(32) Priority Date	:06/12/2012	Address of Applicant :18, avenue d'Alsace, F-92400
(33) Name of priority country	:EPO	Courbevoie France
(86) International Application No	:PCT/EP2013/073700	(72)Name of Inventor :
Filing Date	:13/11/2013	1)RENIER, Anais
(87) International Publication No	:WO 2014/086561	2)LETOCART, Philippe
(61) Patent of Addition to Application	:NA	3)KASPER, Andreas
Number	:NA	4)GELDERIE, Udo
Filing Date	.IVA	5)SCHWANKHAUS, Norbert
(62) Divisional to Application Number	:NA	6)BILLERT, Ulrich
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a fire protection panel (10) comprising: at least one float glass panel (1.1) having a tin bath side (II) at least one protective layer (3.1) that is arranged on the tine bath side (II) in a planar manner and at least one fire protection layer (2.1) that is arranged on the protective layer (3.1) in a planar manner wherein the protective layer (3.1) comprises metal oxide metal nitrite metal silicide and/or mixtures or layered compounds thereof.

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

(22) Date of filing of Application :03/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : DRIVE CONTROL METHOD AND DRIVE SYSTEM OPERATING ACCORDING TO SAID METHOD

(51) International classification :B02C15/00,B02C25/00 (71)Name of Applicant : (31) Priority Document No 1)SIEMENS AKTIENGESELLSCHAFT :10 2013 200 578.4 (32) Priority Date Address of Applicant: Wittelsbacherplatz 2 80333 München :16/01/2013 (33) Name of priority country Germany :Germany (86) International Application No :PCT/EP2014/050676 (72) Name of Inventor: Filing Date :15/01/2014 1)KUBE Andreas (87) International Publication No :WO 2014/111410 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The invention relates to a drive control method for a vertical mill (10) having a grinding plate (12) that can be rotated about the vertical axis said grinding plate (12) being drivable by means of a drive train that comprises an electric motor (14) and a gearing (16). At least the electric motor (14) and the grinding plate (12) represent inertia elements in a system that can oscillate and are connected by means of the gearing (16) that functions as a torsion spring element a rotational speed variation affecting at least one of the inertia elements. The electric motor (14) is governed by a controller (32) that minimizes the detected rotational speed variation the controller (32) for governing the electric motor (14) being parameterized such that upon sinusoidal excitation any resulting maximum reaction torques in the gearing (16) are reduced.

No. of Pages: 26 No. of Claims: 9

(22) Date of filing of Application :03/07/2015 (43) Publication Date: 29/01/2016

### (54) Title of the invention: METHOD FOR MANUFACTURING NEURAMINIC ACID DERIVATIVES

:3530/KOLNP/2009

:09/10/2009

(51) International classification :C07D 309/28 (71) Name of Applicant: (31) Priority Document No 1) DAIICHI SANKYO COMPANY LIMITED, :2007-103585 (32) Priority Date :11/04/2007 Address of Applicant: 3-5-1, NIHONBASHI HONCHO, (33) Name of priority country CHUO-KU, TOKYO 103-8426, Japan :Japan (86) International Application No :PCT/JP2008/057557 (72)Name of Inventor : :11/04/2008 1)NAKAMURA, YOSHITAKA Filing Date (87) International Publication No :WO 2008/126943 2)MURAKAMI, MASAYUKI (61) Patent of Addition to Application 3)YAMAOKA MAKOTO :NA Number 4)WAKAYAMA, MASAKAZU :NA Filing Date 5) UMEO KAZUHIRO (62) Divisional to Application Number

#### (57) Abstract:

Filed on

A method for manufacturing neuraminic acid derivatives is provided, also synthetic intermediates of the neuraminic acid derivatives and methods for their manufacture, and neuraminic acid derivatives having high purity. [Means for solution] A synthetic intermediate compound represented by the formula (7) is provided: [wherein R3 represents alkyl; R4 and R5 each represents H, alkyl, phenyl, or together represent tetramethylene, pentamethylene, oxo].

No. of Pages: 88 No. of Claims: 2

(22) Date of filing of Application :03/07/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: GROUP OF GLYCOSYLTRANSFERASES AND USE THEREOF

(51) International classification: C12N9/10,C12N15/54,C12P19/18 (71) Name of Applicant:

:06/12/2013

(31) Priority Document No :201210520787.5 (32) Priority Date :06/12/2012

(33) Name of priority country :China

(86) International Application :PCT/CN2013/088819 No

Filing Date

(87) International Publication :WO 2014/086317

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract:

1) SHANGHAI INSTITUTES FOR BIOLOGICAL SCIENCES CHINESE ACADEMY OF SCIENCES

Address of Applicant :319 Yueyang Road Xuhui District

Shanghai 200031 China (72) Name of Inventor:

1)ZHOU Zhihua 2)YAN Xing 3)FAN Yun

4)WANG Pingping 5)WEI Yongjun 6)WEI Wei 7) ZHANG Jun

Provided are the use of glycosyltransferases gGT25, gGT13, gGT30, gGT25-1, gGT25-3, gGT25-5, gGT29, gGT29-3, gGT29-4, gGT29-5, gGT29-6, gGT29-7, 3GT1, 3GT2, 3GT3, 3GT4 and derived polypeptides therefrom in the catalyzed glycosylation of terpenoid compounds and the synthesis of new saponins, wherein the glycosyltransferases can specifically and efficiently catalyze tetracyclic triterpenoid compound substrates at positions C-20 and/or C-6 and/or C-3 during hydroxyl glycosylation, and/or transfer the glycosyl from a glycosyl donor to the first glycosyl of the tetracyclic triterpenoid compounds at position C-3, so as to extend the sugar chain. The glycosyltransferases can also be used for constructing man-made synthetic rare ginsenosides and a variety of new ginsenosides and derivatives thereof.

No. of Pages: 186 No. of Claims: 12

(21) Application No.2145/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/07/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: HAND-HELD SHOWER HOLDING DEVICE

(51) International classification (31) Priority Document No (20 2013 002 280.9 (32) Priority Date : 11/03/2013 (71) Name of Applicant : (71) Name

(33) Name of priority country : Germany Germany (86) International Application No :PCT/EP2014/000610 (72) Name of Inventor :

Filing Date :10/03/2014 1)HAV (87) International Publication No :WO 2014/139661

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to Application
Number
:NA
:NA
:NA

1)HAUTH, Matthias

#### (57) Abstract:

Filing Date

The invention relates to a hand-held shower holding device, comprising a hand-held shower holder (21), in which a hand-held shower (5) can be deposited. The hand-held shower holding device according to the invention is characterised in that the hand-held shower holding device has a switching element (1) having an actuating arm (18) intended for actuating the switching element (1), which actuating arm bears the hand-held shower holder (21) at a first end (19) of the arm and can be pivoted under the load of a hand-held shower (5) deposited in the hand-held shower holder (21) from a first actuation position into a second actuation position .

No. of Pages: 57 No. of Claims: 21

(22) Date of filing of Application :03/07/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: METHODS AND MATERIALS FOR BIOSYNTHESIS OF MOGROSIDE COMPOUNDS

(31) Priority Document No (32) Priority Date	:C12P19/18,C12P19/56,C12N9/02 :61/733,220 :04/12/2012	1)EVOLVA SA Address of Applicant :Duggingerstrasse 23, CH-4153 Reinach
<ul><li>(33) Name of priority country</li><li>(86) International Application</li></ul>	:U.S.A. :PCT/EP2013/075510	Switzerland (72)Name of Inventor:
No Filing Date	:04/12/2013	1)LIU, Yaoquan 2)HANSEN, Jørgen
(87) International Publication No	:WO 2014/086842	3)HOUGHTON-LARSEN, Jens 4)MURALI, Muthuswamy Panchapagesa
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA	5)KUMAR, Sathish 6)RASMUSSEN, Nina, Nicoline
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The invention relates to methods for producing mogrosides with the aid of enzymes. In particular the invention proposes various biosynthetic pathways useful for mogroside production and enzymes useful for mogroside production are provided. Furthermore, the invention provides recombinant hosts useful in performing the methods of the invention.

No. of Pages: 96 No. of Claims: 26

(21) Application No.2147/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/07/2015 (43) Publication Date : 29/01/2016

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

(51) International classification :B30B11/18,B01J2/22,B (31) Priority Document No :2013-018574 (32) Priority Date :01/02/2013

(33) Name of priority country :Japan

(86) International Application

No Filing Date

:PCT/JP2013/072699 :26/08/2013

(87) International Publication No: WO 2014/119032

(61) Patent of Addition to Application Number :NA Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date

:B30B11/18,B01J2/22,B30B3/00 (71)**Name of Applicant :** :2013-018574 **1)SINTOKOGIO, LTD.** 

Address of Applicant:11-11, Nishiki 1-chome, Naka-ku,

Nagoya-shi, Aichi 4600003 Japan

(72)Name of Inventor:

1)FUJIO, Ryo

## (57) Abstract:

The briquetting machine (10) that secures reliability while maintaining airtightness of the granulation space is provided with movable side sealing members (50) between a cover (36) and a movable side bearing block (24). The movable side sealing member (50) is configured to be capable of following the movements of the movable side bearing block (24). Therefore, when the movable side bearing block (24) moves relative to the cover (36), the connection between the cover (36) and the movable side bearing block (24) by the movable side sealing member (50) is maintained while the movable side sealing members (50) follow the movements of the movable side bearing block (24). As a result, the airtightness of the granulation space (38) is secured. Moreover, the movable side bearing block (24) is disposed outside of the granulation space (38). Therefore, it is possible to limit the occurrence of uneven wear of the sliding portion of the movable side bearing block (24) is limited.

No. of Pages: 25 No. of Claims: 7

(21) Application No.2148/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/07/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: SYSTEMS AND METHODS FOR OCULAR SURGERY

<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>	:F04B43/12 :61/792,659 :15/03/2013 :U.S.A. :PCT/US2014/027271 :14/03/2014 :WO 2014/152376 :NA :NA	(71)Name of Applicant:  1)NOVARTIS AG Address of Applicant: Lichtstrasse 35, CH-4056 Basel Switzerland (72)Name of Inventor: 1)BOURNE, John Morgan 2)SUSSMAN, Glenn Robert
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Ocular surgery may be performed by a variety of systems, processes, and techniques. In certain implementations, a system and a process for ocular surgery may include the ability to draw ocular fluid into a channel of a hand-held pump system and separate the fluid into multiple compressible channels to create multiple flows. The system and the process may also include the ability to peristaltically pump the fluid through the compressible channels.

No. of Pages: 28 No. of Claims: 17

(21) Application No.2028/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :25/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: BEARING HOUSING

(51) International classification	:F16C3/00,B63H5/14	(71)Name of Applicant:
(31) Priority Document No	:61/738,257	1)RIDE THE DUCKS INTERNATIONAL, LLC
(32) Priority Date	:17/12/2012	Address of Applicant: 1380 W. Paces Ferry Road NE, Suite
(33) Name of priority country	:U.S.A.	1210 Atlanta, GA 30327-2463 U.S.A.
(86) International Application No	:PCT/US2013/075778	(72)Name of Inventor:
Filing Date	:17/12/2013	1)DECKARD, Brian
(87) International Publication No	:WO 2014/099988	2)ENGLISH, Frank
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A system for providing sealed shaft bearing is disclosed. The system can include housing and one or more end caps. The end caps can house one or more seals and one or more bearings for supporting a shaft. The housing can be watertight to prevent water from infiltrating the housing and to prevent lubricant if any from escaping the housing into the environment. The system can use a multi piece design to facilitate repair and maintenance. The system can be easily retrofitted into systems such as marine systems that use conventional plain shaft bearings.

No. of Pages: 27 No. of Claims: 18

(22) Date of filing of Application :25/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: METHOD AND DEVICE FOR NETWORK SELECTION FROM SHARED 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> <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 Filing Date</li> </ul>	:H04W48/18 :NA :NA :NA :PCT/CN2012/087917 :28/12/2012 :WO 2014/101142 :NA :NA :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD.  Address of Applicant: Huawei Administration Building Bantian Longgang District Shenzhen Guangdong 518129 China (72)Name of Inventor:  1)SHU Lin  2)ZHAO Yang  3)DAI Mingzeng  4)CHEN Dong
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#### (57) Abstract:

The present invention relates to the field of communications. Provided in an embodiment of the present invention are a method and device for network selection from shared networks realizing network selection when a UE accesses a shared cell. The method comprises: a UE receives a network selection instruction; and the UE selects a target network according to the network selection instruction. The embodiment of the present invention is used to select a network from shared networks.

No. of Pages: 79 No. of Claims: 30

(22) Date of filing of Application :03/07/2015

(43) Publication Date: 29/01/2016

# (54) Title of the invention : SYSTEM AND METHOD FOR MEASURING AND CORRECTING ULTRASOUND PHASE DISTORTIONS INDUCED BY ABERRATING MEDIA

<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>	:A61B8/00 :61/771,992 :04/03/2013 :U.S.A. :PCT/US2014/020279 :04/03/2014 :WO 2014/138050	(71)Name of Applicant:  1)SUNNYBROOK HEALTH SCIENCES CENTRE Address of Applicant: 2075 Bayview Avenue, Toronto, ON M4N 3M5 Canada (72)Name of Inventor: 1)HYNYNEN, Kullervo, Henrik 2)O'REILLY, Meaghan, Anne
(61) Patent of Addition to Application Number	:NA :NA	
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A system and method for efficiently transmitting and receiving focused ultrasound through a medium, such as bone, is provided. The focal region of the focused ultrasound is iteratively updated to provide an improved focus through the medium. This method may be carried out using a transducer assembly that includes two or more transmit arrays each operating at a different frequency. An initial focus is set and updated by delivering focused ultrasound with a lower frequency transmit array. The phase corrections determined in the first iteration are applied to subsequently higher frequency transmit arrays and received signals, and the process repeated until a desired focus or image resolution is achieved.

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

(22) Date of filing of Application :03/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : METHODS AND APPARATUS FOR ROUTING COMMUNICATIONS USING SLOTTED RESOURCES OF RADIO ACCESS MESH NETWORKS

(51) International classification	:H04W72/04,H04W40/02	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
(32) Priority Date	:NA	Address of Applicant :SE 164 83 Stockholm Sweden
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:PCT/SE2012/051371	1)AXNÄS Johan
Filing Date	:10/12/2012	2)HUI Dennis
(87) International Publication No	:WO 2014/092613	3)BALACHANDRAN Kumar
(61) Patent of Addition to Application	.NI A	4)BALDEMAIR Robert
Number	:NA	5)TULLBERG Hugo
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Methods and network nodes (700-720) route communications between pairs of source and destination nodes through network nodes (700-720) of a wireless communication system. One resource slot of a wireless communication link is selected (1200) between each of a sequence of the network nodes (700-720) along a communication route between one pair of the source and destination nodes. Another resource slot of the wireless communication link is selected (1202) between at least some of the sequence of the network nodes (700-720) along the communication route between the one pair of the source and destination nodes. Selection of the other resource slot between each of the sequence of the network nodes along the communication route between the one pair of the source and destination nodes.

No. of Pages: 45 No. of Claims: 26

(22) Date of filing of Application :03/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : SYSTEMS AND METHODS FOR SENSING WEAR OF REDUCING ELEMENTS OF A MATERIAL REDUCING MACHINE

(51) International classification :E02F3/18,E02F9/26,E02F9/28 (71)Name of Applicant : (31) Priority Document No 1) VERMEER MANUFACTURING COMPANY :61/736303 (32) Priority Date :12/12/2012 Address of Applicant: 1210 Vermeer Road East Pella IA (33) Name of priority country 50219 0200 U.S.A. :U.S.A. (86) International Application No :PCT/US2013/074672 (72) Name of Inventor: Filing Date 1)STOCK Joseph D. :12/12/2013 (87) International Publication No :WO 2014/093625 2) HARTWICK Ty (61) Patent of Addition to 3)FRANZ Robert D. :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

## (57) Abstract:

The present disclosure relates generally to systems and methods for sensing wear in machines designed to reduce or break down material. More particularly the present disclosure relates to systems and methods for sensing wear of reducing elements used by excavation machines such as surface excavation machines. The present disclosure relates to a wear sensing system including a multilevel wear sensor protection system. The multi level wear sensor protection system includes a first level of protection a second level of protection and a third level of protection.

No. of Pages: 71 No. of Claims: 36

(22) Date of filing of Application :26/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : A SYSTEM AND METHOD FOR PICKLING AND A METHOD OF MANUFACTURING STEEL 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 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>	:61/737126 :14/12/2012 :U.S.A.	(71)Name of Applicant:  1)TITAN METAL FABRICATORS  Address of Applicant: 352 Balboa Circle Camarillo California 93012 U.S.A. (72)Name of Inventor:  1)UKOLOWICZ Thomas F.  2)MUSCARELLA Steven F.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A component for a steel pickling apparatus is formed from an alloy that predominately comprises niobium and tantalum. The component may be a heat exchanger component, such as a tube or tubesheet liner, formed from the alloy that predominately comprises niobium and tantalum. Also, disclosed is a heat exchanger including the component, a system and method for pickling using the heat exchanger, and a method of manufacturing a steel product including the method of pickling.

No. of Pages: 33 No. of Claims: 18

(21) Application No.2038/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/06/2015

(43) Publication Date: 29/01/2016

## (54) Title of the invention: NOVEL PEPTIDES FOR TREATING AND PREVENTING INFECTION BY MODULATING INNATE **IMMUNITY**

(51) International classification :C12N 15/11 (31) Priority Document No :60/722962 (32) Priority Date :04/10/2005 (33) Name of priority country :U.S.A. (86) International Application No :PCT/CA2006/001650 (72)Name of Inventor : Filing Date :04/10/2006

(87) International Publication No :WO/2007/038876

(61) Patent of Addition to Application :NA Number :NA Filing Date

(62) Divisional to Application Number :1783/KOLNP/2008 Filed on :02/05/2008

(71)Name of Applicant: 1)SOLIGENIX, INC

Address of Applicant: 29 EMMONS DRIVE, SUITE C-10,

PRINCETON, NJ 08540 U.S.A.

1)OREOLA, DONINI 2) ROZEK, ANNETT

3)LENTZ, SHANNON WAYNE

#### (57) Abstract:

An isolated peptide consisting essentially of the amino acid sequence of anyone of SEQ ID NOs 6,8,9,11-17,19,20,21,25,26,28,30,36-44,46,47,49,52. 53 and 55-60 or an analogue, derivative, or functional variant thereof, or obvious chemical equivalent thereof, or a pharmaceutically acceptable salt thereof. The present invention also relates to a recombinant nucleic acid construct, a host cell, and a pharmaceutical composition using the same and a method for producing said peptide.

No. of Pages: 66 No. of Claims: 18

(22) Date of filing of Application :26/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: METHOD AND POLL CONTROL ENTITY FOR CONTROLLING A POLLING PROCEDURE

<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 Filing Date</li> </ul>	:H04W74/06 :NA :NA :NA :NA :PCT/SE2012/051335 :03/12/2012 :WO 2014/088477 :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) Address of Applicant: S 164 83 Stockholm Sweden (72)Name of Inventor: 1)BERGQUIST Gunnar 2)SHAH Samir
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#### (57) Abstract:

A method and poll control entity (300) for controlling a polling procedure in a radio communication where a data transmitting node (302) transmits data (3:1) to a data receiving node (304) and sends polls to the data receiving node according to a default polling frequency. The polls require the data receiving node to send feedback (3:2) to the data transmitting node indicating whether said data has been received and decoded by the data receiving node or not. The poll control entity detects (3:3a-c) a trigger of the radio communication indicating a deviation of a feedback time which is a time period between a time of sending the poll and a time of receiving the feedback from an expected feedback time range. The poll control entity then adjusts (3:4) the polling frequency based on the detected trigger such that the deviation of the feedback time is reduced, and enforces (3:5) the adjusted polling frequency at the data transmitting node. In this way, the polling frequency can be dynamically and individually adapted to the current situation of traffic load and/or radio conditions which may influence the resulting feedback time in the radio communication, to achieve efficient communication of data and good throughput.

No. of Pages: 35 No. of Claims: 24

(21) Application No.2155/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/07/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: A SERVICE DUCT AND SPACER SYSTEM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:E04C1/39,E04F17/08,H02G3/00 :NA :NA	(71)Name of Applicant:  1)LIFTING POINT PTY LTD  Address of Applicant:81 Henry St Penrith New South Wales
(33) Name of priority country	:NA	2750 Australia
(86) International Application No Filing Date	:PCT/AU2012/001509 :11/12/2012	(72)Name of Inventor : 1)MULLANEY Nicholas Bruce
(87) International Publication No	:WO 2014/089596	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A service duct and spacer (10) for use in the service duct and spacer system of the invention. The service duct and spacer (10) has an extruded elongate body portion (10) having a first panel engaging portion (11) spaced apart from a second panel engaging portion (13) whereby a mid-portion (12) is situated between the first and second panel engaging portions (11, 12). The mid portion is hollow and defines an interior space (124) by way of sidewalls (121, 122) and bases (113, 133). Service utilities are able to be located within the interior space (124). Side wall (121) is able to be removed (see figure 3) in order to gain access into the interior space (124) so that the service utilities can be maintained, introduced and/or removed from the body portion (10). Each panel engaging portion (11), (13) consists of a base (113, 133) and two spaced apart legs (111, 112 & 131, 132) extending away from the base (113, 133) so as to define an wall engaging area (114, 134) for accommodating and supporting a portion of a wall panel (20, 30) (as is shown in figures 2 and 3).

No. of Pages: 48 No. of Claims: 22

(21) Application No.1945/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :19/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: CAPSULE FOR BEVERAGES

(51) International classification	:B65D85/804	(71)Name of Applicant:
(31) Priority Document No	:MO2012A000327	1)SARONG SOCIETA ' PER AZIONI
(32) Priority Date	:27/12/2012	Address of Applicant :Via Colombo 18, I-42046 Reggiolo
(33) Name of priority country	:Italy	(Reggio Emilia) ITALY
(86) International Application No	:PCT/IB2013/061267	(72)Name of Inventor:
Filing Date	:23/12/2013	1)BARTOLI, Andrea
(87) International Publication No	:WO 2014/102702	2)CAPITINI, Davide
(61) Patent of Addition to Application	:NA	3)GRILLENZONI, Alessandro
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A capsule, comprises: - a casing (2) provided with a base wall (3) and with a side wall (4) defining a cavity (5) suitable for containing an initial product (P) to be joined to a fluid (F) for making a final product (B); - a nozzle (7; 70) associated with the casing (2) and comprising a longitudinal side wall (10; 80) and a first end (8; 78) provided with a first opening (13; 73) suitable to engage fluid injecting means of a brewing machine, said longitudinal side wall (10; 80) being provided with at least one outflow opening (11; 71) connected to the first opening (13; 73) through a first duct (14; 74) for dispensing said fluid (F) in the cavity (5) in a injecting step (J); - a mixing element (20) rotatably coupled with the nozzle (7; 70) at the outflow opening (11; 71) and shaped in such a manner as to divert at least one jet (L) of fluid (F) coming from the outflow opening (11; 71) and be rotated by said jet (L) around said nozzle (7; 70) so as to create inside said cavity (5) a vortex flow of fluid and product.

No. of Pages: 36 No. of Claims: 37

(22) Date of filing of Application :26/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: CONTENT MANIPULATION USING SWIPE GESTURE RECOGNITION TECHNOLOGY

<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 Filing Date</li> </ul>	:G06F3/041 :61/730,899 :28/11/2012 :U.S.A. :PCT/US2013/072186 :27/11/2013 :WO 2014/085555 :NA :NA	(71)Name of Applicant:  1)SOMO AUDIENCE CORP.  Address of Applicant: P.O. Box 1528, Livingston, NJ 07039  UNITED STATES OF AMERICA (72)Name of Inventor:  1)MANOFF, Robert, S.  2)HOUCK, Todd 3)SQUIRE, Jesse, D. 4)SHAY, Caleb, K.
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#### (57) Abstract:

A method of manipulation of content provided by a hosting server using swipe gesture recognition on a user device having a touch input display. The method includes storing the content, combined with a swipe gesture recognition module to form a content package, on the hosting server. The swipe gesture recognition module is associated with at least one displayable content element of the content. The method further includes receiving, at the hosting server, a request for the content package from the user device and transmitting the content package from the hosting server to the user device for display by an application running on the user device. A defined action is applied to the at least one displayable content element if it is determined that a swipe gesture has occurred on the at least one displayable content element.

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

(21) Application No.2048/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : METHOD FOR SELECTING WORKING REMOTE RADIO UNIT FOR USER EQUIPMENT AND BASE 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:201210584008.8 :28/12/2012 :China	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD. Address of Applicant: Huawei Administration Building Bantian Longgang Shenzhen Guangdong 518129 China (72)Name of Inventor: 1)WANG Bo 2)LI Li 3)DAI Xitao 4)WU Lihua
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#### (57) Abstract:

The present invention provides a method for selecting a working remote radio unit (RRU) for user equipment. By comparing isolation of a current working RRU set of the user equipment with a preset isolation threshold, resource utilization and signal interference can be effectively balanced and the working remote radio unit of the user equipment can be accurately determined.

No. of Pages: 52 No. of Claims: 16

(22) Date of filing of Application :26/06/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: REDUCED LATENCY SERVER-MEDIATED AUDIO-VIDEO COMMUNICATION

(51) International :H04M3/53,H04M3/537,H04L12/58 classification

(31) Priority Document No :1223468.8

(32) Priority Date :28/12/2012

(33) Name of priority country: U.K.

(86) International Application: PCT/IB2013/061311

:24/12/2013 Filing Date

(87) International Publication :WO 2014/102720

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date

(62) Divisional to Application:NA Number :NA

Filing Date

(71)Name of Applicant: 1)GLIDE TALK LTD.

Address of Applicant: Malcha Technology Park, Building 1B,

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(72) Name of Inventor: 1) CARAS, Jonathan 2)KORBL, Adam 3)SUKENIK, Yosef

5)HERTZ, Liron M.

4)GINAT, Roi

## (57) Abstract:

Video communications between multiple computer systems configured to transmit and receive video content. A client transmitter is enabled to transmit a video message for display on the client recipient. The client transmitter is configured to transmit or record the video message to the video server. The video message is archived by the video server. When the client recipient is unavailable during the beginning of the transmission of the video message and when the client recipient is available later during the transmission of the video message, the client recipient is enabled to display the video message from the beginning of the video message while the transmission of the video message is still ongoing.

No. of Pages: 39 No. of Claims: 22

(22) Date of filing of Application :06/07/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: MACHINE AND MANUFACTURING METHOD FOR BUILDING BOARD

(51) International classification :E04C2/26,B30B3/02,B32B37/22 (71) Name of Applicant: (31) Priority Document No :13500855 1)ONEDAY WALL AB (32) Priority Date :28/01/2013 Address of Applicant :Forskarvägen 1 S Örebro 702 18 (33) Name of priority country :Sweden Sweden (86) International Application (72)Name of Inventor: :PCT/SE2013/051409 No 1)LINDBERG Peter :28/11/2013 Filing Date (87) International Publication :WO 2014/116157 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

A building board is finished in a first processing station (A) via laterally operating processing means (131A, 132A, 132B), wherein a first edge strip (121) is glued along a first edge side of body element (120) of the building board. In a second processing station (B) a primary surface layer (140) is glued, by vertically operating processing means (141 B, 151 B, 152BC, 148B), to cover the entire primary main side and the primary side of the first edge stripe (121). Thereafter, a vertical pressure is applied over the body element (120) and the first edge stripe (121) across a working direction (F) while the body element (120) and the first edge stripe (121) pass the second processing station (B) in such a manner that a primary side of the first edge stripe (121) is brought in level with a primary main side of the body element (120) when passing the second processing station (B).

No. of Pages: 30 No. of Claims: 19

(21) Application No.2040/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/06/2015 (43) Publication Date: 29/01/2016

#### (54) Title of the invention: A SPECTRALLY SELECTIVE PANEL

:E06B3/66,E06B3/67,G02B5/20 (71)Name of Applicant : (51) International classification

(31) Priority Document No :2012905254 (32) Priority Date :03/12/2012

(33) Name of priority country :Australia

(86) International Application No :PCT/AU2013/001401 Filing Date :03/12/2013

(87) International Publication No: WO 2014/085853

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)TROPIGLAS TECHNOLOGIES LTD

Address of Applicant :27 Dryden Street Yokine Western 6060

Australia

(72) Name of Inventor: 1)VASILIEV Mikhail

2)ALAMEH Kamal

3)ROSENBERG Victor

#### (57) Abstract:

The present disclosure provides a spectrally selective panel that is at least partially transmissive for radiation having a wavelength within the visible wavelengths range. The panel has a receiving surface for receiving incident radiation and comprises at least one reflective component that is arranged to reflect a portion of received incident radiation that penetrated through a depth portion of the panel to the reflective component. The at least one reflective component may comprise a series of reflective portions that are inclined relative to the receiving surface such that at least a portion of the reflected radiation is re-directed within and along the panel. Certain embodiments comprise means to redirect internally reflected light for illuminating a room or region.

No. of Pages: 32 No. of Claims: 22

(22) Date of filing of Application :26/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: SENSOR MODULE AND METHOD OF USING A SENSOR MODULE

:A61B5/151,A61B5/157 (71)Name of Applicant : (51) International classification (31) Priority Document No :61/732783 1)PEPEX BIOMEDICAL INC. (32) Priority Date Address of Applicant: 13695 Trail North St. Louis MO 63045 :03/12/2012 (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2013/072846 (72) Name of Inventor: Filing Date :03/12/2013 1)SAY James L. (87) International Publication No :WO 2014/089058 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

A sensor module is disclosed herein. The sensor module includes a skin piercing member carried by the carrier. The skin piercing member has a skin piercing end positioned opposite from a base end. The skin piercing member defines a lumen that extends along the central longitudinal axis from the skin piercing end toward the base end and the lumen having a lumen axis. The sensor module also includes a blood sample analysis zone located entirely within the lumen of the skin piercing member and a capillary flow stop for stopping capillary flow at a predetermined location within the lumen of the skin piercing member. The sensor module includes an elongated working electrode positioned within the lumen. The working electrode has a length that extends along the lumen axis where at least a section of the working electrode is positioned within the analysis zone. The working electrode includes sensing chemistry.

No. of Pages: 46 No. of Claims: 76

(22) Date of filing of Application :06/07/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: WATER TREATMENT METHOD AND WATER TREATMENT DEVICE

:C02F1/58,B01J45/00,C02F1/28 (71)Name of Applicant : (51) International classification

(31) Priority Document No :2013001141 (32) Priority Date :08/01/2013

(33) Name of priority country :Japan

(86) International Application No: PCT/JP2013/002144

Filing Date :28/03/2013 (87) International Publication No: WO 2014/108941

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)KABUSHIKI KAISHA TOSHIBA

Address of Applicant: 1 1 Shibaura 1 chome Minato ku Tokyo

1058001 Japan

(72) Name of Inventor: 1)FUKAYA Taro 2)YAMAZAKI Atsushi 3)TSUTSUMI Kenji 4)SUZUKI Ayumi

(57) Abstract:

This water treatment method includes a first step of adding a calcium-containing inorganic substance that is insoluble in water to waste water in a reaction tank to convert fluoride ions included in the waste water to calcium fluoride, and a second step of enabling solid-liquid separation of the waste water that includes the calcium fluoride in a solid-liquid separation tank and removing the calcium fluoride from the waste water to obtain a first treated water. The method further includes a third step of adding a pH regulator to the first treated water in a pH regulating tank to regulate the acidity range of the pH in the first treated water, and a fourth step of passing the first treated water through a container filled with an aminopolyol-based chelate resin to remove by adsorption tetrafluoroborate ions from the first treated water to obtain a second treated water.

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

(22) Date of filing of Application :06/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : APPARATUS AND METHOD FOR GENERATING A FREQUENCY ENHANCED SIGNAL USING SHAPING OF THE ENHANCEMENT SIGNAL

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G10L21/038 :61/758090 :29/01/2013	(71)Name of Applicant: 1)FRAUNHOFER GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
(33) Name of priority country (86) International Application No	:U.S.A. :PCT/EP2014/051599	Address of Applicant :Hansastraße 27c 80686 München Germany
Filing Date  (87) International Publication No  (61) Patent of Addition to Application  Number  Filing Date  (62) Divisional to Application Number  Filing Date	:28/01/2014 :WO 2014/118159 :NA :NA :NA	(72)Name of Inventor: 1)DISCH Sascha 2)GEIGER Ralf 3)HELMRICH Christian 4)MULTRUS Markus 5)SCHMIDT Konstantin

#### (57) Abstract:

An apparatus for generating a frequency enhancement signal (140) comprises: a calculator (500) for calculating a value describing an energy distribution with respect to frequency in a core signal (110, 120); and a signal generator (200) for generating an enhancement signal (130) comprising an enhancement frequency range not included in the core signal, from the core signal (502), wherein the signal generator (200) is configured for shaping the enhancement signal or the core signal so that a spectral envelope of the enhancement signal or of the core signal depends on the value (501) describing the energy distribution with respect to frequency in the core signal.

No. of Pages: 48 No. of Claims: 16

(22) Date of filing of Application :26/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: THERMO-SENSITIVE BONE GROWTH COMPOSITIONS

(51) International classification	:C07K14/51,A61P19/00	(71)Name of Applicant:
(31) Priority Document No	:61/783,803	1)GENZYME CORPORATION
(32) Priority Date	:14/03/2013	Address of Applicant :500 Kendall Street, Cambridge, MA
(33) Name of priority country	:U.S.A.	02142 UNITED STATES OF AMERICA
(86) International Application No	:PCT/US2014/025355	(72)Name of Inventor:
Filing Date	:13/03/2014	1)SAMPATH, Kuber T.
(87) International Publication No	:WO 2014/159863	2)PHILBROOK, Michael
(61) Patent of Addition to Application	:NA	3)SHIEDLIN, Aviva
Number	:NA	4)MCPHERSON, John M.
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A non-invasive injectable composition that contains type I collagen, an osteogenic growth factor (OSF), such as a bone morphogenetic protein and a reverse thermo-sensitive biodegradable polymer such as Poloxamer 407 in an aqueous vehicle. The formulation can be administered non-invasively, e.g., by injection, thus circumventing limitations of many currently marketed bone-inducing products. The injectable osteogenic formulation effectively induces bone formation at the desired locale. This injectable suspension could be used with bioresorbable bone mineral composites (e.g., Hydroxyapatite, Tri-calcium phosphate) and/or glycosaminolycans (e.g., Hyaluronic acid, Heparin sulfate) to mold as putty and/slab as bone graft substitute implants to induce new bone formation in fracture healing and spine fusion procedures.

No. of Pages: 61 No. of Claims: 24

(21) Application No.2045/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :26/06/2015

(43) Publication Date: 29/01/2016

# (54) Title of the invention : N-MYRISTOYLTRANSFERASE 2 OVEREXPRESSION IN PERIPHERAL BLOOD AND PERIPHERAL BLOOD MONONUCLEAR CELLS IS A MARKER FOR COLORECTAL CANCER

<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>	:61/730,694 :28/11/2012 :U.S.A. :PCT/CA2013/050913 :28/11/2013 :WO 2014/082178 :NA :NA	(71)Name of Applicant:  1)SHRIVASTAV, Anuraag  Address of Applicant:515 Portage Ave, Winnipeg, Manitoba R3B 2E9 CANADA (72)Name of Inventor:  1)SHRIVASTAV, Anuraag
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Described herein is the Identification of the NMT isozyme overexpressed in PBMCs of colorectal cancer patients and the cell types overexpressing NMT2 in the PBMCs of CRC patients.

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

(22) Date of filing of Application :26/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: CRYSTALLINE PHOTOVOLTAIC CELLS AND METHODS OF MANUFACTURING

<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 Filing Date</li> </ul>	:H01L31/0224 :61/737,589 :14/12/2012 :U.S.A. :PCT/US2013/073865 :09/12/2013 :WO 2014/093219 :NA :NA	(71)Name of Applicant: 1)SUNEDISON, INC. Address of Applicant:501 Pearl Drive, St. Peters, Missouri 63376 UNITED STATES OF AMERICA (72)Name of Inventor: 1)FANG, Hongbin 2)LI, Bo 3)GUO, Hsiu-Wu 4)NGUYEN, Bang
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#### (57) Abstract:

Crystalline photovoltaic (PV) cells and methods of manufacturing cells are described. One example method of manufacturing a PV cell includes depositing a plurality of first fingers on a crystalline silicon wafer. The first fingers extend in a first direction parallel to each other and comprise a substantially non-silver conductive material.

No. of Pages: 20 No. of Claims: 24

(21) Application No.2173/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/07/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: SHUT OFF MEMBER WITH RINSING

(51) International classification	:F16K5/06,F16K27/06	(71)Name of Applicant:
(31) Priority Document No	:12197179.0	1)AUROTEC GMBH
(32) Priority Date	:14/12/2012	Address of Applicant :Seestrasse 11 A 4844 Regau Austria
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:PCT/EP2013/076589	1)ZIKELI Stefan
Filing Date	:13/12/2013	2)LONGIN Michael
(87) International Publication No	:WO 2014/091009	3)ECKER Friedrich
(61) Patent of Addition to Application	:NA	4)WEIDINGER Klaus
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a shut-off member which has a valve housing (1) with an interior and with at least one inlet (4) and at least one outlet (5), and a closure element (2) which is mounted in the interior so as to be rotatable about an axis, wherein a free space for through-flow of a fluid between inlet (4) and outlet (5) is present between the closure element (2) and the valve housing (1), and a pair of sealing surfaces (6, 7) is provided on the at least one inlet (4) between valve housing (1) and closure element (2), and wherein the sealing surface (7) of the closure element (2) is pivotable by rotation of the closure element (2) and, in the locked position of the shut-off member, blocks the inlet (4) by bearing in a fluid-tight manner on the sealing surface (6) of the valve housing (1), wherein a gap or free space is provided around the closure element (2).

No. of Pages: 45 No. of Claims: 19

(21) Application No.2174/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/07/2015 (43) Publication Date: 29/01/2016

## (54) Title of the invention: APPARATUS AND SYSTEM FOR TREATING ORGANIC MASS

(51) International classification :B01F7/04,C05F17/02,B09B3/00 (71)Name of Applicant:

(31) Priority Document No :1222641.1 (32) Priority Date :14/12/2012

(33) Name of priority country :U.K.

(86) International Application :PCT/SG2013/000524

No

:10/12/2013 Filing Date

(87) International Publication No:WO 2014/092648

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

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Singapore 417939

(72)Name of Inventor:

1)SIM Eng Tong 2) CHUA Siok Lui

3)PUAH Chum Mok

## (57) Abstract:

An apparatus for treating organic mass. The apparatus comprises a treatment chamber and agitation means provided in the chamber to agitate the organic mass. The agitation means comprises a rotatable shaft extending through the chamber, a plurality of agitator arms extending from the shaft, and a paddle connected to each agitator arm. The paddle is arranged to make a first angle with respect to the longitudinal axis of the agitator arm and a second angle with respect to the longitudinal axis of the shaft. There is also provided a system for recycling ammonia generated from the treated organic mass by the apparatus.

No. of Pages: 31 No. of Claims: 22

(21) Application No.1980/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: POLYETHYLENE BLEND COMPOSITIONS AND 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:2800056 :24/12/2012 :Canada	(71)Name of Applicant:  1)NOVA CHEMICALS (INTERNATIONAL) S.A. Address of Applicant: Avenue de la Gare 14 CH 1700 Fribourg Switzerland (72)Name of Inventor: 1)LAM Patrick 2)KER Victoria 3)GRABOW Karen
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## (57) Abstract:

A polymer blend comprising first and second polyethylene copolymers is presented which has good processability and which when made into film shows good toughness stiffness balance reasonable MD tear as well as good optical properties.

No. of Pages: 118 No. of Claims: 29

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

(43) Publication Date: 29/01/2016

# (54) Title of the invention : ANTIBODIES OR FRAGMENTS THEREOF HAVING SCLEROSTIN BINDING AND SCLEROSTIN NEUTRALIZING 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filed on</li> </ul>	:C07K 14/51 :60/677, 583 :03/05/2005 :U.S.A. :PCT/US2006/016441 :28/04/2006 :WO/2006/119107 :NA :NA :4223/KOLNP/2007 :02/11/2007	(71)Name of Applicant: 1)AMGEN INC. Address of Applicant:ONE AMGEN CENTER DRIVE THOUSAND OAKS, CALIFORNIA 91320 UNITED STATES OF AMERICA 2)UCB PHARMA S.A. (72)Name of Inventor: 1)PASZTY, CHRISTOPHER 2)ROBINSON, MARTYN, KIM 3)GRAHAM, KEVIN 4)HENRY, ALISTAIR, JAMES 5)HOFFMANN, KELLY, SUE 6)LATHAM, JOHN 7)LAWSON, ALASTAIR 8)LU, HSIENG, SEN 9)POPPLEWELL, ANDY 10)SHEN, WENYAN 11)WINKLER, DAVID 12)WINTERS, AARON, GEORGE
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## (57) Abstract:

A polypeptide that consists essentially of at least one, at least two, at least three or all four of amino acid sequences SEQ ID NO: 2, SEQ ID NO: 3, SEQ ID NO: 4 and SEQ ID NO: 5, wherein the polypeptide elicits an antibody specific for sclerostin of SEQ ID NO: 1 when the polypeptide is administered to an animal.

No. of Pages: 190 No. of Claims: 49

(22) Date of filing of Application :29/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: METHOD AND MOBILE DEVICE FOR DISPLAYING IMAGE

<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 Filing Date</li> </ul>	:1020130001691 :07/01/2013 :Republic of Korea	(71)Name of Applicant:  1)SAMSUNG ELECTRONICS CO. LTD.  Address of Applicant:129 Samsung ro Yeongtong gu Suwon si Gyeonggi do 443 742 Republic of Korea (72)Name of Inventor:  1)PARK Taegun
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#### (57) Abstract:

A method and a mobile device to display a specific image at the highest layer of a screen are provided. The mobile device displays moving images at a first region of a screen and if an event to perform a function in a second region of the screen is received determines a second region for displaying a specific image associated with the event. The mobile device determines whether the second region is overlapped with the first region. If the second region is overlapped with the first region the mobile device determines a third region not overlapped with the second region. Thereafter the mobile device displays the specific image at the second region and displays the moving images at the third region.

No. of Pages: 42 No. of Claims: 15

(21) Application No.2071/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/06/2015

(43) Publication Date: 29/01/2016

## (54) Title of the invention: METHOD FOR PREPARING AMICARBAZONE

(51) International

:C07D249/12,A01N43/653,A01P13/00

classification

(31) Priority Document No :10-2013-0008417

(32) Priority Date

:25/01/2013

(33) Name of priority

:Republic of Korea

country

(86) International :PCT/KR2014/000604

Application No

:22/01/2014

Filing Date (87) International

Publication No

:WO 2014/116012

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA :NA

Filing Date

(71)Name of Applicant:

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KOREA

(72) Name of Inventor:

1)KIM, Keun Sik

2)CHOI, Yeon Tak

### (57) Abstract:

The present invention relates to a method for preparing amicarbazone by using amino triazolinone which is an intermediate compound and relates to a method for preparing amicarbazone comprising the steps of: obtaining hydrazine carboxylic acid represented by chemical formula (V) by reacting acylhydrazide represented by chemical formula (II) and a carbamating agent represented by chemical formula (III) or (IV); reacting the obtained hydrazine carboxylic acid represented by chemical formula (V) and hydrazine hydrate in the presence of a base catalyst; and reacting the obtained compound represented by chemical formula (I) and an alkyl isocyanate represented by chemical formula (IV) in the presence of a base catalyst. Amino triazolinone and amicarbazone would be stably produced by the present invention without safety gear and safety facilities for the leakage of phosgene which has been conventionally used as a reactant. Therefore it would be possible to reduce the preparation cost of amicarbazone which is used as a herbicide for field crops such as sugarcane corn and the like thereby increasing price competitiveness. Additionally it would be possible to increase the cost competitiveness compared with other herbicides.

No. of Pages: 29 No. of Claims: 9

(22) Date of filing of Application :07/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : METHOD AND APPARATUS FOR TRANSMITTING/RECEIVING SIGNAL IN COMMUNICATION SYSTEM

(71)Name of Applicant: (51) International classification :H04L27/34,H04L27/10 1)SAMSUNG ELECTRONICS CO. LTD. (31) Priority Document No :1020120150386 Address of Applicant: 129 Samsung ro Yeongtong gu Suwon si Gyeonggi do 443 742 Republic of Korea (32) Priority Date :21/12/2012 (33) Name of priority country :Republic of Korea (72) Name of Inventor: (86) International Application No :PCT/KR2013/012007 1)PARK Jeong Ho Filing Date :23/12/2013 2)KIM Tae Young (87) International Publication No :WO 2014/098536 3)ROH Won II (61) Patent of Addition to Application 4)SAGONG Min :NA Number 5)SEOL Ji Yun :NA Filing Date 6)YU Hyun Kyu (62) Divisional to Application Number :NA 7) CHEUN Kyung Whoon Filing Date 8)CHO Jae Weon :NA 9)HONG Sung Nam

## (57) Abstract:

A method for transmitting a signal by a signal transmission apparatus in a communication system is provided. The method includes detecting a parameter related to a Quadrature Amplitude Modulation (QAM) scheme and a parameter related to a Frequency Shift Keying (FSK) scheme based on channel quality and an interference component and modulating information bits using a modulation scheme based on the QAM scheme and the FSK scheme which uses the parameter related to the QAM scheme and the parameter related to the FSK scheme.

No. of Pages: 68 No. of Claims: 34

(22) Date of filing of Application :29/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : OBTAINING CONTROL CHANNEL ELEMENTS OF PHYSICAL DOWNLINK CONTROL CHANNELS FOR CROSS CARRIER SCHEDULING

(51) International classification :H04B7/26,H04
(31) Priority Document No :61/748694
(32) Priority Date :03/01/2013
(33) Name of priority country :U.S.A.

(86) International Application No
Filing Date

(87) PCT/KR2014/000063

SPCT/KR2014/000063

SPCT/KR2014/000063

(87) International Publication No :WO 2014/107056

(61) Patent of Addition to Application
Number
Filing Date
(62) Divisional to Application Number
Filing Date
:NA
Filing Date
:NA

:H04B7/26,H04W72/12 (71)**Name of Applicant :** 

1)SAMSUNG ELECTRONICS CO. LTD.

Address of Applicant :129 Samsung ro Yeongtong gu Suwon

si Gyeonggi do 443 742 Republic of Korea

(72) Name of Inventor:

1)PAPASAKELLARIOU Aris

#### (57) Abstract:

A method and an apparatus of a NodeB or a User Equipment(UE) in communication with each other are provided. According to certain embodiments a method for a base station(NodeB) to transmit to the UE one or more Physical Downlink Control CHannels(PDCCHs) comprises allocating to the UE a unique carrier indicator for each of a plurality of carriers; determining a location for a first CCE of a first a PDCCH candidate for scheduling one of a PDSCH reception and PUSCH transmission in a second carrier with the indicator; and transmitting to the UE a PDCCH scheduling the one of the PDSCH reception and the PUSCH transmission in the second carrier.

No. of Pages: 58 No. of Claims: 43

(22) Date of filing of Application :06/07/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention: SYSTEM METHOD AND DEVICE FOR PROVIDING APPLICATION SERVICE

<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 Filing Date</li> </ul>	:H04W28/00 :NA :NA :NA :PCT/CN2012/088127 :31/12/2012 :WO 2014/101227 :NA :NA :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD.  Address of Applicant: Huawei Administration Building Bantian Longgang Shenzhen Guangdong 518129 China (72)Name of Inventor:  1)ZHU Zhiming 2)CAO Mingrong 3)HE Chengkai
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#### (57) Abstract:

Provided are a system method and device for providing an application service comprising: a first access network device and a first application server which are connected via a first interface with the first application server being capable of being used to process an application request received from the first access network device and the application request being received by the first access network device from a user equipment. According to the embodiments of the present invention by deploying an application server at a wireless access network side the application server can adjust network sending scheduling according to the network environment the sending of a service content can be ensured and the user experience can be improved.

No. of Pages: 154 No. of Claims: 90

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

(43) Publication Date: 29/01/2016

# (54) Title of the invention : SYSTEM ARCHITECTURE SUBSYSTEM AND METHOD FOR OPENING OF TELECOMMUNICATION NETWORK CAPABILITY

<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</li> </ul>	:NA :NA :NA :PCT/CN2012/088134 :31/12/2012 :WO 2014/101231 :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD.  Address of Applicant: Huawei Administration Building Bantian Longgang Shenzhen Guangdong 518129 China (72)Name of Inventor:  1)LI Jian 2)KONG Tao
	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Embodiments of the present invention provide a system architecture a subsystem and a method for opening of telecommunication network capability. The system comprises: an API opening subsystem a telecommunication network subsystem and a third party subsystem. A first interface is provided between the telecommunication network subsystem and the API opening subsystem and a second interface is provided between the API opening subsystem and the third party subsystem. The telecommunication network subsystem is used for providing telecommunication network capability for the API opening subsystem. The API opening subsystem is used for operating and managing opening of the telecommunication network capability and providing an API with the telecommunication network capability for the third party subsystem. The third party subsystem is used for invoking the API with the telecommunication network capability on the API opening subsystem. The telecommunication network capability comprises network customizing capability and telecommunication network capability and/or hosting capability that is invoked by the third party subsystem according to requirements. Therefore the system architecture for opening of telecommunication network capability provided by the present invention has wide applicability and can improve the competitiveness of the telecommunication operator in the market.

No. of Pages: 70 No. of Claims: 45

(21) Application No.2182/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : ROTOR FOR SCREW PUMPS AND/OR ECCENTRIC SCREW PUMPS AND A SCREW PUMP OR ECCENTRIC SCREW PUMP

(31) Priority Document No :10 2 (32) Priority Date :17/0 (33) Name of priority country :Ger. (86) International Application No :PCT Filing Date :15/0	2013 100 451.2 01/2013 many r/DE2014/000015 01/2014 0 2014/111082	71)Name of Applicant:  1)NETZSCH PUMPEN & SYSTEME GMBH Address of Applicant:Gebrüder Netzsch Straße 19 95100 Selb Germany 72)Name of Inventor: 1)STREUBEL Thomas 2)KREIDL Johann 3)DENK Reinhard
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# (57) Abstract:

The invention relates to a rotor (1) for screw pumps and eccentric screw pumps said rotor comprising a rotor head (2) for fixing to a drive and a rotor screw (3) wherein said rotor (1) having a total rotor length (LG). The rotor (1) consists of at least two rotor sections (I II). The first rotor section (I) comprising the rotor head (2) and a first sub section (5) of the rotor screw (3) and is made of a solid material and the at least one second rotor section (II) is designed as a hollow body with an inner hollow region (13).

No. of Pages: 23 No. of Claims: 13

(22) Date of filing of Application :29/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: GRAIN APPEARANCE INSPECTION KIT AND GRAIN APPEARANCE INSPECTION 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G01N21/85 :2012-265839 :04/12/2012 :Japan :PCT/JP2013/082424 :03/12/2013 :WO 2014/087985 :NA :NA	(71)Name of Applicant:  1)SATAKE CORPORATION  Address of Applicant:7-2, Sotokanda 4-chome, Chiyoda-ku, Tokyo 1010021 JAPAN (72)Name of Inventor:  1)MATSUSHIMA, Hideaki 2)ISHIZUKI, Hiroki 3)HIRANO, Shuichi 4)ZHENG, Jun
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### (57) Abstract:

The purpose of the present invention is to provide a grain appearance inspection kit and a grain appearance inspection method, wherein neither preparing grain observation plates in different colors nor transferring grains from one grain observation plate to another grain observation plate according to an inspection item is required. The grain appearance inspection kit according to the present invention is provided with a combination of a grain observation plate having a transparent bottom face with an opaque planar background, wherein the background is disposed in the outside of the bottom face of the grain observation plate, said grain observation plate containing grains having been put thereinto, to inspect the appearance of the grains.

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

(21) Application No.2192/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/07/2015 (43) Publication Date: 29/01/2016

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

(51) International :G01N21/85,B07C5/342,H04N7/18 classification

(31) Priority Document No :2012-288023 (32) Priority Date :28/12/2012

(33) Name of priority country: Japan

(86) International Application :PCT/JP2013/083572

:16/12/2013

Filing Date :WO 2014/103767

(87) International Publication

(61) Patent of Addition to **Application Number** 

:NA Filing Date (62) Divisional to Application :NA

Number :NA Filing Date

(71)Name of Applicant:

1)SATAKE CORPORATION

Address of Applicant: 7-2, Sotokanda 4-chome, Chivoda-ku,

Tokvo 1010021 JAPAN (72) Name of Inventor: 1)KAWAMURA, Yoichi

2) IKEDA, Nobuyoshi

(57) Abstract:

The present invention allows a device to be smaller and improves selection accuracy by forming read lines in an inspection region as straight lines. An imaging device (12) inspects for defects and contamination of foreign bodies while continuously transporting a material. The imaging device (12) comprises an imaging optical system (32) that reflects light from an inspection region (K) by way of a plurality of light reflecting bodies (28, 29, 30, 31), and imaging elements (33, 34) that forms an optical image of the material derived by the imaging optical system (32). At least a pair of light reflecting bodies (28, 30) of the plurality of light reflecting bodies (28, 29, 30, 31) of the imaging optical system (32) is formed to have a concave face.

No. of Pages: 34 No. of Claims: 5

(21) Application No.2194/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/07/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: HIGH-STRENGTH HOT-DIP GALVANIZED STEEL SHEET AND PROCESS FOR MANUFACTURING SAME

(51) International classification :C23C2/02,C21D1/76,C21D9/46 (71)Name of Applicant :

(31) Priority Document No :2013-042854 (32) Priority Date :05/03/2013

(33) Name of priority country :Japan

(86) International Application No:PCT/JP2014/001108

Filing Date :28/02/2014

(87) International Publication No: WO 2014/136417

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application

:NA Number

:NA Filing Date

1)JFE STEEL CORPORATION

Address of Applicant :2-3, Uchisaiwai-cho 2-chome, Chiyoda-

ku, Tokyo 1000011 JAPAN

(72) Name of Inventor: 1)MAKIMIZU, Yoichi 2)SUZUKI, Yoshitsugu

3)NAGATAKI, Yasunobu

# (57) Abstract:

Provided are: a high-strength hot-dip galvanized steel sheet which comprises, as the base material, a high-strength steel sheet containing Si, Mn and B and which exhibits excellent plate adhesion; and a process for manufacturing the same. This process comprises subjecting a steel which contains Si, Mn and B to oxidation treatment at an outlet-side temperature (T) satisfying the relationship  $T \ge 58.65 \times [Si] + 29440 \times [B] - 13.59 \times [O2] + 548.1$  (wherein [Si] is a content (mass%) of Si in the steel, [B] is a content (mass%) of B in the steel, and [O2] is a concentration (vol%) of O2 in the atmosphere of an oxidizing furnace), and then to reduction annealing and hot-dip galvanizing.

No. of Pages: 42 No. of Claims: 5

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

(43) Publication Date: 29/01/2016

# (54) Title of the invention : METHOD AND SYSTEM OF MEASURING AN ACTIVITY OF A PERSON ON A FLEXIBLE MAT OF A TRAMPOLINE

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date  (51) International Classification No (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/2013 (20/12/	(71)Name of Applicant:  1)BOARD & BATTEN INTERNATIONAL INC Address of Applicant: c/- International Management Services Ltd, Harbour Centre 4th Floor North Church Street, BWI Georgetown CAYMAN ISLANDS 2)HOWE, JOHN, ROBERT (72)Name of Inventor: 1)HOWE, John, Robert
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#### (57) Abstract:

A method of measuring an activity of a person/object on a flexible mat of a trampoline, comprising: determining a mat deformation signal based at least on measurements from a sensor arrangement comprising at least one sensor and defining a coordinate space for the mat; the or each sensor being configured to measure a value corresponding to a deformation of the mat as the person/object moves on the mat; wherein, the value measured by die or each sensor corresponds to a proximity of the person/object to the sensor; determining a bounce coordinate in the coordinate spate based at least on the mat deformation signal; and determining a bounce location of the person/object on the mat based at least on the bounce coordinate in the coordinate space. Also provided is a trampoline configured to indicate an activity of a person/object on the mat and an interactive apparatus that includes the trampoline.

No. of Pages: 50 No. of Claims: 30

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: INSTALLATION FOR PRODUCING A BAG FOR MEDICAL PURPOSES METHOD FOR PRODUCING SUCH A BAG INJECTION STOPPER AND BAG FOR MEDICAL PURPOSES

(51) International classification: A61J1/14,B65D75/58,B65D51/00 (71) Name of Applicant: (31) Priority Document No 1)KIEFEL GMBH :10 2013 005 272.6 (32) Priority Date :24/03/2013 Address of Applicant : Sudetenstrasse 3 83395 Freilassing (33) Name of priority country :Germany (72)Name of Inventor: (86) International Application :PCT/DE2014/000150 1)MUTH Friedrich :24/03/2014 Filing Date (87) International Publication :WO 2014/154195 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract:

The invention relates to an installation and a method for producing infusion bags having a means of access and an injection stopper. The invention also relates to such a bag and various injection stoppers. In the system according to the prior art a piece of flexible tube is welded into a bag the port being plugged onto said piece of flexible tube. The port is not additionally fixed but is held in the flexible tube purely by way of tension. As a result sealing problems can theoretically occur. By contrast in the novel system proposed here the port is welded directly into the bag. The flexible tube is thus dispensed with as an intermediate piece. This results in particular in the advantage that for each bag over 30 mm of flexible tube are saved this not only making the installation construction more favourable but also doing away with the flexible tubes with their relatively high costs. Furthermore the flexible tube and the port can optionally be welded in using the same welding tool. The operator of the installation can decide whether to weld in one flexible tube and one port or two flexible tubes. It is not necessary to change tools for this purpose. If the operator of the installation welds in two flexible tubes the standard ports according to the prior art can still be placed on the flexible tubes.

No. of Pages: 24 No. of Claims: 16

(22) Date of filing of Application :30/06/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: DISTRIBUTED DIGITALLY CONVERTIBLE RADIO FOR A CELLULAR BASE STATION

:H04B1/04,H03F3/68,H04B1/18 (71)Name of Applicant : (51) International classification

(31) Priority Document No :13/705704 (32) Priority Date :05/12/2012

(33) Name of priority country :U.S.A.

(86) International Application No: PCT/IB2013/060605

Filing Date :03/12/2013

(87) International Publication No: WO 2014/087336

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application

:NA Number :NA Filing Date

1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant: Stockholm S 164 83 Stockholm Sweden

(72)Name of Inventor: 1)MCGOWAN Neil

2)DA SILVEIRA Marthinus Willem

#### (57) Abstract:

Embodiments of a hybrid unit (38) that supports a configurable number of radio units (40) for a base station (36) in a cellular communications network and embodiments of Distributed Digitally Convertible Radio Units (DDCRUs) for use with the hybrid unit (38) are disclosed. In one embodiment a hybrid unit (38) for a base station (36) in a cellular communications network is provided. The hybrid unit (38) includes an analog hybrid matrix (44). The analog hybrid matrix (44) includes a number of feeder ports (58) operative to connect to at least one radio unit (40) and up to a number of radio units (40) that are external to and separate from the hybrid unit (38). In one preferred embodiment the radio unit(s) (40) is(are) DDCRU(s). The analog hybrid matrix (44) also includes a number of antenna ports (56) operative to connect to at least one and up to a corresponding number of antennas (52) of the base station (36).

No. of Pages: 37 No. of Claims: 24

(21) Application No.2207/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :08/07/2015 (43) Publication Date: 29/01/2016

#### (54) Title of the invention: MEDICAMENT DELIVERY DEVICE

(51) International classification :A61M5/20,A61M5/24,A61M5/30 (71)Name of Applicant :

:14/01/2014

:WO 2014/111371

(31) Priority Document No :1350047-5 (32) Priority Date :15/01/2013 (33) Name of priority country :Sweden

:PCT/EP2014/050570

(86) International Application

Filing Date

(87) International Publication

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)CAREBAY EUROPE LTD

Address of Applicant :Suite 3, Tower Business Centre, Tower

Street, Swatar, BKR 4013 MALTA

(72)Name of Inventor:

1)EGERSTRÖM, Johan 2)SÖDERLUND, Marcus 3)RONQUIST, Nils

### (57) Abstract:

The present invention relates to a metered droplet medicament delivery device for delivering metered doses of medicament, comprising a proximal and a distal part having opposite distal and proximal ends; a medicament container arranged with a movable stopper; a dose delivery mechanism comprising a plunger rod, operably arranged to act on said stopper; wherein said proximal part and said distal part are releasably connectable to each other, whereby said proximal part comprises a medicament container holder accommodating said medicament container and distal part comprises said dose delivery mechanism with said plunger rod, wherein a plunger rod positioning member engageable with a proximal end of said plunger rod as well as engageable with a proximal area of said distal part for positioning said plunger rod in a longitudinal direction of the device in relation to said proximal area (218, 222).

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

(22) Date of filing of Application :29/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: CONVERTER FOR ELECTRIC POWER

(51) International classification	:H02M 1/32	(71)Name of Applicant:
(31) Priority Document No	:10-2012-0157392	1)HYOSUNG CORPORATION
(32) Priority Date	:28/12/2012	Address of Applicant :(GONGDEOK-DONG), MAPO-
(33) Name of priority country	:Republic of Korea	DAERO 119, MAPO-GU SEOUL 121-720 REPUBLIC OF
(86) International Application No	:PCT/KR2013/012355	KOREA
Filing Date	:27/12/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2014/104848	1)KIM, JUNE SUNG
(61) Patent of Addition to Application	:NA	2)KIM, TAE GYUN
Number	:NA	3)YANG, Hang Jun
Filing Date	.IVA	4)CHOI, JONG YUN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a converter for electric power having multiple sub-modules connected in series, the sub-modules having an energy storage unit and multiple power semiconductor circuits connected in parallel to the energy storage unit, and which causes an electric current to bypass a sub-module in case the breakdown of the sub-module occurs. To this end, the converter for electric power according to the present invention has multiple sub-modules connected to each other in series, the sub-modules having an energy storage unit and at least one power semiconductor circuit that is connected in parallel to the energy storage unit and comprises multiple power semiconductor switches and freewheeling diodes, wherein each of the sub-modules comprises a bypass switching unit, which is connected in parallel to anyone of said at least one power semiconductor circuit, and bypasses an electric current via the bypass switching unit.

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

(22) Date of filing of Application :29/06/2015 (43)

(43) Publication Date: 29/01/2016

# (54) Title of the invention : BIDIRECTIONAL ELECTRIC POWER CONVERTER WITH FAULT-HANDLING CAPABILITY INCLUDING AN UNIPOLAR AND A BIPOLAR UNIT

<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</li> </ul>	:06/01/2014 :WO 2014/109989 :NA	(71)Name of Applicant:  1)ABB RESEARCH LTD.  Address of Applicant: AFFOLTERNSTRASSE 44, 8050  ZURICH SWITZERLAND  (72)Name of Inventor:  1)BALA, SANDEEP  2)CARR, JOSEPH, A
	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A power conversion system (100) includes a unipolar bidirectional power converter (102) with DC terminals and a first controller (106), and a bipolar bidirectional power converter (104) with DC terminals connected in series with the DC terminals of the unipolar bidirectional power converter (102) and a second controller (108). The first controller (106) is operable to cause only a positive-valued DC voltage across the DC terminals of the unipolar bidirectional power converter (102). The second controller (108) is operable to cause a positive-valued or negative-valued DC voltage across the DC terminals of the bipolar bidirectional power converter (104) so that a total voltage of the power conversion system (100) is the sum of the positive-valued DC voltage across the DC terminals of the bipolar bidirectional power converter (104) and the positive-valued DC voltage across the DC terminals of the unipolar bidirectional power converter (102).

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

(21) Application No.2079/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: EQUIPMENT MOUNTING SYSTEM

(51) International :A61G3/08,F16M11/04,F16M13/02

classification (31) Priority Document No :61/763045

(31) Priority Document No :61//63045 (32) Priority Date :11/02/2013 (33) Name of priority country :U.S.A.

(86) International Application

(86) International Application :PCT/US2014/015898

Filing Date :11/02/2014

(87) International Publication :WO 2014/124471

(61) Patent of Addition to Application Number :NA

Application Number
Filing Date

(22) Bining Land Application

(62) Divisional to Application
Number
:NA

Filing Date (57) Abstract :

(71) Name of Applicant:

1)FERNO WASHINGTON INC.

Address of Applicant :70 Weil Way Wilmington OH 45177

9371 U.S.A.

(72)Name of Inventor:

1)CHINN Robert

2)SCHROEDER Timothy Paul

3)WEST James C. 4)SMOLAN Peter 5)VACULA Michal 6)TUREK Ladislav

A track mounting system including a mount with a mounting plate with a back surface and a front surface the back surface is opposite the front surface and at least one mounting stud coupled to the back surface of the mounting plate each mounting stud includes a stem portion that extends outwardly from the back surface and an enlarged head portion disposed at a distal end of stem portion. The mount also includes a release mechanism coupled to the front surface to release the mount from a track. The track mounting system also includes an adaptor coupled to the front surface of the mounting plate wherein the adaptor releasably couples with an equipment interface of a piece of equipment.

No. of Pages: 81 No. of Claims: 23

(22) Date of filing of Application :07/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: DATA PROCESSING METHOD AND DEVICE IN DISTRIBUTED FILE STORAGE 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:31/12/2013 :WO 2015/100627 :NA :NA :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD.  Address of Applicant: Huawei Administration Building Bantian Longgang Shenzhen Guangdong 518129 China (72)Name of Inventor:  1)GUO Hongxing
Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to a data processing method and a device 30 in a distributed file storage system. The method comprises: a client proxy 30 receiving a data processing request of a user the data processing request carrying information such as a file identification an offset address and a file length of a target file; the client proxy 30 obtaining redundancy ratio information according to the file identification carried in the data processing request the redundancy ratio information comprising the number N of data strips of the distributed file storage system; determining the number DSC of effective strips of the target file according to the offset address and the length information carried in the data processing request; determining the number N of actual strips of the target file according to the number DSC of the effective strips and the number M of the check strips; and determining corresponding strips according to the number N of the actual strips and processing of the corresponding strips. The number of actual strips generated during striping processing of a target file is dynamically adjusted according to the size of a file to be processed it can ensured that a correct target file can be always obtained in any case the number of null strips in the distributed file storage system 10 can be reduced and a large quantity of network read write I/O and magnetic disk read write I/O can be saved in a scenario of small files thereby improving the performance of the distributed file storage system 10.

No. of Pages: 66 No. of Claims: 13

(22) Date of filing of Application :23/06/2015

(43) Publication Date: 29/01/2016

# (54) Title of the invention : METHOD AND APPARATUS FOR APPLYING SECURITY INFORMATION IN WIRELESS COMMUNICATION SYSTEM

(51) International classification	:H04W 12/08	(71)Name of Applicant:
(31) Priority Document No	:61/751,284	1)LG ELECTRONICS INC.
(32) Priority Date	:11/01/2013	Address of Applicant :128, YEOUI-DAERO,
(33) Name of priority country	:U.S.A.	YEONGDEUNGPO-GU, SEOUL 150-721 REPUBLIC OF
(86) International Application No	:PCT/KR2014/000328	KOREA
Filing Date	:10/01/2014	(72)Name of Inventor:
(87) International Publication No	:WO 2014/109602	1)LEE, Youngdae
(61) Patent of Addition to Application	:NA	2)PARK, SUNGJUN
Number		3)YI, SEUNGJUNE
Filing Date	:NA	4)JUNG, SUNGHOON
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(55) 11		·

# (57) Abstract:

A method and apparatus for applying security information in a wireless communication system is provided. A user equipment (UE) obtains first security information and second security information, applies the first security information to a first set of radio bearers (RBs) which is served by a master eNodeB (MeNB), and applies the second security information to a second set of RBs which is served by a secondary eNodeB (SeNB).

No. of Pages: 34 No. of Claims: 15

(22) Date of filing of Application :23/06/2015

(43) Publication Date: 29/01/2016

# (54) Title of the invention : AN APPLICATION SERVER AND COMPUTER READABLE STORAGE MEDIUM FOR GENERATING PROJECT SPECIFIC CONFIGURATION 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</li> </ul>	:G06Q10/06 :2012905220 :30/11/2012 :Australia :PCT/AU2013/001336 :21/11/2013 :WO 2014/082117 :NA	(71)Name of Applicant:  1)THE LOUVIN GROUP PTY LTD  Address of Applicant:65 Bantry Road Frenchs Forest New South Wales 2086 Australia (72)Name of Inventor:  1)LEDBROOK Louise
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

There is provided an application server (210) for generating project specific configuration data the application server (210) comprising a processor (1000) a memory device coupled to the processor for storing digital data and an interface coupled to the processor (1000) for sending and receiving data across a data network. The processor (1000) being adapted to receive and store project template data (415) receive and store question configuration data (405) representing at least one question and at least one associated candidate answer and receive and store rule data representing a rule relating the project template data (415) and the question configuration data (405). The processor being further adapted to send question data from the question configuration data (405) and receive answer data (410) in response to the question data and generate project specific configuration data (425) from the project template data (41 5) based on the answer data (410) and rule data.

No. of Pages: 59 No. of Claims: 34

(21) Application No.2090/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: DRYING SYSTEM

(51) International classification	:F26B15/12,F26B21/00	(71)Name of Applicant:
(31) Priority Document No	:12290428.7	1)SAINT GOBAIN PLACO SAS
(32) Priority Date	:05/12/2012	Address of Applicant :34 Avenue Franklin Roosevelt F 92150
(33) Name of priority country	:EPO	Suresnes France
(86) International Application No	:PCT/EP2013/075696	(72)Name of Inventor:
Filing Date	:05/12/2013	1)MONGROLLE Jean Louis
(87) International Publication No	:WO 2014/086936	2)LALANDE Jérôme
(61) Patent of Addition to Application	:NA	3)GOODAIRE Martin
Number	:NA	4)SELBY Stephen
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A drier for drying boards (32) comprises at least one conduit (34 40) for directing airflow towards one of the faces of the board (32). The drier is configured such that at least a portion of the airflow travels across the face of the board (32) along the longitudinal axis of the drier the longitudinal axis of the drier being the axis along which the board (32) travels as it is dried.

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

(21) Application No.2091/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: METHOD FOR CLEANING A FLUID AND FILTER DEVICE

(51) International :B01D29/56,B01D29/66,B01D29/96 classification

(31) Priority Document No :12195894.6

(32) Priority Date :06/12/2012

(33) Name of priority country: EPO

(86) International :PCT/AT2013/000196

Application No :05/12/2013

Filing Date

(87) International Publication :WO 2014/085836

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date

(62) Divisional to :NA **Application Number** :NA

Filing Date

(71)Name of Applicant: 1)AUROTEC GMBH

Address of Applicant : Seestrasse 11 A 4844 Regau Austria

(72) Name of Inventor: 1)ZIKELI Stefan 2)LONGIN Michael

3)ECKER Friedrich 4)WEIDINGER Klaus

#### (57) Abstract:

The invention relates to a method and a device for cleaning a fluid which device comprises a housing (11) having at least one inlet (19) and at least one outlet (21) and a slide mechanism (12) which is movably arranged in the housing and has at least one passage (25) having at least two filters (28) lying substantially symmetrically opposite each other wherein starting from the inlet (19) of the housing (11) the fluid flows symmetrically onto the filters (28) in the passage (25) and downstream of the filters (28) in the passage (25) is directed to the outlet of the housing (11) wherein a part of the fluid that does not flow through the passage (25) forms a hydrodynamic buffer in a gap (29) between the slide mechanism (12) and the housing (11) wherein the passage (25) opens out into at least two symmetrically opposite sub channels (16 17) of the outlet (21) and at least four flushing flows are generated in the gap (29) between at least two inlet mouths (30) and at least two outlet mouths (31) of the passage (25).

No. of Pages: 42 No. of Claims: 15

(22) Date of filing of Application :08/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: A DETECTOR

(51) International classification	:G01J1/02	(71)Name of Applicant:
(31) Priority Document No	:60/449800	1)ABREU, MARCIO, MARC, AURELIO, MARTINS
(32) Priority Date	:26/02/2003	Address of Applicant :72 HIGHLAND PARK ROAD,
(33) Name of priority country	:U.S.A.	NORTH HAVEN, CT 06473, UNITED STATES OF AMERICA
(86) International Application No	:PCT/US2004/005496	(72)Name of Inventor:
Filing Date	:26/02/2004	1)ABREU, MARCIO, MARC, AURELIO, MARTINS
(87) International Publication No	: NA	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:1759/KOLNP/2005	
Filed on	:05/09/2005	

#### (57) Abstract:

Support structures for positioning sensors on a physiologic tunnel for measuring physical, chemical and biological parameters of the body and to produce an action according to the measured value of the parameters. The support structure includes a sensor fitted on the support structures using a special geometry for acquiring continuous and undisturbed data on the physiology of the body. Signals are transmitted to a remote station by wireless transmission such as by electromagnetic waves, radio waves, infrared, sound and the like or by being reported locally by audio or visual transmission. The physical and chemical parameters include brain function, metabolic function, hydrodynamic function, hydration status, levels of chemical compounds in the blood, and the like. The support structure includes patches, clips, eyeglasses, head mounted gear and the like, containing passive or active sensors positioned at the end of the tunnel with sensing systems positioned on and accessing a physiologic tunnel.

No. of Pages: 341 No. of Claims: 31

(22) Date of filing of Application :08/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: METHOD AND DEVICE FOR POLYMER PULVERISATION EXTRUSION

` '	1:B29B9/06,B29B17/04,B29B13/10 :NA	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
(31) Priority Document No (32) Priority Date	:NA :NA	1)POLYMERIC POWDERS COMPANY PTY LTD Address of Applicant :Suite 1 Level 1 615 Dandenong Road
(32) Phority Date (33) Name of priority country		Armadale VIC 3143 Australia
(86) International Application No Filing Date	:PCT/AU2013/000005 :09/01/2013	(72)Name of Inventor: 1)VAINER Michael
(87) International Publication No	:WO 2014/107758	
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention generally relates to polymeric materials pulverisation. More particularly the present invention relates to an extrusion method and device for producing particulate deformed polymers having a more useful resultant devulcanised surface area for downstream industrial usage. Specifically the present invention relates to a pulverisation extrusion method and device that utilises the herein described specific combination of variable feed screw torque and variable main screw speed together with coupled temperature control of the extruder barrel and extruder main screw.

No. of Pages: 31 No. of Claims: 12

(22) Date of filing of Application :08/07/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: NONLINEAR RESISTIVE COATING MATERIAL BUS AND STATOR COIL

(51) International

:C09D5/24,C09D7/12,C09D133/00

:17/01/2014

:WO 2014/112384

classification

(31) Priority Document No :2013007253 (32) Priority Date :18/01/2013

(33) Name of priority country :Japan

(86) International Application :PCT/JP2014/000213

Filing Date (87) International Publication

(61) Patent of Addition to **Application Number** :NA

Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)KABUSHIKI KAISHA TOSHIBA

Address of Applicant: 1 1 Shibaura 1 chome Minato ku Tokyo

1058001 Japan

(72) Name of Inventor:

1)MATSUZAKI Hidehito

2)KUSUMORI Hisashi

3)SHIIKI Motoharu

4)ANDO Hideyasu

5)NOJIMA Kenichi

6)NAKANO Toshiyuki

7)TAKEI Masafumi

(57) Abstract:

A nonlinear resistive coating material (20) according to an embodiment comprises: a matrix resin (22) which comprises an epoxy resin that can be cured by the addition of a curing agent; ZnO containing particles (21) which are dispersed and contained in the matrix resin (22) and which are made of a sintered material that comprises ZnO as a main component; and semiconductive surface treated ZnO whiskers (10) which are dispersed and contained in the matrix resin (22) and which are surface treated with a titanate coupling agent.

No. of Pages: 57 No. of Claims: 9

(22) Date of filing of Application :08/07/2015 (43) Publication Date : 29/01/2016

:NA

:NA

# (54) Title of the invention : A METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING ACKNOWLEDGMENT SIGNALS

:H04L1/18,H04W72/04 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)SAMSUNG ELECTRONICS CO. LTD. :61/753728 (32) Priority Date Address of Applicant: 129 Samsung ro Yeongtong gu Suwon :17/01/2013 (33) Name of priority country si Gyeonggi do 443 742 Republic of Korea :U.S.A. (86) International Application No :PCT/KR2014/000434 (72) Name of Inventor: Filing Date :15/01/2014 1)PAPASAKELLARIOU Aris (87) International Publication No :WO 2014/112788 (61) Patent of Addition to Application :NA Number :NA Filing Date

#### (57) Abstract:

Filing Date

A method and apparatus for compressing resources used for transmitting acknowledgment signals from User Equipments (UEs). An acknowledgment signal is in response to detections from a UE of one or more Physical Downlink Control CHannels (PDCCHs) in respective one or more Transmission Time Interval (TTIs) within *M* TTIs. Each PDCCH is transmitted over Control Channel Elements (CCEs). Resources account for both CCEs in a same TTI and for TTIs within the *M* TTIs. A Hybrid Automatic Repeat reQuest (HARQ) Acknowledgment Resource Offset (HRO) field in a Downlink Control Information (DCI) format is used to compress resources in both CCE and TTI domains. For the first TTI of the *M* TTIs, all HRO values compress resources in the CCE domain while for all remaining TTIs, half HRO values compress resources in the TTI domain.

No. of Pages: 41 No. of Claims: 18

(62) Divisional to Application Number

(21) Application No.2205/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :08/07/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: UTILISATION OF GASSES FOR POLYMERIC MATERIALS FRAGMENTATION AND ACTIVATION AND RELATED DEVICE

(51) International :B02C19/18,B02C23/34,C08J11/04

classification

(31) Priority Document No (32) Priority Date :NA (33) Name of priority country: NA

(86) International Application :PCT/AU2013/000041

No :21/01/2013 Filing Date

(87) International Publication

:WO 2014/110617

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)POLYMERIC POWDERS COMPANY PTY LTD

Address of Applicant: Suite 1 Level 1 615 Dandenong Road

Armadale VIC 3143 Australia (72) Name of Inventor:

1)VAINER Michael

### (57) Abstract:

The present invention relates generally to utilising gasses for fragmenting polymeric materials and simultaneously modifying the surface area molecular structure of the said polymeric materials. More particularly the present invention relates to a method and associated device for the processing of already preliminarily deformed polymeric materials preferably without metal reinforcing elements by utilising aggressive gasses to both modify the polymeric materials surface area into an activated state and also simultaneously fragment the fed preliminarily deformed polymeric materials into a powder like form with a relatively increased surface area.

No. of Pages: 27 No. of Claims: 22

(21) Application No.2206/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application:08/07/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: MEDICAMENT DELIVERY DEVICE

(51) International classification :A61M5/20,A61M5/24,A61M5/30 (71)Name of Applicant:

(31) Priority Document No :1350046-7 (32) Priority Date :15/01/2013 (33) Name of priority country :Sweden

(86) International Application :PCT/EP2014/050569

:14/01/2014 Filing Date

(87) International Publication :WO 2014/111370

(61) Patent of Addition to

:NA **Application Number** :NA Filing Date (62) Divisional to Application

:NA Number :NA Filing Date

1)CAREBAY EUROPE LTD

Address of Applicant :Suite 3, Tower Business Centre, Tower

Street, Swatar, BKR 4013 MALTA

(72) Name of Inventor:

1)EGERSTRÖM, Johan 2)SÖDERLUND, Marcus 3)RONQUIST, Nils

(57) Abstract:

A medicament delivery device for delivering metered doses of medicament, wherein an indicator mechanism (128, 132) is operably connected to an drive member (118) and arranged to visibly indicate to a user of the device when a spring force tensioning member (166) has been operated such that the device is ready for dose delivery.

No. of Pages: 36 No. of Claims: 13

(21) Application No.2092/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: IMMUNOGENIC COMPOSITION

(51) International classification	:A61K39/08,C07K14/33	(71)Name of Applicant:
(31) Priority Document No	:1221875.6	1)GLAXOSMITHKLINE BIOLOGICALS S.A.
(32) Priority Date	:05/12/2012	Address of Applicant :rue de l'Institut 89, B-1330 Rixensart
(33) Name of priority country	:U.K.	BELGIUM
(86) International Application No	:PCT/EP2013/075405	(72)Name of Inventor:
Filing Date	:03/12/2013	1)BOUTRIAU, Dominique
(87) International Publication No	:WO 2014/086787	2)GERMAIN, Sophie Marie Jeanne Valentine
(61) Patent of Addition to Application	:NA	3)WALLEMACQ, Hugues
Number	:NA	
Filing Date	IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The present invention relates to immunogenic compositions comprising a Clostridium difficile (C.difficile) polypeptide and an aluminium-free adjuvant.

No. of Pages: 103 No. of Claims: 103

(21) Application No.2093/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: NOVEL HETERCYCLIC COMPOUNDS AS BROMODOMAIN INHIBITORS

(51) International :C07D413/04,A61K31/395,A61K31/4439 classification

(31) Priority Document :61/745,274

No

(32) Priority Date :21/12/2012

(33) Name of priority

:U.S.A. country

(86) International :PCT/IB2013/003202 Application No

:19/12/2013 Filing Date

(87) International :WO 2014/096965 Publication No

(61) Patent of Addition :NA to Application Number

:NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)ZENITH EPIGENETICS CORP.

Address of Applicant: 300, 4820 Richard Road SW Calgary,

Alberta T3E 6L1 CANADA

(72) Name of Inventor:

1)LIU, Shuang

2) DUFFY, Bryan, Cordell 3) QUINN, John, Frederick 4)JIANG, May, Xiaowu 5)WANG, Ruifang

6)MARTIN, Gregory, Scott

7)ZHAO, He

8) MOLINO, Bruce, Francis 9)YOUNG, Peter, Ronald

(57) Abstract:

The present disclosure relates to compounds, which are useful for inhibition of BET protein function by binding to bromodomains, and their use in therapy.

No. of Pages: 230 No. of Claims: 129

(21) Application No.2094/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: NEW ANTIBODY FRAGMENTS, COMPOSITIONS AND USES THEREOF

(51) International classification :C07K16/28,A61K39/395,A61P35/00 (31) Priority Document No :TO2013A000012 (32) Priority Date :09/01/2013 (33) Name of priority country :Italy :PCT/IB2014/058098

Application No
Filing Date

PC1/IB2014/036

:07/01/2014

(87) International :WO 2014/108829

Publication No
(61) Patent of Addition to
Application Number
Filing Date
(22) Filing Date

Filing Date
(62) Divisional to
Application Number
Filing Date
:NA

(71)Name of Applicant:

1)METHERESIS TRANSLATIONAL RESEARCH S.A.

Address of Applicant :Via alla Campagna 2/a, CH-6900

Lugano SWITZERLAND (72)Name of Inventor:
1)VIGNA, Elisa
2)MICHIELI, Paolo

3) COMOGLIO, Paolo Maria

# (57) Abstract:

Antibody fragment comprising a first polypeptide comprising a light chain variable domain and two constant domains and a second polypeptide comprising a heavy chain variable domain and two constant domains, wherein two chain constant domains are light chain constant domains and two constant domains are CHI heavy chain constant domains.

No. of Pages: 60 No. of Claims: 21

(22) Date of filing of Application :30/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: ADDITIVES WITH CLOUD POINTS TO IMPROVE EFFICIENCY OF RELEASE AGENTS

(51) International classification	:D21H27/40,D21H17/33	(71)Name of Applicant:
(31) Priority Document No	:61/748,781	1)GEORGIA-PACIFIC CHEMICALS LLC
(32) Priority Date	:04/01/2013	Address of Applicant: 133 Peachtree Street NE, Atlanta,
(33) Name of priority country	:U.S.A.	Georgia 30303 UNITED STATES OF AMERICA
(86) International Application No	:PCT/US2013/076718	(72)Name of Inventor:
Filing Date	:19/12/2013	1)TOWNSEND, David F.
(87) International Publication No	:WO 2014/107329	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

This disclosure relates to papermaking and the use of creping adhesive and release agent compositions used in papermaking. In one aspect, there is provided a new class of release agents and compositions comprising release agents, the release agent comprising: a) a release agent comprising a quaternary imidazoline compound, an imidazoline free base, an oil-based dispersion, or a combination thereof; and b) a polyether component selected from a polypropylene glycol (PPG), a co-polymer of propylene glycol and ethylene glycol (co-PPG-PEG), a blend of polypropylene glycol (PPG) and polyethylene glycol (PEG), and a combination thereof, wherein the release composition has a cloud point in water at standard pressure from about 1°C to about 98°C. There are also provided creping compositions having a cloud point, comprising an adhesive composition and a release composition as described.

No. of Pages: 44 No. of Claims: 20

(22) Date of filing of Application :30/06/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: INTRACELLULAR PHENOTYPIC SCREENING

(51) International :C12N15/10,G01N33/68,G01N33/50 classification

(31) Priority Document No :13305003.9

(32) Priority Date :03/01/2013 (33) Name of priority :EPO

country

(86) International :PCT/EP2014/050032

Application No :02/01/2014 Filing Date

(87) International Publication: WO 2014/106639

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)SANOFI

Address of Applicant :54, rue La Boétie, F-75008 Paris

**FRANCE** 

2)INSTITUT NATIONAL DE LA SANTE ET DE LA

RECHERCHE MEDICALE

3)UNIVERSITE DE MONTPELLIER

4)INSTITUT REGIONAL DU CANCER DE

MONTPELLIER

(72) Name of Inventor:

1)DARIAVACH, Piona

2)MARTINEAU, Pierre

3) HAHN, Chang

# (57) Abstract:

The present invention relates to a method for identifying a cellular target involved in a cell phenotype comprising identifying an intrabody which can modify a cell phenotype and identifying a direct or indirect cellular target of the intrabody. The present invention also relates to intrabodies 3H2-1, 3H2-VH and 5H4 which are capable of inhibiting the degranulation reaction in mast cells triggered by an allergic stimulus, and especially to intrabodies 3H2-1 and 5H4 which are capable of directly or indirectly targeting a protein of the ABCF1 family and of the C120RF4 family respectively. The present invention also relates to ABCF1 and C120RF4 inhibitors for use in therapy, in particular for treating allergic and/or inflammatory conditions.

No. of Pages: 93 No. of Claims: 39

(21) Application No.2218/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :08/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: A DETECTOR FOR PLACEMENT ON THE SKIN

(51) International classification :A61B5/00 (31) Priority Document No :

(32) Priority Date : - (33) Name of priority country :

(86) International Application No :PCT/US2004/00549

Filing Date :26/02/2004 (87) International Publication No :WO2005/015163

(61) Patent of Addition to Application
Number
Filing Date
:NA

(62) Divisional to Application Number :1759/KOLNP/2005 Filed on :05/09/2005 (71)Name of Applicant:

1)ABREU, MARCIO, MARC, AURELIO, MARTINS Address of Applicant :72 HIGHLAND PARK ROAD, NORTH HAVEN, CT 06473, UNITED STATES OF AMERICA

:PCT/US2004/005496 (72)Name of Inventor :

1) ABREU, MARCIO, MARC, AURELIO, MARTINS

#### (57) Abstract:

Support structures for positioning sensors on a physiologic tunnel for measuring physical, chemical and biological parameters of the body and to produce an action according to the measured value of the parameters. The support structure includes a sensor fitted on the support structures using a special geometry for acquiring continuous and undisturbed data on the physiology of the body. Signals are transmitted to a remote station by wireless transmission such as by electromagnetic waves, radio waves, infrared, sound and the like or by being reported locally by audio or visual transmission. The physical and chemical parameters include brain function, metabolic function, hydrodynamic function, hydration status, levels of chemical compounds in the blood, and the like. The support structure includes patches, clips, eyeglasses, head mounted gear and the like, containing passive or active sensors positioned at the end of the tunnel with sensing systems positioned on and accessing a physiologic tunnel.

No. of Pages: 338 No. of Claims: 8

(21) Application No.2102/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: SCROLL COMPRESSOR

(51) International classification	:F04C18/02,F04C29/02	(71)Name of Applicant :
(31) Priority Document No	:2012288807	1)DAIKIN INDUSTRIES LTD.
(32) Priority Date	:28/12/2012	Address of Applicant :Umeda Center Building 4 12 Nakazaki
(33) Name of priority country	:Japan	nishi 2 chome Kita ku Osaka shi Osaka 5308323 Japan
(86) International Application No	:PCT/JP2013/007242	(72)Name of Inventor:
Filing Date	:10/12/2013	1)TSUKA Yoshitomo
(87) International Publication No	:WO 2014/103204	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A recess (78) which is formed in the bottom part (26a) of a receiving part (26) and in which oil accumulates after lubrication of a sliding part (44) of an engagement part (43) and an oil supply passage (70) which feeds the oil in the recess (78) to sliding parts (35,45) of the compressor (20) are formed in the housing (25) of a scroll compressor.

No. of Pages: 38 No. of Claims: 7

(22) Date of filing of Application :01/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: MOLTEN IRON PRE-TREATMENT 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C21C1/02,C21C1/04 :2013-006910 :18/01/2013 :Japan :PCT/JP2014/050561 :15/01/2014 :WO 2014/112521 :NA :NA :NA	(71)Name of Applicant:  1)JFE STEEL CORPORATION Address of Applicant: 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 1000011 JAPAN (72)Name of Inventor: 1)KAWABATA Ryo 2)TANAKA Kotaro 3)NEGISHI Hidemitsu 4)ISHIGE Toshiro 5)KIKUCHI Naoki 6)UCHIDA Yuichi 7)OGASAWARA Yasushi 8)SASAKI Naotaka 9)IWAKI Yozo 10)SUZUKI Norihiko 11)SENOO Masaomi 12)IDO Hiroharu 13)TANO Manabu 14)ICHIKAWA Akira
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#### (57) Abstract:

A molten iron pre-treatment method for performing desiliconization and dephosphorization of molten iron using a single converter-type refining furnace by supplying an oxygen source to the molten iron in the converter-type refining furnace to desiliconize same, then discharging some of the slag present in the furnace while retaining the molten iron inside the furnace, and subsequently supplying a CaO solvent and an oxygen source into the converter-type refining furnace and tapping the dephosphorized molten iron from the converter-type refining furnace. By analyzing the concentration of at least one carbon atom-containing gaseous species in suctioned gas drawn using an exhaust gas treatment device of the converter-type refining furnace during the desiliconization and determining the desiliconization completion time point on the basis of said analysis value, the subsequent dephosphorization process can be performed at low cost while limiting decreases in molten iron temperature.

No. of Pages: 46 No. of Claims: 12

(22) Date of filing of Application :01/07/2015 (43) Publication Date : 29/01/2016

# $(54) \ Title \ of \ the \ invention: EXENDIN-4 \ DERIVATIVES \ AS \ DUAL \ GLP1/GIP \ OR \ TRIGONAL \ GLP1/GIP/GLUCAGON \ AGONISTS$

(51) International classification	:A61K38/26,C07K14/605	(71)Name of Applicant:
(31) Priority Document No	:12306647.4	1)SANOFI
(32) Priority Date	:21/12/2012	Address of Applicant :54 rue La Boétie, F-75008 Paris
(33) Name of priority country	:EPO	FRANCE
(86) International Application No	:PCT/EP2013/077307	(72)Name of Inventor:
Filing Date	:19/12/2013	1)HAACK, Torsten
(87) International Publication No	:WO 2014/096145	2)WAGNER, Michael
(61) Patent of Addition to Application	:NA	3)HENKEL, Bernd
Number	:NA	4)STENGELIN, Siegfried
Filing Date	.NA	5)EVERS, Andreas
(62) Divisional to Application Number	:NA	6)LORENZ, Martin
Filing Date	:NA	7)LORENZ, Katrin

# (57) Abstract:

The present invention relates to exendin-4 derivatives and their medical use, for example in the treatment of disorders of the metabolic syndrome, including diabetes and obesity, as well as reduction of excess food intake.

No. of Pages: 112 No. of Claims: 30

1) JFE STEEL CORPORATION

ku, Tokvo 1000011 JAPAN

1)WATANABE Makoto

2)IMAMURA, Takeshi

3)SUEHIRO, Ryuichi

(72)Name of Inventor:

Address of Applicant: 2-3, Uchisaiwai-cho 2-chome, Chiyoda-

(19) INDIA

(22) Date of filing of Application :01/07/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: METHOD FOR PRODUCING GRAIN-ORIENTED ELECTRICAL STEEL SHEET

(51) International classification :C21D8/12,C21D1/06,C22C38/00 (71)Name of Applicant: (31) Priority Document No :2013-026209

(32) Priority Date :14/02/2013 (33) Name of priority country :Japan

(86) International Application :PCT/JP2014/053158

No :12/02/2014 Filing Date

(87) International Publication :WO 2014/126089

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

4)TAKAMIYA, Toshito

# (57) Abstract:

This method for producing a grain-oriented electrical steel sheet comprises a series of steps in which a steel material containing, in mass%, 0.002 to 0.10% carbon, 2.0 to 8.0% silicon, and 0.005 to 1.0% manganese, is hot rolled, and hot-rolled sheet annealing is implemented as necessary; then, cold rolling is conducted to produce a cold-rolled sheet of a final thickness; primary recrystallization annealing that doubles as decarburization annealing is implemented; an annealing separation agent is applied to the steel sheet surface; and finish annealing is implemented. A grain-oriented electrical steel sheet with low iron loss and little variation in iron loss values is obtained by: rapidly heating the steel sheet at 50°C/second or higher over an interval of 200 to 700°C, and keeping the steel sheet at any temperature between 250 and 600°C within the aforementioned interval for 1 to 10 seconds, in a heating process for the primary recrystallization annealing; and keeping the temperature within a range of 750 to 900°C, time within a range of 90 to 180 seconds, and PH20/PH2 of the atmosphere within a range of 0.25 to 0.40, in a soaking process for the primary recrystallization annealing.

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

(22) Date of filing of Application :09/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: SPRING OPERATION DEVICE FOR CIRCUIT 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:27/12/2013 :WO 2014/104834 :NA :NA :NA	(71)Name of Applicant:  1)HYOSUNG CORPORATION  Address of Applicant:(Gongdeok-dong), Mapo-daero 119  Mapo-gu Seoul 121-720 REPUBLIC OF KOREA  (72)Name of Inventor:  1)PARK, Joo Eon  2)LEE, Sung Ho
Filing Date	:NA	

### (57) Abstract:

The present invention relates to a spring operation device for a circuit breaker. In the present invention a first rotary shaft (18) with a closed spring (20) installed thereon and a second rotary shaft (22) with an open spring (24) installed thereon are concentrically arranged. The first rotary shaft (18) and the second rotary shaft (22) are interconnected by a planetary gear unit (26) and the power transmission in the planetary gear unit (26) is operated by a clutch unit (42). A latch (46) of the clutch unit (42) couples or decouples a sun gear (28) and ring gear (34) of the planetary gear unit (26) so as to transmit power or prevent power transmission between the first rotary shaft (18) and the second rotary shaft (22). The state where the closed spring (20) and the open spring (24) are compressed is maintained by a closed latch mechanism (21) and an open latch mechanism (25) respectively. According to the present invention the first rotary shaft (18) with the closed spring (20) installed thereon and the second rotary shaft (22) with the open spring (24) installed thereon are concentrically arranged thus minimizing the overall size of the spring operation device and improving operating reliability.

No. of Pages: 30 No. of Claims: 8

(22) Date of filing of Application :24/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: SYSTEMS AND METHODS FOR CONTROLLING A POWER 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> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:H05B33/08 :61/736,942 :13/12/2012 :U.S.A. :PCT/US2013/071690 :25/11/2013 :WO 2014/092998	(71)Name of Applicant:  1)CIRRUS LOGIC, INC.  Address of Applicant:800 W. 6th Street, Austin, TX 78701 UNITED STATES OF AMERICA (72)Name of Inventor:  1)KING, Eric, J.  2)BAKER, Daniel, J.
(87) International Publication No (61) Patent of Addition to Application Number	:NA	2)BAKER, Daniel, J. 3)MELANSON, John, L.
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

### (57) Abstract:

Methods and systems to provide compatibility between a load and a secondary winding of an electronic transformer driven by a leading-edge dimmer may include: (a) responsive to determining that energy is available from the electronic transformer, drawing a requested amount of power from the electronic transformer thus transferring energy from the electronic transformer to an energy storage device in accordance with the requested amount of power; and (b) transferring energy from the energy storage device to the load at a rate such that a voltage of the energy storage device is regulated within a predetermined voltage range.

No. of Pages: 34 No. of Claims: 55

(21) Application No.2009/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :24/06/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: STABILIZED PHARMACEUTICAL FORMULATIONS OF INSULIN ANALOGUES AND/OR **INSULIN DERIVATIVES**

(51) International :A61K9/00,A61K38/28,A61K47/18 classification

(31) Priority Document No :13305126.8

(32) Priority Date :04/02/2013

(33) Name of priority country: EPO

(86) International Application :PCT/EP2014/051976

No :03/02/2014

Filing Date (87) International Publication

:WO 2014/118355

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant:

1)SANOFI

Address of Applicant :54 rue La Boétie, F-75008 Paris

**FRANCE** 

(72) Name of Inventor: 1)BLEY, Oliver 2)LOOS, Petra

3)BIDLINGMAIER, Bernd

4)KAMM, Walter

5)BERCHTOLD, Harald

(57) Abstract:

Stabilized pharmaceutical formulations of insulin analogues and/or insulin derivatives are disclosed.

No. of Pages: 63 No. of Claims: 32

(21) Application No.2106/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: DUAL GLP1/GIP OR TRIGONAL GLP1/GIP/GLUCAGON AGONISTS

:A61K38/26,C07K14/605	(71)Name of Applicant :
:12306647.4	1)SANOFI
:21/12/2012	Address of Applicant :54 rue La Boétie, F-75008 Paris
:EPO	FRANCE
:PCT/EP2013/077313	(72)Name of Inventor:
:19/12/2013	1)HAACK, Torsten
:WO 2014/096150	2)WAGNER, Michael
·NIA	3)HENKEL, Bernd
	4)STENGELIN, Siegfried
.NA	5)EVERS, Andreas
:NA	6)LORENZ, Martin
:NA	7)LORENZ, Katrin
	:12306647.4 :21/12/2012 :EPO :PCT/EP2013/077313 :19/12/2013 :WO 2014/096150 :NA :NA

# (57) Abstract:

The present invention relates to exendin-4 derivatives and their medical use, for example in the treatment of disorders of the metabolic syndrome, including diabetes and obesity, as well as reduction of excess food intake.

No. of Pages: 112 No. of Claims: 23

(21) Application No.2108/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/07/2015

(43) Publication Date: 29/01/2016

# (54) Title of the invention : UPLINK POWER CONTROL METHOD AND APPARATUS IN A BEAM FORMING BASED WIRELESS COMMUNICATION 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H04W52/14 :1020120154743 :27/12/2012 :Republic of Korea :PCT/KR2013/012281 :27/12/2013 :WO 2014/104800 :NA :NA	(71)Name of Applicant:  1)SAMSUNG ELECTRONICS CO. LTD.  Address of Applicant:129 Samsung ro Yeongtong gu Suwon si Gyeonggi do 443 742 Republic of Korea (72)Name of Inventor:  1)SOEL Ji Yun 2)KIM Tae Young
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

A method for operating a Mobile Station (MS) for uplink (UL) power control in a wireless communication system. The method includes: determining an UL Transmit (Tx) power value compensated for a gain difference value between a downlink (DL) Tx beam and an UL Receive (Rx) beam of a Base Station (BS); and transmitting an UL signal based on the determined UL Tx power value.

No. of Pages: 47 No. of Claims: 14

(21) Application No.2109/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/07/2015 (43)

(43) Publication Date : 29/01/2016

# (54) Title of the invention: MOVEABLE JAW MOUNTING 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:B02C1/02 :13150629.7 :09/01/2013 :EPO :PCT/EP2013/075379 :03/12/2013 :WO 2014/108251 :NA :NA	(71)Name of Applicant:  1)SANDVIK INTELLECTUAL PROPERTY AB Address of Applicant: S 811 81 Sandviken Sweden (72)Name of Inventor: 1)SVENSSON Johan 2)LINDBERG Mårten
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A movable jaw mounting assembly to provide adjustment of the close side setting (CSS) of a movable jaw (105) and to act as a retraction assembly or assist with retraction. The assembly comprises at least one linear actuator (122) that is coupled between the support frame (116) end and a region (125) of a toggle unit so as to move the toggle unit towards and away from the support frame end to allow insertion and removal of spacers (126) and/or shims.

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

(21) Application No.2231/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/07/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: SOUNDPROOFING PANEL

:E04B1/86,E04C2/04,E04C2/26 (71)Name of Applicant : (51) International classification

(31) Priority Document No :12290435.2 (32) Priority Date :12/12/2012

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2013/076317

Filing Date :12/12/2013 (87) International Publication No: WO 2014/090917

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)SAINT GOBAIN PLACO SAS

Address of Applicant :34 Avenue Franklin Roosevelt F 92150

Suresnes France

(72) Name of Inventor: 1)HOTCHIN Glen 2) JONES Nicholas

(57) Abstract:

A panel for use in building construction comprises a plasterboard having two opposed faces, a polymer-based lamina being provided on one of these faces. The weight per unit area of the panel lies in the range 13.5 to 17.5 kg/m², and the thickness of the panel lies in the range 11-25 mm

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

(21) Application No.2232/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/07/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: CONSTRUCTION PANEL

(51) International classification: B32B5/02, B32B13/12, B32B13/14 (71) Name of Applicant:

(31) Priority Document No :12290434.5 (32) Priority Date :12/12/2012

(33) Name of priority country :EPO

(86) International Application :PCT/EP2013/076328

No :12/12/2013 Filing Date

(87) International Publication :WO 2014/090924

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to Application :NA Number :NA

Filing Date

1)SAINT GOBAIN PLACO SAS

Address of Applicant :34 Avenue Franklin Roosevelt F 92150

Suresnes France

(72) Name of Inventor: 1)HOTCHIN Glen

2) JONES Nicholas

(57) Abstract:

A panel for use in building construction comprises a plasterboard having two opposed faces, a polymer-based lamina being provided on one of these faces. The polymer-based lamina is characterised in that it is provided by a material for which the work done under uniaxial tensile stress to achieve a tensile strain of up to 0.12 is greater than 2.1 MJ/m³.

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

(21) Application No.2117/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: SYNTHETIC RESIN SLIDING BEARING

(51) International :F16C33/20,B60G15/06,F16C17/02

:NA

classification .F10C33/20,B00G13/00,F (31) Priority Document No :2013-014731

(31) Priority Document No :2013-014731 (32) Priority Date :29/01/2013 (33) Name of priority country :Japan

(86) International Application :PCT/JP2014/000403

No :27/01/2014

Filing Date
(87) International Publication

:WO 2014/119281

(61) Patent of Addition to Application Number :NA :NA

Filing Date
(62) Divisional to Application
Number
:NA
:NA

Filing Date

(71)Name of Applicant:
1)OILES CORPORATION

Address of Applicant :6-34, Kounan 1-chome, Minato-ku,

Tokyo 1080075 JAPAN

2)OILES DEUTSCHLAND GMBH

(72)Name of Inventor:
1)SAKAIRI, Yoshikazu
2)SAITO, Katsunori
3)HAMRODI, Robert
4)METZLER, Kai

5)IGARASHI, Yoshiteru

(57) Abstract:

A synthetic resin sliding bearing (1) comprises: a synthetic resin upper case (2) which is affixed to a vehicle body-side mounting member; a reinforced synthetic resin lower case (3) which is superposed on the upper case (2) so as to be capable of rotating about the axis (O) in the circumferential direction (R) relative to the upper case (2); a metal reinforcement member (4); and a synthetic resin sliding bearing piece (5) which is disposed in the space (S) between the upper case (2) and the lower case (3).

No. of Pages: 51 No. of Claims: 12

(22) Date of filing of Application :01/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: A RADIO NODE A CONTROLLING NODE A COORDINATING NODE AND METHODS THEREIN

<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 Filing Date</li> </ul>	:H04W72/08 :61/749944 :08/01/2013 :U.S.A. :PCT/SE2013/051466 :06/12/2013 :WO 2014/109689 :NA :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant :SE 164 83 Stockholm Sweden (72)Name of Inventor: 1)SIOMINA Iana
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#### (57) Abstract:

Method in a radio node (RN) comprising an enhanced receiver of handling interference. The RN operates in a radio communications network (RCN). The RN obtains a bandwidth information for a determined interferer in the RCN. The interferer is a first signal first channel first radio node first antenna or first cell interfering on a second signal second channel second radio node second antenna or second cell in the RCN. The RN applies the enhanced receiver to mitigate interference from the interferer using the obtained information. The RN applies the enhanced receiver to perform at least one radio measurement on the second signal second channel second radio node second antenna or second cell. Also described is a network node (NN) that receives from the RN a capability information associated with an ability of the RN to mitigate interference. The NN performs a configuration coordination scheduling or decision using the received information.

No. of Pages: 64 No. of Claims: 25

(21) Application No.2119/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: USER TERMINAL APPARATUS AND METHOD OF CONTROLLING 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</li> <li>No</li> </ul>	:G06F3/048,G06F3/03,H04B1/40 :1020120140580 :05/12/2012 :Republic of Korea :PCT/KR2013/011243	1)SAMSUNG ELECTRONICS CO. LTD. Address of Applicant: 129 Samsung ro Yeongtong gu Suwon si Gyeonggi do 443 742 Republic of Korea (72)Name of Inventor:
Filing Date (87) International Publication	:05/12/2013 :WO 2014/088355	1)JEON Byeong yong
No (61) Patent of Addition to Application Number	:WO 2014/088333	
Filing Date (62) Divisional to Application	:NA	
Number Filing Date	:NA	

## (57) Abstract:

A user terminal apparatus is provided. The user terminal apparatus includes a display configured to provide a screen including an editing object a user interface unit configured to receive a user operation and a controller configured to control to display a first wheel navigation User Interface (UI) in a region of the screen when a preset event is generated the first wheel navigation UI including at least one editing menu related to an attribute of the editing object and being rotatable according to the user operation.

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

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

(19) INDIA

(22) Date of filing of Application: 10/07/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: DEVICE FOR CONTACTING A BUS BAR

(51) International classification	:H01R25/14	(71)Name of Applicant:
(31) Priority Document No	:13155412.3	1)MULTI-HOLDING AG
(32) Priority Date	:15/02/2013	Address of Applicant :Stockbrunnenrain 8, CH-4123
(33) Name of priority country	:EPO	Allschwil SWITZERLAND
(86) International Application No	:PCT/EP2014/052920	(72)Name of Inventor:
Filing Date	:14/02/2014	1)BÜRGE, Anton
(87) International Publication No	:WO 2014/125073	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a contact device (1) for contacting a bus bar (2) having at least two contact surfaces (3 4) extending parallel to each other and at a distance from each other comprising a clamping unit (5) for applying a clamping force to the first of said contact surfaces (4) and a contact unit (6) for electrically contacting a second of said contact surfaces (3) wherein the clamping unit (5) lies at a distance from the contact unit (6) such that there is an intermediate space (7) between the clamping unit (5) and the contact unit (6) which intermediate space is used to accommodate said bus bar (2). The clamping unit (5) comprises a clamping element (8) that acts on said contact surface (4) in particular a lever (8) which can be moved onto the contact surface (4) in relation to the intermediate space (7). The contact unit (6) comprises a contact jaw (9) having a surface (10) facing the intermediate space (7) at least one contact element (11) that can be moved in relation to the surface (10) and that protrudes into the intermediate space (7) and a connection element (12) connected to the contact element (11) in an electrically conductive manner.

No. of Pages: 61 No. of Claims: 32

(21) Application No.1917/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :18/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: EXTRACTING DATA FROM COMMUNICATIONS RELATED TO DOCUMENTS

(51) International classification	:G06F17/00 G06F17/20	(71)Name of Applicant: 1)INTUIT INC.
(31) Priority Document No	:14/216,767	Address of Applicant :2700 COAST AVENUE MOUNTAIN
(32) Priority Date	:17/03/2014	VIEW, CALIFORNIA 94043 UNITED STATES OF AMERICA
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/US2014/038400	1)MADHANI, SUNIL H.
Filing Date	:01/01/1900	2)O' SULLIVAN, JOSEPH J.
(87) International Publication No	: NA	3)SREEPATHY, ANU
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The disclosed embodiments provide a system that processes data. During operation, the system obtains a communication associated with a document and extracts data associated with the document from the communication. Next, the system uses the extracted data from the communication and document data from the document to build a context associated with the document. The system then uses the context to facilitate use of the document by a user associated with the communication.

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

(22) Date of filing of Application :02/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: SCALABLE STORAGE SYSTEMS WITH LONGEST PREFIX MATCHING SWITCHES

<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>	:31/12/2013 :WO 2014/101884 :NA :NA :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD.  Address of Applicant: Huawei Administration Building Bantian Longgang Shenzhen Guangdong 518129 China (72)Name of Inventor:  1)SHI Guangyu 2)WU Jianming 3)CHOI Byung
Filing Date	:NA	

#### (57) Abstract:

A method performed by a switch the method comprising receiving a request for a file from a client wherein the file is located in a distributed storage system extracting a directory for the file from the request performing longest prefix matching (LPM) of the directory against a forwarding information base (FIB) to identify a port wherein the FIB associates directories with ports of the switch and forwarding the client request toward a server containing the file via the identified port wherein the server is one of a plurality of servers in the distributed storage system.

No. of Pages: 33 No. of Claims: 22

(22) Date of filing of Application :02/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: METHOD AND SYSTEM FOR SHARING STORAGE RESOURCES

(51) International classification	:H04L29/08	(71)Name of Applicant:
(31) Priority Document No	:PCT/CN2012/088109	1)HUAWEI TECHNOLOGIES CO. LTD.
(32) Priority Date	:31/12/2012	Address of Applicant :Huawei Administration Building
(33) Name of priority country	:China	Bantian Longgang Shenzhen Guangdong 518129 China
(86) International Application No	:PCT/CN2013/091253	(72)Name of Inventor:
Filing Date	:31/12/2013	1)GU Jiongjiong
(87) International Publication No	:WO 2014/101896	2)MIN Xiaoyong
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Embodiments of the present invention are a method and system for sharing storage resources. Hard disks and storage resources of a storage array are divided into multiple storage partitions and compose a shared storage resource pool. Read/write control modules are allocated for each storage partition. Global partition information is generated to record correspondence relationships between the read/write control modules and each storage partition in the shared resource pool. This allows when a storage request message is subsequently received for determination of the storage partition that corresponds to the storage request message also for determination on the basis of the global partition information of the read/write control module that corresponds to the storage partition corresponding to the storage request message and finally for transmission of the storage request message to the read/write control module determined thus allowing the read/write storage module to execute an operation requested by the storage request message. The embodiments of the present invention implement rapid and easy integration among heterogeneous storage resources allow for highly efficient utilization of various storage resources save costs and prevent resource wastage.

No. of Pages: 55 No. of Claims: 25

(21) Application No.650/KOL/2015 A

(19) INDIA

(22) Date of filing of Application: 11/06/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: HEAT PUMP AIR CONDITIONER

	E25D12/00	
(51) International classification	:F25B13/00	(71)Name of Applicant :
(31) Priority Document No	:2014-	1)KIMURA KOHKI CO., LTD
(31) Thomas Bocament 110	152542	Address of Applicant :A-23, UEMACHI, CHUO-KU,
(32) Priority Date	:28/07/2014	OSAKA-SHI, OSAKA 540-0005 JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)KIMURA, KEIICHI
Filing Date	:NA	2)MORITA, MITSUO
(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 heat pump air conditioner 200 includes: an air-intake-side heat exchanger 3 including a plurality of heat transfer pipes 12a and 12b through which a refrigerant passes, the heat transfer pipes 12a and 12b being arranged in a direction along an air inlet face 13 of the air-intake-side heat exchanger 3, the air-intake-side heat exchanger 3 being configured to convert intake air into cool air or warm air and supply the cool air or warm air to a space to be air conditioned; a plurality of first and second heat pumps 5 a and 5b including, at least, a plurality of compressors 2a and 2b configured to compress the refrigerant and supply the compressed refrigerant to the heat transfer pipes 12a and 12b and a plurality of heat-source-side heat exchangers 4a and 4b connected to the respective compressors 2a and 2b, the first and second heat pumps 5 a and 5b sharing the air-intake-side heat exchanger 3; and a controller 8 configured to switch a state of the compressors 2a and 2b between an operating state and an operation stopped state. The controller 8 controls the compressors 2a and 2b to switch an operation of each of the compressors 2a and 2b between starting and stopping in accordance with a magnitude of an air-conditioning load.

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

(22) Date of filing of Application :07/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : METHOD AND DEVICE FOR TRANSMITTING AND RECEIVING SIGNAL BY USING MODULATION TECHNIQUES IN WIRELESS COMMUNICATION SYSTEM

(51) International classification :H04L27/34,H04L27/10 (31) Priority Document No :1020120150394 (32) Priority Date :21/12/2012 (33) Name of priority country :Republic of Korea (86) International Application No :PCT/KR2013/012010 Filing Date :23/12/2013 (87) International Publication No :WO 2014/098537 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(71)Name of Applicant:

1)SAMSUNG ELECTRONICS CO. LTD.

Address of Applicant :129 Samsung ro Yeongtong gu Suwon

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(72)Name of Inventor:

1)YU Hyun Kyu 2)ROH Won II 3)PARK Jeong Ho 4)SAGONG Min 5)SEOL Ji Yun

7) CHEUN Kyung Whoon

8)CHO Jae Weon 9)HONG Sung Nam

6)LIM Chi Woo

# (57) Abstract:

Disclosed is a method and device for transmitting and receiving a signal by using modulation techniques in a wireless communication system. The method according to the present invention includes: selecting one of QAM and improved QAM according to at least one pre defined criterion; encoding information bits to be transmitted according to a first encoding scheme and mapping encoded information bits to QAM symbols when the QAM is selected; encoding information bits to be transmitted according to a second encoding scheme and mapping encoded information bits to improved QAM symbols when the improved QAM is selected; and transmitting the QAM symbols or the improved QAM symbols through a given resource region.

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

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

(43) Publication Date: 29/01/2016

# (54) Title of the invention : CRYPTOGRAPHY METHOD COMPRISING AN OPERATION OF MULTIPLICATION BY A SCALAR OR AN EXPONENTIATION

#### (57) Abstract:

The invention relates to a method for cryptographic processing of data, implemented in an electronic device (DV1) comprising a processor (PROC), the method comprising steps of provision of a point of an elliptic curve in a Galois field, and of a whole number, and of calculation of a scalar product for the point by the number, the coordinates of the point and the number having a size greater than the size of words that can be processed directly by the processor, the scalar multiplication of the point by the number, comprising steps involving: storage of scalar multiples for the point by the number 2 raised to a power belonging to a series of whole numbers, initialization of a resulting point, for each non-zero bit of the first number, addition of the resulting point and one of the stored multiple points, and provision of the resulting point at the output of the processor as the result of the scalar product.

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

(22) Date of filing of Application :07/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: NOISE FILLING IN PERCEPTUAL TRANSFORM AUDIO 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</li> <li>Number</li> <li>Filing Date</li> </ul>	:G10L19/028 :61/758209 :29/01/2013 :U.S.A. :PCT/EP2014/051631 :28/01/2014 :WO 2014/118176 :NA	(72)Name of Inventor: 1)DISCH Sascha 2)GAYER Marc 3)HELMRICH Christian
Number Filing Date	:NA	3)HELMRICH Christian 4)MARKOVIC Goran
(62) Divisional to Application Number Filing Date	:NA :NA	5)VALERO Maria Luis

# (57) Abstract:

Noise filling in perceptual transform audio codecs is improved by performing the noise filling with a spectrally global tilt rather than in a spectrally flat manner.

No. of Pages: 70 No. of Claims: 25

(21) Application No.2188/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: A RECEIVER FOR MULTI CARRIER MODULATED SIGNALS

<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>	:H04L27/26 :NA :NA :NA :PCT/EP2012/075496 :14/12/2012 :WO 2014/090321	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant:S 164 83 Stockholm Sweden (72)Name of Inventor: 1)ERIKSSON Thomas 2)EMANUELSSON Thomas 3)RYDSTRÖM Mats
<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 receiver (100) for an MCM signal with pilot symbols comprising a first phase adjustment unit (110) for adjusting the phase of an MCM signal by means of the pilot symbols and to output a first phase adjusted MCM signal (115) to an MCM remodulator unit (120) which demodulates and then modulates the first phase adjusted MCM signal (115) to create an MCM reference signal (125). The communications receiver (100) also comprises a second phase adjustment unit (130) which receives the first phase adjusted MCM signal (115) and also the MCM reference signal (125). The second phase adjustment unit (130) adjusts the phase of the first phase adjusted MCM signal (115) by means of said MCM reference signal (125) and outputs a second phase adjusted MCM signal (135) to an output MCM demodulator (140) which demodulates the second phase adjusted MCM signal (135) and outputs the demodulated MCM signal.

No. of Pages: 29 No. of Claims: 14

(22) Date of filing of Application :17/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: COMPRESSOR AND METHOD FOR ASSEMBLING A COMPRESSOR

(31) Priority Document No :10-20 00816	Address of Applicant :128, YEOUI-DAERO, Y/2014 YEONGDEUNGPO-GU, SEOUL, 150-721 REPUBLIC OF blic KOREA
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#### (57) Abstract:

A compressor and a method for assembling a compressor are provided. The compressor may include a compressor casing coupled to each of a suction inlet, into which a refrigerant may be introduced, and a discharge outlet, through which the refrigerant may be discharged, a compressor body mounted inside the compressor casing to compress the refrigerant suctioned in through the suction inlet, and then discharge the refrigerant through the discharge outlet, a noise reducing member disposed between the compressor body and the compressor casing, and at least one fixing member mounted inside the compressor casing to fix the noise reducing member to an inner wall of the compressor casing.

No. of Pages: 63 No. of Claims: 34

(22) Date of filing of Application :29/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : A METHOD OF PREPARING 3 AMINO 4 (2 4 5 TRIFLUOROPHENYL)BUTANOIC ACID DERIVATIVES

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (51) International Publication No Filing Date (52) Divisional to Application Number Filing Date (53) International Publication No Filing Date (54) International Publication No Filing Date (55) International Publication No Filing Date (56) Divisional to Application Number Filing Date (57) International Classification Filing Date (58) International Application No Filing Date (59) International Classification Filing Date (50) International Classification Filing Date (50) International Classification Filing Date (50) International Application Filing Date (50) International Classification Filing Date (50) International Application Filing Date (50) International Application Filing Date (51) International Classification Filing Date (52) International Publication Filing Date (53) International Publication Filing Date (54) International Publication Filing Date (55) International Publication Filing Date (56) International Publication Filing Date (57) International Publication Filing Date (58) International Publication Filing Date Filing Date (59) International Publication Filing Date Filing Date (50) International Publication Filing Date	1)ZENTIVA K.S. Address of Applicant :U Kabelovny 130 102 37 Praha 10 blic Czech Republic 3/000159 (72)Name of Inventor: 1)RICHTER Jindrich
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#### (57) Abstract:

The invention provides a new method of preparing 3-arnino-4-(2,4,5-trifluorophenyl)butanoic acid derivatives of general formula (1), which are mainly useful as advanced intermediates of some dipeptidyl peptidase-4 (DPP-4) inhibitors. Pg is a commonly used protecting group, especially t-butyloxycarbonyl (Boc), benzyloxycarbonyl (Cbz), acetyl or trifluoroacetyl, and R is  $NR^1R^2$ , wherein  $R^1$  and  $R^2$  is the same or different substituent, which may be hydrogen, a substituted or unsubstituted  $C_{1-6}$  alkyl, or  $R^1$  together with  $R^2$  form a substituted or unsubstituted 4-, 5-, or 6-membered heterocyclic containing at least one nitrogen atom, especially a derivative of piperazine. The reaction is carried out using condensation reagent of general formula (3), wherein X is a halide anion, and the reaction is carried out in the environment of a polar organic solvent.

No. of Pages: 19 No. of Claims: 9

(21) Application No.2198/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: TEMPLE SUPPORT

<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>	:1020130001471 :07/01/2013 :Republic of Korea	(71)Name of Applicant:  1)YANG Young Chul  Address of Applicant: (Apgujeong dong Miseong Apt.) 22  1402 113 Apgujeong ro Gangnam gu Seoul 135 785 Republic of
<ul> <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>	:PCT/KR2014/000164 :07/01/2014 :WO 2014/107100 :NA :NA	Korea 2)YANG Ji Yeon (72)Name of Inventor: 1)YANG Young Chul 2)YANG Ji Yeon
Filing Date	:NA	

#### (57) Abstract:

Disclosed is a temple support which supports a temple to prevent glasses nose pads from coming in contact with the bridge of the nose when wearing glasses thereby reducing pressing on skin of the bridge of the nose caused by the glasses nose pads. The temple support according to the present invention comprises: a crescent shaped main body portion provided at an upper bone constituting the boundary of the scalp of a wearer and the ear auricle; a fixing protrusion projected on the outer surface of the main body portion in an integrated manner; and a groove for temple insertion which is formed at the upper surface of the main body portion.

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

(22) Date of filing of Application :07/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: PROCESSING METHOD FOR A MULTICORE PROCESSOR AND MULTICORE PROCESSOR

<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 Filing Date</li> </ul>	:NA :NA :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD  Address of Applicant: Huawei Administration Building Bantian Longgang District Shenzhen Guangdong 518129 China (72)Name of Inventor:  1)LEVIN Mikhail Petrovich 2)FILIPPOV Alexander Nikolaevich 3)YAN Youliang
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#### (57) Abstract:

The present invention relates to a multicore processor 1. In order to select one of the multiple cores (21, 22, 23) in such a processor, an execution time of tasks which are performed multiple times is determined. Based on the determined execution time on the individual cores (21, 22, 23), an appropriate core (21, 22, 23) for further executions of a task is selected. Additionally, the present invention further provides a code generator and code generating method for providing appropriate machine code for a multicore processor 1.

No. of Pages: 34 No. of Claims: 16

(22) Date of filing of Application :17/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: LINEAR COMPRESSOR AND REFRIGERATOR INCLUDING A LINEAR COMPRESSOR

(31) Priority Document No (32) Priority Date (33) Name of priority country :10- 007 (26/ :Rej	2)DONGHAN KIM 3)YOUNGCHEOL HAN A
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#### (57) Abstract:

A linear compressor and a refrigerator including a linear compressor is provided. The linear compressor may include a shell including a suction inlet, a cylinder provided in the shell to define a compression space for a refrigerant, a piston reciprocated in an axial direction within the cylinder, a discharge valve provided at one side of the cylinder to selectively discharge the refrigerant compressed in the compression space, at least one nozzle disposed in the cylinder to introduce at least a portion of the refrigerant discharged through the discharge valve into the cylinder, and at least one filter provided in the shell. The at least one filter may be disposed in a refrigerant passage defined from the suction inlet to the at least one nozzle via the discharge valve. Foreign substances or oil contained in the refrigerant introduced into the at least one nozzle may be filtered while passing through the at least one filter.

No. of Pages: 56 No. of Claims: 30

(22) Date of filing of Application :03/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: OMEGA 3 FATTY ACID NUTRICEUTICAL COMPOSITION AND OPTIMIZATION 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA	(71)Name of Applicant:  1)WESTBY Fiona Address of Applicant: Fiona C Westby 650 Bellevue Way NE #3201 Bellevue WA 98004 U.S.A. (72)Name of Inventor: 1)ROSEDALE Ronald
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#### (57) Abstract:

A novel omega 3 fatty acid/lipid based nutraceutical composition and a method of optimizing said omega 3 fatty acid/lipid based nutraceutical composition. The nutraceutical composition and method is based on the insight that different forms of high omega 3 fatty acid lipids (e.g. triglyceride form ethyl ester form free fatty acid form phospholipid form) have different molecular modes and levels of action. Specifically the phospholipid form is likely more effective at promoting membrane fluidity and permeability while the free fatty acid form is likely more effective at regulating cell receptors such as the PPARa receptors that are responsible for various metabolic effects including lipid metabolism. The desirability of producing omega 3 compositions that may act synergistically and thus more robustly to improve health and to some extent mimic markers of life extension such as shown by caloric restriction along with specific optimization methods markers and compositions are taught.

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

(21) Application No.669/KOL/2015 A

(19) INDIA

(22) Date of filing of Application: 17/06/2015 (43) Publication Date: 29/01/2016

# (54) Title of the invention: TAKE-UP WINDER AND SPUN YARN TAKE-UP APPARATUS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:D01D5/12 :2014- 136644	(71)Name of Applicant: 1)TMT MACHINERY, INC. Address of Applicant:6TH FL., OSAKA GREEN BLDG., 2-
(32) Priority Date	:02/07/2014	6-26 KITAHAMA, CHUO-KU, OSAKA-SHI, OSAKA 541-
(33) Name of priority country	:Japan	0041, JAPAN
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DAISUKE NANAYAMA
(87) International Publication No	: NA	2)TSUYOSHI KATSURA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

High-quality packages each of which is uniform in diameter and free from problems due to uneven tension and contact pressure are obtained by simply and precisely estimating the bending of a bobbin holder and correcting the parallelism between a contacting roller and the bobbin holder, even if packages are formed at some of positions on the bobbin holder. To begin with, package actual formation positions which are positions of bobbin attachment sections 30 of a bobbin holder 22 where packages P are actually formed are obtained. Subsequently, based on the information of the obtained package actual formation positions, a variation in bending of the bobbin holder 22 due to the formation of the packages P in the package actual formation positions is estimated. Based on the estimated variation in bending, the posture of a contacting roller 26 is changed by controlling two fluid cylinders 24 and 25, so that the parallelism between the bobbin holder 22 and the contacting roller 26 is corrected.

No. of Pages: 64 No. of Claims: 5

(22) Date of filing of Application :02/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: ELECTRICAL CONNECTING DEVICE WITH SPRING CONNECTION ELEMENT AND COMPACT ACTUATOR AND MULTI-POLE PLUG CONNECTOR COMPRISING A PLURALITY OF SAID SPRING CONTACTS

(32) Priority Date :15/07/2014 (33) Name of priority country :Italy (86) International Application No :NA Filing Date :NA (87) International Publication No :NA Filing Date :NA Filing Date :NA (62) Divisional to Application Number :NA (62) Divisional to Application Number :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>	:NA :NA : NA :NA :NA	I.L.M.E. S.P.A. Address of Applicant :VIA MARCO ANTONIO COLONNA, 9 20149 MILANO ITALY (72)Name of Inventor:
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## (57) Abstract:

An electrical connecting device (10) comprising an electrical insulating body (20) with at least one pair of longitudinal parallel seats (23) and (24) adapted to house, respectively, a connecting element (30) with a spring terminal and an actuator pin (40) having a cam profile oriented towards a spring (32) of the terminal to cause the opening and closure of the terminal by sliding into the corresponding seat, said spring (32) being a ring-shaped spring having a curved lower portion (34), a back ascending portion in form of a leg (35) engageable with a projecting portion (41) of said cam profile of the actuator pin (40) and an upper portion (36) with a slot (37) adapted to receive at least one electric conductor (60), wherein said cam profile of the actuator pin (40) has at least a tapered side (45) and a remaining ribbed portion (46), and that said back ascending portion in form of a leg (35) of the spring (32) has a corresponding groove (39) apt to house said at least one ribbed portion (46) of the actuator pin (40) in the maximum extroversion status of the spring, that is when the terminal is closed and empty.

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

(21) Application No.2175/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: SUBCUTANEOUS INJECTION DEVICE

(51) International classification (71)Name of Applicant: :A61M5/178 (31) Priority Document No 1)PHARMASENS AG :10187141.6 (32) Priority Date Address of Applicant: NEUMATTENWEG 8, CH-4105 :11/10/2010 (33) Name of priority country **BIEL-BENKEN SWITZERLAND** :EPO (86) International Application No :PCT/EP2011/067535 (72)Name of Inventor : 1)HADVÀRY, PAUL Filing Date :07/10/2011 (87) International Publication No :WO2012/049080 2)TSCHIRKY, HANSJÖRG (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :1091/KOLNP/2013 Filed on :18/04/2013

#### (57) Abstract:

In a syringe type pump with a barrel (2) and a piston (4) movable in the interior of the barrel the barrel has the shape of a segment of a toroidal tube (2) and the piston is moved by means of a driving rod (6) which is guided and supported by the inner surface of the barrel wall. By the toroidal shape the overall size of the pump is significantly reduced and by guiding and supporting the driving rod of the piston by the inner surface of the barrel wall intrinsic problems of tightness, stick- slip phenomena and blockage are solved. A device for injecting fluid into a patients body or removing body fluid therefrom is using a syringe type pump with a toroidal barrel and a driving rod of the piston guided and supported by the inner surface of the barrel wall.

No. of Pages: 26 No. of Claims: 11

Address of Applicant :Pohjantähdentie 17, FI-01450 Vantaa

(19) INDIA

(22) Date of filing of Application :06/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: METHOD AND APPARATUS FOR FEEDING IN WASTE MATERIAL FROM AN INLET CHUTE

(51) International classification :B65F1/00,B65F1/14,E04F17/12 (71)Name of Applicant :

(31) Priority Document No :20135075 (32) Priority Date :25/01/2013

(33) Name of priority country :Finland

(86) International Application No:PCT/FI2014/050025 Filing Date :15/01/2014

(87) International Publication No :WO 2014/114849

(61) Patent of Addition to
Application Number
Filing Date
:NA

(62) Divisional to Application Number :NA Filing Date :NA (72)Name of Inventor : 1)SUNDHOLM, Göran

1)MARICAP OY

FINLAND

(57) Abstract:

Method for feeding in waste material from an inlet chute (90) into the container space of a material container (10), in which inlet chute (90) is arranged at least one input point (60), in which is an input aperture (61) for feeding in material (68) into the inlet chute and onwards along a channel section of the inlet chute into a material container (10), which inlet chute comprises a mainly vertical channel section (91) and a section (92, 93) deviating from the vertical direction. The conveying of material to be conveyed in the inlet chute (90) is enhanced at least in the section (92, 93) of the inlet chute deviating from the vertical direction by bringing about a transporting air flow in the inlet chute in the input direction of material towards the material container (10), which transporting air flow is brought about at least partly with a fan means (7), the blowing side of which fan means is connected into medium connection with the inlet chute (90) and/or the suction side of the fan means is connected into medium connection with the container space of the material container (10). The invention also relates to an apparatus.

No. of Pages: 20 No. of Claims: 11

(21) Application No.665/KOL/2015 A

(19) INDIA

(22) Date of filing of Application :17/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: LINEAR COMPRESSOR

<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>	:10-2014- 0091831	(71)Name of Applicant:  1)LG ELECTRONICS INC.  Address of Applicant: 128, YEOUI-DAERO, YEONGDEUNGPO-GU, SEOUL, 150-721 REPUBLIC OF KOREA (72)Name of Inventor:  1)JEONGUK BYUN 2)EONPYO HONG 3)JEEHYUN KIM
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## (57) Abstract:

A linear compressor is provided. The linear compressor may include a cylinder, a piston reciprocated within the cylinder in an axial direction; and a linear motor that provides power to the piston, The linear motor may include a first stator, a second stator spaced apart from the first stator; and at least one permanent magnet disposed between the first stator and the second stator, wherein the first stator comprises: a bobbin around which a coil is wound; and a plurality of core blocks that surrounds the bobbin, wherein, in at least one core block of the plurality of core blocks, a distance between a first surface that faces the second stator and a second surface of the second stator that faces the first surface varies in a circumferential direction of the second stator.

No. of Pages: 41 No. of Claims: 25

(22) Date of filing of Application :02/07/2015

(43) Publication Date: 29/01/2016

# (54) Title of the invention: IMPROVEMENT OF SOLAR WATER PUMPING SYSTEM PERFORMANCE USING ACTIVELY COOLED PHOTOVOLTAIC MODULES MODULES.

(51) International classification	·F03B13/00	(71)Name of Applicant:
(31) Priority Document No	:62/020,835	
(32) Priority Date	:03/07/2014	
(33) Name of priority country	:U.S.A.	165 (OLD#110) ST. MARY'S ROAD, CHENNAI 600 018,
(86) International Application No	:NA	TAMIL NADU, INDIA
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SANDEEP RAMMOHAN KOPPIKAR
(61) Patent of Addition to Application Number	:NA	2)MARATH PARKASH
Filing Date	:NA	3)NAGENDRA SRINIVAS CHERUKUPALLI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A solar powered fluid pumping system for supplying a fluid from a fluid source includes a frame assembly, a photovoltaic (PV) module, a pump, and a PV heat exchanger. The PV module is mounted to the frame assembly, and configured to generate an electrical power output from solar energy incident on the PV modules. The pump is powered by the PV module to pump the fluid from the fluid source. The PV heat exchanger is in thermal communication with the PV module and fluid communication with the pump. The PV heat exchanger is configured to transfer heat from the PV module to less than all of the fluid.

No. of Pages: 75 No. of Claims: 22

(21) Application No.2138/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: PLASMA SOURCE

(51) International classification	:H01J37/32	(71)Name of Applicant:
(31) Priority Document No	:10 2012 024 340.5	1)OERLIKON SURFACE SOLUTIONS AG TRÜBBACH
(32) Priority Date	:13/12/2012	Address of Applicant :Hauptstrasse 53 CH 9477 Trübbach
(33) Name of priority country	:Germany	Switzerland
(86) International Application No	:PCT/EP2013/003704	(72)Name of Inventor:
Filing Date	:09/12/2013	1)KRASSNITZER Siegfried
(87) International Publication No	:WO 2014/090389	2)HAGMANN Juerg
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a plasma generating device comprising a plasma source having a plasma source hollow body (1) and an electron emission unit (5) which makes it possible to emit free electrons into the plasma source hollow body wherein the plasma source hollow body (1) has a first gas inlet (7a) and a plasma source opening (10) which forms an opening to a vacuum chamber and further comprising an anode having an anode hollow body (2) wherein the anode hollow body (2) has a second gas inlet (7b) and an anode opening (11) which forms an opening to the vacuum chamber and a voltage source (8) the negative pole of which is connected to the electron emission unit (5) and the positive pole of which is connected to the anode hollow body (2) wherein the positive pole of the voltage source (8) is additionally electrically connected by means of a first shunt (6a) to the plasma source hollow body.

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

(22) Date of filing of Application :03/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: BRAKE UNIT FOR A VEHICLE AND VEHICLE HAVING SUCH A BRAKE UNIT

(51) International :B60T17/16,B61H5/00,F16D55/224

(31) Priority Document No :10 2013 201 635.2 (32) Priority Date :31/01/2013 (33) Name of priority country :Germany

(86) International Application :PCT/EP2014/050232

No :08/01/2014

Filing Date :08/01/2014

(87) International Publication :WO 2014/117969

(61) Patent of Addition to

Application Number
Filing Date
:NA
:NA

(62) Divisional to Application :NA
Number :NA
Filing Date

(71)Name of Applicant:

1)SIEMENS AKTIENGESELLSCHAFT

Address of Applicant: Wittelsbacherplatz 2 80333 München

Germany

(72)Name of Inventor:

1)BILDSTEIN Markus

2)GAILE Anton 3)SCHIFFERS Toni

(57) Abstract:

The invention relates to a brake unit (9; 109; 209) for a vehicle in particular a rail vehicle (1) having a brake cylinder (143; 243) a brake piston (144; 244) guided axially in the brake cylinder and means (159; 259) for adjusting a clearance (L) which form two first stops (144.1 163.1; 270.1 262.3) which are assigned to each other and strike against each other when the brake unit is opened wherein one of the first stops (163.1; 262.3) is formed on a blocking element (163; 262) that is functionally connected to the brake piston. In order to be able to open the brake unit beyond the clearance a blocking member (165; 261) is in engagement with the blocking element (163; 262) under the force of a pre stressing spring (164; 273) in such a manner that the blocking element (163; 262) is blocked by the blocking member when the first stops (144.1 63.1; 270.1 262.3) strike wherein actuation means (155; 255) are suitably formed to displace the blocking member (165; 261) that is in engagement with the blocking element (163; 262) counter to the force of the pre stressing spring (164; 273) into a position detached from the blocking element. The invention further relates to a vehicle (1) having such a brake unit (9; 109; 209).

No. of Pages: 41 No. of Claims: 10

(22) Date of filing of Application :21/07/2014

(43) Publication Date: 29/01/2016

# (54) Title of the invention: AN INSPECTION DEVICE (D) AND A METHOD FOR CHECKING COMPARTMENTAL OPENINGS OF WINDBOX OF SUPERCRITICAL BOILERS IN THERMAL POWER PLANTS.

(51) International classification	:G01N21/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)BHARAT HEAVY ELECTRICALS LIMITED
(32) Priority Date	:NA	Address of Applicant :REGIONAL OPERATIONS
(33) Name of priority country	:NA	DIVISION(ROD) PLOT NO:9/1, DJ BLOCK 3RD FLOOR
(86) International Application No	:NA	KARUNAMOYEE, SALT LAKE CITY, KOLKATA-700091
Filing Date	:NA	HAVING ITS REGISTERED OFFICE AT BHEL HOUSE SIRI
(87) International Publication No	: NA	FORT, NEW DELHI - 110049, INDIA. West Bengal India
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DR. NARASIMHAN RAJU
(62) Divisional to Application Number	:NA	2)VENKATARAMAN SUDHARSANAM
Filing Date	:NA	

## (57) Abstract:

This invention describes a method of developing and using a special inspection device for checking the dimensional accuracy of compartmental openings of windbox of once-through supercritical boilers. The windbox is a box type of welded structure consisting of a base plate welded with a plurality of web plates to form multiple compartments. These compartments are the provisions for the fuel and air to enter the boiler. All the compartmental openings of the windbox are to be critically maintained. There is a likelihood of change of dimensions of the compartments during fabrication because of welding induced distortion. The compartmental openings have to be checked during various stages of manufacture. Therefore, there is proposed in this invention, a method of developing a special device and an inspection technique for checking the compartmental dimensions of the windbox. The inspection device consists of a plurality of plates of width slightly lesser than width of the corresponding compartment of the windbox. These plates are then attached to a lengthy rod. This inspection device has to be lifted and inserted into the windbox after properly matching all the compartmental openings. If the compartmental openings are of the required length, then the plates attached to the rod shall easily pass through. In case of change of dimensions due to distortion, the plates attached to the rod in the inspection device will not pass through the compartmental openings thereby serving as quick inspection method.

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

(21) Application No.2215/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :08/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: A CLIMATE CONTROL APPARATUS

(51) International classification	:A61B5/00	(71)Name of Applicant:
(31) Priority Document No	:60/449800	1)ABREU, MARCIO, MARC, AURELIO, MARTINS
(32) Priority Date	:26/02/2003	Address of Applicant :72 HIGHLAND PARK ROAD,
(33) Name of priority country	:U.S.A.	NORTH HAVEN, CT 06473, UNITED STATES OF AMERICA
(86) International Application No	:PCT/US2004/005496	(72)Name of Inventor:
Filing Date	:26/02/2004	1)ABREU, MARCIO, MARC, AURELIO, MARTINS
(87) International Publication No	:WO2005/015163	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	INA	
(62) Divisional to Application Number	:1759/KOLNP/2005	
Filed on	:05/09/2005	

## (57) Abstract:

Support structures for positioning sensors on a physiologic tunnel for measuring physical, chemical and biological parameters of the body and to produce an action according to the measured value of the parameters. The support structure includes a sensor fitted on the support structures using a special geometry for acquiring continuous and undisturbed data on the physiology of the body. Signals are transmitted to a remote station by wireless transmission such as by electromagnetic waves, radio waves, infrared, sound and the like or by being reported locally by audio or visual transmission. The physical and chemical parameters include brain function, metabolic function, hydrodynamic function, hydration status, levels of chemical compounds in the blood, and the like. The support structure includes patches, clips, eyeglasses, head mounted gear and the like, containing passive or active sensors positioned at the end of the tunnel with sensing systems positioned on and accessing a physiologic tunnel.

No. of Pages: 338 No. of Claims: 7

(22) Date of filing of Application :08/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: A BRAIN TEMPERATURE TUNNEL AREA THERMO-SCANNER

<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>	:A61B5/00 :60/449800 :26/02/2003 :U.S.A. :PCT/US2004/005496 :26/02/2004 :WO2005/015163 :NA :NA	(71)Name of Applicant:  1)ABREU, MARCIO, MARC, AURELIO, MARTINS Address of Applicant: 72 HIGHLAND PARK ROAD, NORTH HAVEN, CT 06473, UNITED STATES OF AMERICA (72)Name of Inventor: 1)ABREU, MARCIO, MARC, AURELIO, MARTINS
(62) Divisional to Application Number Filed on	:1759/KOLNP/2005 :05/09/2005	

## (57) Abstract:

Support structures for positioning sensors on a physiologic tunnel for measuring physical, chemical and biological parameters of the body and to produce an action according to the measured value of the parameters. The support structure includes a sensor fitted on the support structures using a special geometry for acquiring continuous and undisturbed data on the physiology of the body. Signals are transmitted to a remote station by wireless transmission such as by electromagnetic waves, radio waves, infrared, sound and the like or by being reported locally by audio or visual transmission. The physical and chemical parameters include brain function, metabolic function, hydrodynamic function, hydration status, levels of chemical compounds in the blood, and the like. The support structure includes patches, clips, eyeglasses, head mounted gear and the like, containing passive or active sensors positioned at the end of the tunnel with sensing systems positioned on and accessing a physiologic tunnel.

No. of Pages: 337 No. of Claims: 4

(22) Date of filing of Application :08/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: A THERMAL IMAGING 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:26/02/2004 :WO2005/015163 :NA :NA	(71)Name of Applicant:  1)ABREU, MARCIO, MARC, AURELIO, MARTINS Address of Applicant: 72 HIGHLAND PARK ROAD, NORTH HAVEN, CT 06473, UNITED STATES OF AMERICA (72)Name of Inventor:  1)ABREU, MARCIO, MARC, AURELIO, MARTINS
(62) Divisional to Application Number Filed on	:1759/KOLNP/2005 :05/09/2005	

## (57) Abstract:

Support structures for positioning sensors on a physiologic tunnel for measuring physical, chemical and biological parameters of the body and to produce an action according to the measured value of the parameters. The support structure includes a sensor fitted on the support structures using a special geometry for acquiring continuous and undisturbed data on the physiology of the body. Signals are transmitted to a remote station by wireless transmission such as by electromagnetic waves, radio waves, infrared, sound and the like or by being reported locally by audio or visual transmission. The physical and chemical parameters include brain function, metabolic function, hydrodynamic function, hydration status, levels of chemical compounds in the blood, and the like. The support structure includes patches, clips, eyeglasses, head mounted gear and the like, containing passive or active sensors positioned at the end of the tunnel with sensing systems positioned on and accessing a physiologic tunnel.

No. of Pages: 338 No. of Claims: 10

(22) Date of filing of Application :28/07/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: A SYSTEM FOR ELECTRICITY GENERATION AND METHOD THERE OFF

(51) International classification	:F03B3/04	(71)Name of Applicant:
(31) Priority Document No	:NA	1)PRASANTA KARJEE
(32) Priority Date	:NA	Address of Applicant :VILL & P.O.: SOUD PARA, DIST:
(33) Name of priority country	:NA	ALIPURDUAR, P.S.: SAMUK TALA, PIN: 736121, WEST
(86) International Application No	:NA	BENGAL, INDIA.
Filing Date	:NA	2)KANAK KARJEE
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)PRASANTA KARJEE
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

This invention relates to a system for electricity generation and in particular, this invention relates to a system for electricity generation using nonconventional source. More particularly, this present invention relates to a system for electricity generation in which a motor is attached with two dynamo. Furthermore, this invention also relates to a system for electricity generation which has the beneficial effects of having saving manpower cost, reducing labor intensity, and having safety and reliability.

No. of Pages: 21 No. of Claims: 8

(22) Date of filing of Application :06/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : ANTENNA RECONFIGURATION FOR MIMO COMMUNICATIONS WHEN MULTIPLICATIVE NOISE LIMITED

<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>	:H04B7/04,H04B7/06 :13/714613 :14/12/2012 :U.S.A. :PCT/EP2013/068529 :07/09/2013 :WO 2014/090424 :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant: S 164 83 Stockholm Sweden (72)Name of Inventor: 1)NILSSON Andreas 2)ASPLUND Henrik 3)COLDREY Mikael 4)MEDBO Jonas 5)RIBACK Mathias 6)WERNER Karl
Filing Date	:NA :NA	

#### (57) Abstract:

The MIMO method and apparatus disclosed herein improve throughput conditions limited by multiplicative noise by reducing the gain of the data streams associated with one or more dominant signal paths between MIMO communication nodes. As used herein, multiplicative noise refers to any noise dependent on or proportional to a signal strength at a transmitting node and/or a receiving node of a wireless communication network. An additional method and apparatus are included for determining that multiplicative noise limits the throughput conditions.

No. of Pages: 51 No. of Claims: 57

(21) Application No.2166/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: VACCINE COMPOSITION COMPRISING IMMUNOGENIC POLYPEPTIDES

<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>		(71)Name of Applicant:  1)GLAXOSMITHKLINE BIOLOGICALS S.A. Address of Applicant: RUE DE L'INSTITUT 89, B-1330 RIXENSART BELGIUM (72)Name of Inventor:
Filing Date (87) International Publication No	:28/02/2008 :WO2008/107370	1)VOSS, GERALD HERMANN
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number Filed on	:3402/KOLNP/2009 :29/09/2009	

#### (57) Abstract:

The present invention relates to, inter alia, a method of raising an immune response against a pathogen which comprises administering (i) one or more first immunogenic polypeptides derived from said pathogen; (ii) one or more adenoviral vectors comprising one or more heterologous polynucleotides encoding one or more second immunogenic polypeptides derived from said pathogen; and (iii) an adjuvant; wherein the one or more first immunogenic polypeptides, the one or more adenoviral vectors and the adjuvant are administered concomitantly. The invention also relates to vaccines, pharmaceutical compositions, kits and uses employing said polypeptides, adenoviral vectors and adjuvants.

No. of Pages: 126 No. of Claims: 22

(22) Date of filing of Application :06/07/2015 (43) Publication Date : 29/01/2016

### (54) Title of the invention: PROCESS FOR RECOVERING CARBON DIOXIDE FROM COMBUSTION EXHAUST GAS

(51) International classification :B01D53/14,B01D53/34,C07C273/04

(31) Priority Document No :2013-023524 (32) Priority Date :08/02/2013

(33) Name of priority country :Japan

(86) International :PCT/JP2014/000410

Application No Filing Date :28/01/2014

(87) International Publication No :WO 2014/122894

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)TOYO ENGINEERING CORPORATION

Address of Applicant :1-5-1, Marunouchi, Chiyodaku, Tokyo,

1006511 JAPAN (72)Name of Inventor:

1)KOJIMA, Yasuhiko

### (57) Abstract:

In a chemical plant 100 including a carbon dioxide recovery unit 10 and a urea plant 11, the carbon dioxide recovery unit 10 treats combustion exhaust gas from a boiler B to separate and recover carbon dioxide. Low-pressure steam 33 generated in the urea plant 11 is supplied to the carbon dioxide recovery unit 10 as a heat source for its regeneration tower reboiler. Carbon dioxide 22 recovered in the carbon dioxide recovery unit 10 is sent to an EOR facility, a storage facility, and the like outside the plant. Thus, the low-pressure steam generated in the urea plant 11 is effectively used as a heat source for the carbon dioxide recovery unit 10.

No. of Pages: 22 No. of Claims: 10

(21) Application No.2168/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: USE OF INOS INHIBITORS TO INCREASE VIRAL YIELD IN CULTURE

<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</li> </ul>	:61/750,175 :08/01/2013 :U.S.A. :PCT/US2014/010553 :07/01/2014 :WO 2014/110053 :NA	(71)Name of Applicant:  1)GENZYME CORPORATION  Address of Applicant:500 Kendall Square, Cambridge, MA 02142 UNITED STATES OF AMERICA (72)Name of Inventor:  1)PECHAN, Peter 2)ARDINGER, Jeffery 3)SCARIA, Abraham 4)WADSWORTH, Samuel
(61) Patent of Addition to Application		· · · · · · · · · · · · · · · · · · ·

### (57) Abstract:

The use of iNOS inhibitors, including aurintricarboxylic acid, dexamethasone and valproic acid, to increase the yield of a variety of viruses in culture, including recombinant herpesviruses is described.

No. of Pages: 69 No. of Claims: 14

(21) Application No.2169/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/07/2015 (43) Publication Date: 29/01/2016

### (54) Title of the invention: VEHICLE MOUNTED CRANE BOOM ASSEMBLY WITH A DIELECTRIC BOOM ARM

(51) International :B66F11/04,B66C13/40,B66C23/04

classification

(31) Priority Document No :61/734,916 (32) Priority Date :07/12/2012 (33) Name of priority country: U.S.A. (86) International Application :PCT/CA2013/050946

:09/12/2013

Filing Date (87) International Publication

:WO 2014/085937

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(71) Name of Applicant:

1)LINEPRO EQUIPMENT LTD.

Address of Applicant: 4611 Glenmore Road, Abbotsford,

British Columbia V4X 1X6 CANADA

(72) Name of Inventor:

1)EWERT, Larry

#### (57) Abstract:

A hydraulic boom assembly comprises a base and a first boom arm extending from the base. A second boom arm is pivotably coupled to the first boom arm. There is a hydraulic system for actuating the first boom arm between an extended position and a retracted position, and for pivoting the second boom arm. A work platform is coupled to the second boom arm. The work platform is provided with a brake mechanism that is independent of the hydraulic system for actuating the first boom arm and pivoting the second boom arm.

No. of Pages: 39 No. of Claims: 14

(22) Date of filing of Application :28/07/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention : A METHOD OF INSTALLING FLEXIBLE SOLAR PANELS FOR SOLAR POWER PLANT ADAPTED TO FLOAT ON WATER

(51) International classification	:H01L31/042	(71)Name of Applicant:
(31) Priority Document No	:NA	1)BHARAT HEAVY ELECTRICALS LIMITED
(32) Priority Date	:NA	Address of Applicant :REGIONAL OPERATIONS
(33) Name of priority country	:NA	DIVISION(ROD), PLOT NO:9/1, DJ BLOCK 3RD FLOOR,
(86) International Application No	:NA	KARUNAMOYEE, SALTLAKE, KOLKATA-700091, HAVING
Filing Date	:NA	ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI FORT,
(87) International Publication No	: NA	NEW DELHI - 110049, INDIA. West Bengal India
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)BAYYARAPU RAVI KUMAR
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method of installing flexible solar panels for solar power plant adapted to place on land or to float on water, the method comprising the steps of: constructing a geometrical shaped carrier filled with air or nitrogen; placing the geometrical shaped carrier filled with air or nitrogen in a direction to absorb the Sun rays incident on it; mounting of solar panels on the upper surface of the said carrier to expose the maximum surface area of the solar cells to the direct Sun rays; mounting of the solar panels such that they are slowly oriented towards the Sun rays through consistent tilting of the total panel surface under the dynamic forces.

No. of Pages: 37 No. of Claims: 15

(22) Date of filing of Application :23/01/2015 (43) Publication Date : 29/01/2016

### (54) Title of the invention: ENSURING CONSISTENCY OF DERIVED DATA IN A DISTRIBUTED STORAGE SYSTEM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:G06F3/06 :14/341,389	
(32) Priority Date	:25/07/2014	Tr
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:U.S.A. :NA	MOUNTAIN VIEW, CA 94043 UNITED STATES OF AMERICA
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)YUN SUN
(61) Patent of Addition to Application Number	:NA	2)ABRAHAM SEBASTIAN
Filing Date	:NA	3)MOHAMMAD MOHSENZADEH
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A system, methods, and appararusare provided for ensuring consistency of derived data, relative to primary data, in a distributed data storage system. Primary data and derived data are stored on and/or managed by separate components of the data storage system, such as different storage engines. Primary data are written and updated as specified in write requests, which may be queries directed at the primary storage engine. Results of primary data writes are delivered directly to the derived storage engine. If an update to derived data fails, a record is made; if the update succeeds, any recorded failed writes to the same data are cleared. The derived storage engine also receives write results via a change capture stream of events affecting the primary data, and can use these copies of write results to fix failed updates and to clear failures from the failed write records.

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

(21) Application No.778/KOL/2014 A

(19) INDIA

(22) Date of filing of Application :21/07/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention: AIR COMPRESSOR HAVING COMPACT 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> </ul>	:102126174 :22/07/2014 :Taiwan :NA :NA	
<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:

An air compressor device includes a cylinder housing and a supporting plate, a piston engaged in the cylinder housing and having a piston rod, a gear and an eccentric member attached to the supporting plate with a shaft, the eccentric member includes an eccentric pin coupled to the piston rod, and a motor includes a protrusion engaged into an orifice of the supporting plate and includes a spindle extended out of the protrusion and extended through the orifice of the supporting plate, and includes a pinion attached to the spindle and engaged with the gear, and the pinion includes an outer diameter (D) greater than an outer diameter (d) of the protrusion of the motor.

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

(22) Date of filing of Application :02/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: SYSTEMS AND PROCESSES FOR EYE MOISTURIZING DURING OCULAR SURGERY

<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 Filing Date</li> </ul>	:A61F9/007 :61/774,372 :07/03/2013 :U.S.A. :PCT/US2014/015246 :07/02/2014 :WO 2014/137536 :NA :NA :NA	(71)Name of Applicant:  1)ALCON RESEARCH, LTD.  Address of Applicant:6201 South Freeway, Fort Worth, TX 76134 UNITED STATES OF AMERICA (72)Name of Inventor:  1)SCHALLER, Philipp
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#### (57) Abstract:

Various systems and techniques may be used for moisturizing an eye during ocular surgery. In particular implementations, a system and a technique for moisturizing an eye may include the ability to determine whether an eye should be moisturized during ocular surgery and to activate a fluid control device if an eye should be moisturized. The activation of the fluid control device may allow fluid flow from a fluid reservoir to a fluid nozzle coupled to a nozzle mounting device adapted to hold the fluid nozzle stable relative to a patients eye. The system and the technique may also include the ability to deactivate the fluid control device.

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

(21) Application No.2128/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: SYSTEMS AND METHODS FOR OCULAR SURGERY

<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) Petent of Addition to Application</li> </ul>	:A61F9/007 :61/793,840 :15/03/2013 :U.S.A. :PCT/US2014/027307 :14/03/2014 :WO 2014/152405	(71)Name of Applicant:  1)NOVARTIS AG  Address of Applicant: Lichtstrasse 35, CH-4056 Basel SWITZERLAND (72)Name of Inventor:  1)SUSSMAN, Glenn
Filing Date	:14/03/2014	
Filing Date  (62) Divisional to Application Number  Filing Date	:NA :NA :NA	

#### (57) Abstract:

Ocular surgery may be performed by a variety of systems, processes, and techniques. In certain implementations, systems and processes for ocular surgery may include the ability to emulsify a lens in an eye using a modular hand-held system including a phacoemulsification unit detachably coupled to a pump unit and remove lens portions from the eye using suction provided by the pump unit. The system and the process may also include the ability to decouple the phacoemulsification unit from the pump unit, couple an irrigation-aspiration unit to the pump unit to form a second hand-held system, and remove material from the eye using suction provided by the pump unit.

No. of Pages: 25 No. of Claims: 8

(21) Application No.2129/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/07/2015 (43) Publication Date : 29/01/2016

### (54) Title of the invention: NOVEL COMB POLYMERS THAT CAN BE USED IN COSMETICS AND IN DETERGENCY

<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>	:29/01/2014 :WO 2014/118465 :NA :NA	(71)Name of Applicant:  1)S.P.C.M. SA  Address of Applicant: ZAC de Milieux F 42160 Andrezieux  Boutheon France (72)Name of Inventor:  1)BLONDEL Frédéric 2)SANNA Antonin
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a hydrosoluble copolymer comprising, in weight percent in relation to the total weight of the copolymer: between 1 and 40 of at least one cationic monomer; between 59.99 and 98 of at least one non-ionic monomer; and between 0.01 and 10 of at least one monomer of formula (I) wherein:  $R_1$  is a hydrogen atom or a methyl radical; Z is a divalent group -C(=O)-O-, or -C(=O)-NH-; -n is a whole number between 2 and 200;  $R_2$  is a hydrogen atom or a carbonated radical that is saturated or unsaturated, and optionally aromatic, linear, branched or cyclic, comprising between 1 and 30 carbon atoms, and between 0 and 4 heteroatoms selected in the group comprising O, N and S; the copolymer comprising a cationic charge density of between 0.05 and 3 meq/g.

No. of Pages: 22 No. of Claims: 9

(22) Date of filing of Application :03/07/2015 (43) Publication Date : 29/01/2016

:09/10/2009

### (54) Title of the invention: METHOD FOR MANUFACTURING NEURAMINIC ACID DERIVATIVES

(51) International classification :C07D 309/28 (71)Name of Applicant: (31) Priority Document No 1) DAIICHI SANKYO COMPANY LIMITED, :2007-103585 (32) Priority Date :11/04/2007 Address of Applicant: 3-5-1, NIHONBASHI HONCHO, (33) Name of priority country CHUO-KU, TOKYO 103-8426, JAPAN :Japan (86) International Application No :PCT/JP2008/057557 (72)Name of Inventor : :11/04/2008 1)NAKAMURA, YOSHITAKA Filing Date (87) International Publication No :WO 2008/126943 2)MURAKAMI, MASAYUKI (61) Patent of Addition to Application 3)YAMAOKA MAKOTO :NA Number 4)WAKAYAMA, MASAKAZU :NA Filing Date 5) UMEO KAZUHIRO (62) Divisional to Application Number :3530/KOLNP/2009

#### (57) Abstract:

Filed on

A method for manufacturing neuraminic acid derivatives is provided, also synthetic intermediates of the neuraminic acid derivatives and methods for their manufacture, and neuraminic acid derivatives having high purity. [Means for solution] A synthetic intermediate compound represented by the formula (7) is provided: [wherein R3 represents alkyl; R4 and R5 each represents H, alkyl, phenyl, or together represent tetramethylene, pentamethylene, oxo].

No. of Pages: 96 No. of Claims: 17

(22) Date of filing of Application :03/07/2015 (43) Publication Date : 29/01/2016

### (54) Title of the invention: METHOD FOR MANUFACTURING NEURAMINIC ACID DERIVATIVES

(51) International classification :C07D 309/28 (71)Name of Applicant: (31) Priority Document No 1) DAIICHI SANKYO COMPANY LIMITED, :2007-103585 (32) Priority Date :11/04/2007 Address of Applicant: 3-5-1, NIHONBASHI HONCHO, (33) Name of priority country CHOU-KU, TOKYO 103-8426, JAPAN :Japan (86) International Application No :PCT/JP2008/057557 (72)Name of Inventor : :11/04/2008 1)NAKAMURA, YOSHITAKA Filing Date (87) International Publication No :WO 2008/126943 2)MURAKAMI, MASAYUKI (61) Patent of Addition to Application 3)YAMAOKA MAKOTO :NA Number 4)WAKAYAMA, MASAKAZU :NA Filing Date 5) UMEO KAZUHIRO (62) Divisional to Application Number :3530/KOLNP/2009 Filed on :09/10/2009

#### (57) Abstract:

A method for manufacturing neuraminic acid derivatives is provided, also synthetic intermediates of the neuraminic acid derivatives and methods for their manufacture, and neuraminic acid derivatives having high purity. [Means for solution] A synthetic intermediate compound represented by the formula (7) is provided: [wherein R3 represents alkyl; R4 and R5 each represents H, alkyl, phenyl, or together represent tetramethylene, pentamethylene, oxo].

No. of Pages: 88 No. of Claims: 4

(22) Date of filing of Application :21/07/2014 (43) F

(43) Publication Date: 29/01/2016

# (54) Title of the invention : A SUBMERGED ARC WELDING PROCESS TO INCREASE END THICKNESS OF THE REDUCERS AND STRAIGHT PIPES WHICH ELIMINATE MANUAL GRINDING PARTICULARLY IN LOW ALLOY MATERIALS

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number : N	(71)Name of Applicant:  1)BHARAT HEAVY ELECTRICALS LIMITED Address of Applicant: REGIONAL OPERATIONS DIVISION(ROD) PLOT NO:9/1, DJ BLOCK 3RD FLOOR KARUNAMOYEE, SALT LAKE CITY, KOLKATA-700091 HAVING ITS REGISTERED OFFICE AT BHEL HOUSE SIRI FORT, NEW DELHI - 110049, INDIA. West Bengal India (72)Name of Inventor:  1)AMIRTHAM ANTHONY ADIMAI 2)MUTHUSAMY MURUGANATHAM 3)GANESAN SENTHILKUMAR 4)RAMAKRISHNAN VENKATARAMAN 5)RENGARAJU RAGUPATHY 6)GENGAN MOHAN
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#### (57) Abstract:

The invention relates a method of metal deposition inside the pipes and reducers to increase thickness to a length of 50mm on both ends, Comprising the steps of: fixing an angle plate assembly (01, 02, 03) in a supporting plate (06) which is attached to a vertical column (11) of the submerged arc welding machine; clubbing together a flux hopper (07), a welding torch (08), and a motor (09) and attaching with the angel plate assembly for rotating to required angle of 45 deg; rotating the angle plate assembly by locking an alien screw (05) and after rotation, tightening a second alien screw (04) to start the deposition; and depositing the metal to a length of 50 mm on a single end by obtaining a linear motion of the workpiece by activating the control panel of the machine.

No. of Pages: 11 No. of Claims: 1

(21) Application No.2149/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: MODIFIED ACE2 POLYPEPTIDES

<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>	:61/752,023 :14/01/2013 :U.S.A. :PCT/EP2014/050457 :13/01/2014 :WO 2014/108530 :NA :NA	(71)Name of Applicant:  1)APEIRON BIOLOGICS AG Address of Applicant: Wien, Campus-Vienna-Biocenter 5, A- 1030 Austria (72)Name of Inventor: 1)LOIBNER, Hans 2)PEBALL, Bernhard 3)SCHUSTER, Manfred 4)STRANNER, Stefan
Filing Date		4)SI KAINIEK, Steian

### (57) Abstract:

The present invention relates to modified angiotensin converting enzyme 2 (ACE2) polypeptides and pharmaceutical and analytical uses thereof. In particular, the present invention relates to Zn2+ depleted-, Zn2+ free-, mixed metal- and metal ion substituted-ACE2 as well as methods for the manufacture of these variants and uses thereof, such as therapeutic and analytic uses of these ACE2 variants.

No. of Pages: 31 No. of Claims: 34

(21) Application No.2150/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/07/2015

(43) Publication Date: 29/01/2016

# (54) Title of the invention: REASSORTANT INFLUENZA A VIREN

(51) International classification	:A61K39/145	(71)Name of Applicant:
(31) Priority Document No	:61/732,809	1)NOVARTIS AG
(32) Priority Date	:03/12/2012	Address of Applicant :Lichtstrasse 35, CH-4056 Basel
(33) Name of priority country	:U.S.A.	SWITZERLAND
(86) International Application No	:PCT/EP2013/075294	2)SYNTHETIC GENOMICS VACCINES, INC.
Filing Date	:02/12/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2014/086732	1)MASON, Peter
(61) Patent of Addition to Application	:NA	2)DORMITZER, Philip Ralph
Number	:NA	3)TRUSHEIM, Heidi
Filing Date	.11/1	4)SUPHAPHIPHAT, Pirada
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

New influenza donor strains for the production of reassortant influenza A viruses are provided.

No. of Pages: 50 No. of Claims: 56

(21) Application No.723/KOL/2015 A

(19) INDIA

(22) Date of filing of Application :02/07/2015 (43) Publication Date : 29/01/2016

### (54) Title of the invention : GLASSES HOLDER CASE

<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>	:2014- 150018 :23/07/2014 :Japan :NA :NA :NA	(71)Name of Applicant:  1)CHIDORIYA SOUKE CO., LTD.  Address of Applicant: 26-4, 3-CHOME, TSUKAGUCHI- CHO, AMAGASAKI-CITY, HYOGO-PREFECTURE, JAPAN (72)Name of Inventor:  1)TASHICHIRO HARADA
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An glasses holder case, comprises: a sheet member, which is folded up into two (2) along an upper peripheries of both lenses of a pair of glasses, and thereby covering said both lenses and nose pads from front and rear thereof; and detachable members, which are provided on opposing surfaces of a main body of the sheet member, around at a middle position between the both lenses and the nose pads, wherein the sheet member has a shape of being nearly oblong, so as to cover the both lenses and the nose pads from the front and the rear thereof; cut-out is provided for allowing the nose pads to project outside when the nose pads touch thereon, in part of the sheet member; the detachable members are made of fastener tapes, magnet plates or magnet hooks; a Fresnel lens for functioning as a magnifying glass is further provided in a part of the sheet member folded into two (2); and a cloth member is provided lying between the part of the sheet member and the Fresnel lens.

No. of Pages: 29 No. of Claims: 6

(22) Date of filing of Application :06/07/2015 (43) Publication Date: 29/01/2016

### (54) Title of the invention: SYSTEM AND METHOD FOR THERMALLY ROBUST ENERGY STORAGE SYSTEM

(51) International :H01M10/6569,H01M10/6563,H01M10/655 classification

(31) Priority

:61/782,282 Document No (32) Priority Date :14/03/2013

(33) Name of priority :U.S.A.

country

(86) International Application No

:PCT/US2014/020986

Filing Date

:06/03/2014 (87) International

Publication No

:WO 2014/158938

(61) Patent of

Addition to :NA Application Number :NA

Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)ALLISON TRANSMISSION, INC.

Address of Applicant : One Allison Way, Indianapolis, IN

46222 UNITED STATES OF AMERICA

(72)Name of Inventor:

1)BASS, Edward

2)BAILEY, Felice, E.

3)BLETSIS, Richard

4) DELRYMPLE, Derek, A.

5)FORD, Dean, M.

6)MILLER, Bruce, E.

7) NAEGELI, Markus

8) REYBURN, Steven, T.

# (57) Abstract:

Various systems for cooling a battery cell array are described. In one example an energy storage system includes a housing enclosing a battery cell array, an evaporator, and a circulating pump. In another example, an evaporator adjacent to battery cells to facilitate heat transfer. In another example, thermoelectric elements are positioned adjacent to battery cells to facilitate heat transfer.

No. of Pages: 28 No. of Claims: 22

(22) Date of filing of Application :06/07/2015 (43) Publication Date: 29/01/2016

### (54) Title of the invention: FLUID BATH COOLED ENERGY STORAGE SYSTEM

:H01M10/656,H01M10/613 (71)Name of Applicant : (51) International classification

(31) Priority Document No :61/781,406 (32) Priority Date :14/03/2013 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2014/020572

Filing Date :05/03/2014 (87) International Publication No :WO 2014/158857

(61) Patent of Addition to Application :NA :NA Filing Date

(62) Divisional to Application :NA Number

:NA Filing Date

1)ALLISON TRANSMISSION, INC.

Address of Applicant : One Allison Way, Indianapolis, IN

46222 UNITED STATES OF AMERICA

(72)Name of Inventor:

1)YOUNGS, Daniel, J. 2)SILVA, Jorge, E.

3)BASS, Edward

#### (57) Abstract:

An energy storage system includes a container enclosing a battery cell array and having a fluid which surrounds the battery cell array. The system can include a refrigeration system to increase heat energy transfer from the battery cells. The system can include an external fluid loop configured to carry the fluid externally from the container through a heat exchanger. The system can also include a wall having a communication port which is configured to connect with an enclosure and convey electric signals through the wall.

No. of Pages: 33 No. of Claims: 31

(22) Date of filing of Application :06/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : SYSTEMS METHODS AND COMPUTER PROGRAM PRODUCTS FOR A SOFTWARE BUILD AND LOAD PROCESS USING A COMPILATION AND DEPLOYMENT SERVICE

(51) International classification
(31) Priority Document No
(32) Priority Date
(33) Name of priority country
(86) International Application No
Filing Date
:G06F9/44,G06F9/445
:61/737605
:14/12/2012
:U.S.A.
:PCT/EP2013/076506
:13/12/2013

(87) International Publication No :WO 2014/090982

(61) Patent of Addition to Application
Number
Filing Date
:NA

(62) Divisional to Application Number :NA Filing Date :NA

(71)Name of Applicant:

1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)

Address of Applicant :SE 164 83 Stockholm Sweden

(72)Name of Inventor: 1)JOHANSSON Bengt 2)PETTERSSON Sten 3)ANDERSSON Per 4)CHATILA Abdallah 5)FRANZÈ^N Anders

6)MALOY Jon 7)NILSSON Tord 8)HAMMAM Tarik 9)TREMBLAY Richard

### (57) Abstract:

Systems, methods, and computer program products for a software build and load process using a compilation and deployment service(300). A method for a software build and load process using a compilation and deployment service(300) includes receiving, at the service, new software. The method further includes comparing, at the service (300), the received new software with data in a database(525, 725), wherein the data comprises active software. The method further includes merging, at the service(300), said new software and active software into one or more load modules (330, 550a, 550b) based on the comparison. The method further includes deploying the one or more load modules to one or more target processing units(340, 400, 410).

No. of Pages: 37 No. of Claims: 24

(22) Date of filing of Application :04/07/2015 (43) Publication Date : 29/01/2016

### (54) Title of the invention: METHOD AND DEVICE FOR MEASURING SIGNAL IN BEAM FORMING SYSTEM

(51) International classification :H04W16/28,H04W24
(31) Priority Document No :1020130004602
(32) Priority Date :15/01/2013
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2014/000435

Filing Date :15/01/2014 (87) International Publication No :WO 2014/112789

(61) Patent of Addition to Application
Number
Filing Date
(62) Principles of Application Number
(63) Principles of Application Number (63)

(62) Divisional to Application Number :NA Filing Date :NA

:H04W16/28,H04W24/10 (71)Name of Applicant :

1)SAMSUNG ELECTRONICS CO. LTD.

Address of Applicant :129 Samsung ro Yeongtong gu Suwon

si Gyeonggi do 443 742 Republic of Korea

(72)Name of Inventor:
1)JUNG Jungsoo
2)YU Hyunkyu
3)CHANG Youngbin

(57) Abstract:

A method and a device for measuring a signal in a beam forming system. A method of measuring a signal by using beam forming by a wireless communication mobile station includes: acquiring a group setting rule that is a criterion for group classification; measuring a signal for each of transmission/reception beam pairs for a preset period of time; classifying the transmission/reception beam pairs into two or more transmission/reception beam groups according to the measured signal and the group setting rule; and performing signal measurement and report for the transmission/reception beam pairs belonging to the respective transmission/reception beam groups according to a measurement rule corresponding to the corresponding transmission/reception beam group. The device and the method efficiently measure the signal.

No. of Pages: 62 No. of Claims: 28

(21) Application No.2157/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/07/2015

(43) Publication Date: 29/01/2016

#### (54) Title of the invention: PYRIDONE COMPOUND

:2012267008

:06/12/2012

:06/12/2013

:PCT/JP2013/082763

:WO 2014/088085

:Japan

:NA

:NA

:NA

(51) International

:C07D213/82,A61K31/4545,A61P17/00

classification

(31) Priority Document

(32) Priority Date (33) Name of priority

country

(86) International

Application No Filing Date

(87) International

Publication No

(61) Patent of Addition to :NA **Application Number** 

Filing Date (62) Divisional to

**Application Number** Filing Date

(57) Abstract:

(71)Name of Applicant:

1)KYOWA HAKKO KIRIN CO. LTD.

Address of Applicant: 1 6 1 Ohtemachi Chiyoda ku Tokyo

1008185 Japan

(72) Name of Inventor:

1)NAKAMURA Rina

2)ARATAKE Seiji 3)UCHIDA Kenji

4)UENO Kimihisa

5)MOTOSAWA Maasa

6)KABEYA Takahiro

This pyridone compound or a pharmaceutically acceptable salt thereof is useful, for example, as a prophylactic and/or therapeutic agent for skin diseases and the like. The present invention provides a pyridone compound represented by general formula (I) or a pharmaceutically acceptable salt thereof or the like, which is useful as a prophylactic and/or therapeutic agent for skin diseases. (In the formula, R1 represents an optionally substituted cycloalkyl group or the like; R2 represents a hydrogen atom or the like; R3 represents a hydroxy group or the like; and R4A represents formula (R4A-1) (wherein R4 and R5 may be the same or different and each represents a hydrogen atom or the like) or the like.)

No. of Pages: 148 No. of Claims: 30

(22) Date of filing of Application :04/07/2015 (43) Publication Date : 29/01/2016

### (54) Title of the invention: APPARATUS AND METHOD FOR CONTROLLING CONTROL OVERLOAD IN WLAN SYSTEMS

(51) International classification :H04W28/08,H04W48/06,H04W80/10

(31) Priority Document No :1020130079691 (32) Priority Date :08/07/2013

(33) Name of priority country :Republic of Korea

(86) International :PCT/KR2014/006070

Application No Filing Date :07/07/2014

(87) International

Publication No :WO 2015/005629

:NA

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to
Application Number

NA
:NA
:NA
:NA

/2014 4)BAEK Youngkyo

(57) Abstract:

Filing Date

The present disclosure relates to a technology for providing a service of effectively transmitting and receiving data by simultaneously using a 3GPP system and a non-3GPP system in a network in which the 3GPP system and the non-3GPP system coexist. A communication method of a non-3GPP access network entity according to embodiments of the present disclosure includes receiving overload status information from a gateway; receiving a session management request message from a user equipment (UE); and transmitting a session management reject message comprising a back-off timer to the UE. According to the embodiment of the present disclosure, when a specific PDN (or APN) is overloaded, the overload state can be controlled.

No. of Pages: 39 No. of Claims: 30

### 1)SAMSUNG ELECTRONICS CO. LTD.

Address of Applicant :129 Samsung ro Yeongtong gu Suwon

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(72)Name of Inventor:
1)JEONG Sangsoo
2)CHO Songyean
3)BAE Beomsik

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

(43) Publication Date: 29/01/2016

# (54) Title of the invention : APPARATUS AND METHOD FOR GENERATING A FREQUENCY ENHANCED SIGNAL USING TEMPORAL SMOOTHING OF SUBBANDS

(51) International classification (31) Priority Document No	:G10L21/038 :61/758090	(71)Name of Applicant: 1)FRAUNHOFER GESELLSCHAFT ZUR FÖRDERUNG
(32) Priority Date	:29/01/2013	DER ANGEWANDTEN FORSCHUNG E.V.
(33) Name of priority country	:U.S.A.	Address of Applicant :Hansastraße 27c 80686 München
(86) International Application No	:PCT/EP2014/051601	Germany
Filing Date	:28/01/2014	(72)Name of Inventor:
(87) International Publication No	:WO 2014/118160	1)DISCH Sascha
(61) Patent of Addition to Application	:NA	2)GEIGER Ralf
Number	:NA	3)HELMRICH Christian
Filing Date	.INA	4)MULTRUS Markus
(62) Divisional to Application Number	:NA	5)SCHMIDT Konstantin
Filing Date	:NA	

#### (57) Abstract:

An apparatus for generating a frequency enhancement signal (130) comprises: a signal generator (200) for generating an enhancement signal from a core signal (120, 110), the enhancement signal comprising an enhancement frequency range not included in the core signal, wherein a current time portion (320, 340) of the enhancement signal or the core signal comprises subband signals for a plurality of subbands; a controller (800) for calculating the same smoothing information (802) for the plurality of subband signals of the enhancement frequency range or the core signal, and wherein the signal generator (200) is configured for smoothing the plurality of subband signals of the enhancement frequency range or the core signal using the same smoothing information (802).

No. of Pages: 47 No. of Claims: 13

(22) Date of filing of Application :25/07/2014

(43) Publication Date: 29/01/2016

# (54) Title of the invention : A UNIVERSAL WORK PIECE ADAPTOR FOR CLAMPING THE RECTANGULAR BAR ON 2-SPINDLE 5-AXIS MACHINES WORKABLE FROM BOTH SIDES OF ADAPTOR.

(51) International classification :b24b1 (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA Filing Date :NA	(71)Name of Applicant:  1)BHARAT HEAVY ELECTRICALS LIMITED Address of Applicant: REGIONAL OPERATIONS DIVISION(ROD), PLOT NO:9/1, DJ BLOCK, 3RD FLOOR, KARUNAMOYEE, SALT LAKE CITY, KOLKATA-700091, HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI FORT, NEW DELHI - 110049, INDIA. West Bengal India (72)Name of Inventor:  1)RAJIV KUMAR RAJAK 2)VIJAY KR. CHUGH. 3)JITENDRA KR. SHARMA
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### (57) Abstract:

An adaptor is disposed with a new referencing slot (6) and a new referencing hole (7) opposite to the existing referencing slot (4) and referencing hole (5) on the adaptor for facilitating the machine to hold the adaptor from other side. The new referencing slot (6) and referencing hole (7) are disposed for maintaining the position of blank at pre-defined position inside the machine from the other side of the adaptor.

No. of Pages: 11 No. of Claims: 1

(22) Date of filing of Application :22/07/2014 (43) Publication Date : 29/01/2016

# (54) Title of the invention : A COMPACT AND PORTABLE CAMERA SYSTEM TO VIEW IN REAL TIME THE BURDEN PROFILE, GAS PROFILE AND HOT SPOT GENERATION INSIDE A BLAST FURNACE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:NA :NA	(71)Name of Applicant:  1)TATA STEEL LIMITED  Address of Applicant: RESEARCH AND DEVELOPMENT
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:NA :NA	AND SCIENTIFIC SERVICES DIVISION, JAMSHEDPUR-831001, INDIA Bihar
Filing Date (87) International Publication No	:NA : NA	(72)Name of Inventor: 1)ANINDYA SARKAR
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)PRABAL PATRA 3)SISTLA SATYANARAYANA
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to compact and portable camera system to view in real time the burden profile, gas profile and hot spot generation inside a blast furnace, the system comprising a plurality of flanges to install an image capture unit of the system, the unit being exposed to the hazardous operating conditions of the boiler; and a triplet lens disposed at an opposite end of the image capture unit to focus the captured images to a close-circuit display device (CCD).

No. of Pages: 12 No. of Claims: 5

(22) Date of filing of Application :22/07/2014 (43) Publication Date : 29/01/2016

### (54) Title of the invention: INTERRUPTER DEVICE WITH RELATIVE DUAL MOTION CONTACT SYSTEM

(51) International classification	:H01H33/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)BHARAT HEAVY ELECTRICALS LIMITED
(32) Priority Date	:NA	Address of Applicant :REGION CAL OPERATIONS
(33) Name of priority country	:NA	DIVISION(ROD), PLOT NO:9/1, DJBLOCK 3RD FLOOR,
(86) International Application No	:NA	KARUNAMOYEE,SALTLAKE CITY, KOLKATA-700091,
Filing Date	:NA	HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI
(87) International Publication No	: NA	FORT, NEW DELHI - 110049, INDIA. West Bengal India
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DR.MANDAVA MOHANA RAO
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An interrupter device to improve interrupting performance for high voltage circuit breakers comprising a first movable contact assembly wherein comprises a socket (1) encapsulated by a insulating shroud (3); the said socket being held on a support or protection volume (2) and a dynamic current carrying contact assembly (4) wherein the socket contact assembly (1, 2, 3) and dynamic contact (4) being coupled by a nozzle (5) a second movable contact assembly (6), disposed within a dynamic field controlled electrode (7) and the said arrangement is positioned inside a static current carrying contact assembly wherein comprises a static current carrying contact (8) and static CC contact shield (9) three coherent volumes to effectuate steady wherein the gas flow rate at the time of interruption third volume (14) is coupled in series with the said protection volume (2) wherein the main drive is coupled to dynamic field controlled electrode to effectuate relative motion contact system.

No. of Pages: 33 No. of Claims: 4

(22) Date of filing of Application :06/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : SAWING SYSTEM, SAWING SUPPORT STRUCTURE AND A WIRE REPLACEMENT UNIT AND METHOD

(51) International classification :B23D57/00,E02B17/00 (71)Name of Applicant : (31) Priority Document No :20121560 1)1 DIAMOND, LLC (32) Priority Date Address of Applicant: 2711 Centerville Rd Ste 400, :28/12/2012 (33) Name of priority country Wilmington, DE UNITED STATES OF AMERICA :Norway (86) International Application No :PCT/US2013/078047 (72) Name of Inventor: Filing Date :27/12/2013 1)RAMFJORD, Harald (87) International Publication No :WO 2014/106081 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

A leg cutting system with a leg support clamp (2) with a height h for maintaining a structural integrity of the leg (1) during and after the leg (1) is cut. The system includes at least two leg support clamp parts allowing the leg support clamp (2) to be installed around the leg (1). The at least two leg support clamp parts are joined in at least one clamp structure joint (11) with releasable mechanical fasteners for joining or releasing the at least two leg support clamp parts along the at least one clamp structure joint. A wire saw (6) with a wire saw support frame (7) and longitudinal saw tracks (16) for longitudinal displacement of the sawing wire along said longitudinal saw tracks (16) can be fixed to the leg support clamp. A wire replacement unit (9) with a plurality of sawing wires with a joint allowing the wires to be joined is located adjacent the wire saw. The embodiment(s) furthermore relates to a leg support clamp.

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

(21) Application No.2178/KOLNP/2015 A

(19) INDIA

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

(43) Publication Date: 29/01/2016

# (54) Title of the invention: CYCLOALKYNE DERIVATIZED SACCHARIDES

(51) International :A61K38/00,C08B37/00,A61K47/48 classification

(31) Priority Document No :1300707.5 (32) Priority Date :15/01/2013

(33) Name of priority :U.K. country

(86) International :PCT/EP2014/050483

Application No :13/01/2014 Filing Date

(87) International Publication: WO 2014/111344

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)GLAXOSMITHKLINE BIOLOGICALS SA

Address of Applicant :Rue de l'Institut 89 B-1330 Rixensart

**BELGIUM** 

(72)Name of Inventor: 1)ADAMO, Roberto 2) BERTI, Francesco 3)HU, Qi-Ying

(57) Abstract:

The invention provides novel saccharide derivatives, conjugates, and methods for making the derivatives and conjugates.

No. of Pages: 72 No. of Claims: 40

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

(43) Publication Date: 29/01/2016

# (54) Title of the invention : PRECODER WEIGHT SELECTION FOR MIMO COMMUNICATIONS WHEN MULTIPLICATIVE NOISE LIMITED

#### (57) Abstract:

The method and apparatus disclosed herein improve throughput conditions limited by multiplicative noise by determining precoder weights for each data stream communicated between a MIMO transmitter node and a MIMO receiver node. The precoder weights are determined based on information derived from non precoded reference symbols to decrease the energy allocated to the dominant signal path relative to the energy allocated to the non dominant signal paths.

No. of Pages: 48 No. of Claims: 37

(21) Application No.674/KOL/2015 A

(19) INDIA

(22) Date of filing of Application :18/06/2015 (43) Publication Date : 29/01/2016

### (54) Title of the invention: PORTABLE AIR COMPRESSOR

<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>	:103122391 :27/06/2014 :Taiwan :NA :NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A portable air compressor includes a box and a compressor unit accommodated in the box. The compressor unit includes a main frame, a cylinder fitted with a piston body, a motor, and a transmission mechanism. The motor drives the transmission mechanism to have the piston body conduct reciprocating motion in the cylinder to produce compressed air, which is transferred to an air storage container. The cylinder and the main frame are integrally formed of plastic. The cylinder defines an exit hole communicating with an inner space thereof. A metal seat is integrally formed at the cylinder. The central hole of the metal seat communicates with the exit hole of the cylinder. A plug is urged by a compression spring to seal the central hole of the metal seat. The metal seat can endure high temperature within the cylinder to ensure air-tightness between the plug and the metal seat.

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

(22) Date of filing of Application :29/06/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: TERMINAL AND SPECIFIED CONTENT DELETION 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</li> </ul>	:H04W4/14 :NA :NA :NA :PCT/CN2012/087341 :24/12/2012 :WO 2014/100956	(71)Name of Applicant:  1)DONGGUAN YULONG TELECOMMUNICATION TECH CO. LTD.  Address of Applicant: The C area North Industry City Songshan Lake High Tech Industrial Development Zone Dongguan Guangdong 523808 China  2)YULONG COMPUTER TELECOMMUNICATION SCIENTIFIC (SHENZHEN) CO. LTD.
` '	:WO 2014/100956 :NA :NA :NA :NA	

#### (57) Abstract:

Provided are a terminal and a method for deletion of specified content. The terminal comprises: a determination unit for determining whether a specified content meets a preset condition when receiving an operation instruction to delete same; and an execution unit for determining whether to execute the deletion operation on the specified content according to a determination result. By means of the technical solution of the present invention the probability of accidental deletions can be reduced enabling a deletion operation to be safer.

No. of Pages: 44 No. of Claims: 18

(22) Date of filing of Application :07/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: STRUCTURES AND METHODS FOR FORCING COUPLING OF FLOW FIELDS OF ADJACENT BLADED ELEMENTS OF TURBOMACHINES, AND TURBOMACHINES INCORPORATING 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> </ul>	:F01D5/12,F01D9/00,F02C7/00 :61/755,747 :23/01/2013 :U.S.A. :PCT/US2014/012770 :23/01/2014	(71)Name of Applicant:  1)CONCEPTS ETI, INC.  Address of Applicant: 217 Billings Farm Road, White River Junction, VT 05001 UNITED STATES OF AMERICA (72)Name of Inventor:  1)JAPIKSE, David
<ul> <li>(87) International Publication 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>	:WO 2014/116842 :NA :NA :NA :NA	

### (57) Abstract:

Turbomachines having close-coupling flow guides (CCFGs) that are designed and configured to closely-couple flow fields of adjacent bladed elements. In some embodiments, the CCFGs may be located in regions extending between the adjacent bladed elements, described herein as coupling avoidance zones, where conventional turbomachine design would suggest no structure should be added. In yet other embodiments, CCFGs are located upstream and/or downstream of rows of blades coupled to the bladed elements, including overlapping one of more of the rows of blades, to improve flow coupling and machine performance. Methods of designing turbomachines to incorporate CCFGs are also provided.

No. of Pages: 33 No. of Claims: 17

(22) Date of filing of Application :07/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: OPTICALLY VARIABLE SURFACE PATTERN

<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 Filing Date</li> </ul>	:B42D15/00 :10 2013 002 137.5 :07/02/2013 :Germany :PCT/EP2014/000251 :30/01/2014 :WO 2014/121908 :NA :NA :NA	(71)Name of Applicant:  1)GIESECKE & DEVRIENT GMBH Address of Applicant: Prinzregentenstrasse 159, 81677  München GERMANY (72)Name of Inventor: 1)FUHSE, Christian 2)RAUCH, Andreas 3)HOFFMÜLLER, Winfried
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#### (57) Abstract:

The invention relates to an optically variable surface pattern (10), which comprises at least two sub-regions (17, 18) having reflection elements (14, 15, 22, 27, 28), wherein the reflection elements (14, 22, 27) of the first sub-region (17) and the reflection elements (15, 22, 28) of the second sub-region reflect incident light in different reflection directions, wherein the first sub-region (17) is covered with a first transparent colour layer (20, 23, 29) in such a way that an observer, when the angle of observation at which the observer observes the optically variable surface pattern (10) is changed, sees the first sub-region (17) glow in a first colour when a first angle of observation (a1) is reached and sees the second sub-region (18) glow in a second colour different from the first colour when a second angle of observation (a2) is reached.

No. of Pages: 39 No. of Claims: 19

(22) Date of filing of Application :07/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention : METHOD FOR MANUFACTURING HOT DIP GALVANIZED STEEL SHEET AND CONTINUOUS HOT DIP GALVANIZATION DEVICE

(51) International classification :C23C2/02,C21D1/76,C21D9/56 (71)Name of Applicant : (31) Priority Document No 1)JFE STEEL CORPORATION :2013-040207 (32) Priority Date :01/03/2013 Address of Applicant :2-3, Uchisaiwai-cho 2-chome, Chiyoda-(33) Name of priority country ku, Tokyo 1000011 JAPAN :Japan (86) International Application No:PCT/JP2014/001022 (72) Name of Inventor: Filing Date :26/02/2014 1)TAKEDA, Gentaro (87) International Publication No: WO 2014/132638 2)TAKAHASHI, Hideyuki (61) Patent of Addition to 3)TANAKA, Minoru :NA **Application Number** 4)SUZUKI, Yoshikazu :NA Filing Date (62) Divisional to Application :NA Number :NA

### (57) Abstract:

Filing Date

The purpose of the present invention is to provide a method for manufacturing hot dip galvanized steel sheets and a continuous hot dip galvanization device of high productivity with which hot dip galvanized steel sheets of excellent plating appearance can be obtained even with Si-containing steel. A method for manufacturing hot dip galvanized steel sheets wherein, when manufacturing a hot dip galvanized steel sheet using a continuous hot dip galvanization device provided with a direct fire-type heating zone in which burners are disposed facing the surface of the steel sheet, the dew point of the gas input in the burners is adjusted.

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

(21) Application No.2112/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/07/2015

(43) Publication Date: 29/01/2016

# (54) Title of the invention: CONNECTOR FOR A FILTER PLATE

<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>	:09/01/2014 :WO 2014/108602 :NA :NA	(71)Name of Applicant:  1)OUTOTEC (FINLAND) OY  Address of Applicant:Rauhalanpuisto 9 FI-02230 Espoo FINLAND (72)Name of Inventor:  1)HINDSTRÖM, Rolf
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A connector (19) for a filter plate comprises an elbow fitting (20) connectable onto a first plane surface of a filter plate, a counterpart connectable onto a second plane surface of the filter plate, and a bolt (22) for fastening the elbow fitting (20) to the counterpart (21). The elbow fitting (20) comprises an inlet (24) connectable to an internal cavity of the filter plate and an outlet (25) connectable to a drainage line of a disc filter so that the elbow fitting (20) is able to act as a fluid communication channel between the internal cavity and the drainage line.

No. of Pages: 14 No. of Claims: 5

(22) Date of filing of Application :09/07/2015 (43) Publication Date : 29/01/2016

# (54) Title of the invention: NETWORK MEASURING GREENHOUSE GASES IN THE ATMOSPHERE

		(71)Name of Applicant:
(51) International classification	:G01N21/00	1)EARTH NETWORKS, INC.
(31) Priority Document No	:13/737,508	Address of Applicant :12410 Milestone Center Drive, Suite
(32) Priority Date	:09/01/2013	300, Germantown, MD 20876 UNITED STATES OF AMERICA
(33) Name of priority country	:U.S.A.	2)THE REGENTS OF THE UNIVERSITY OF
(86) International Application No	:PCT/US2014/010342	CALIFORNIA
Filing Date	:06/01/2014	(72)Name of Inventor:
(87) International Publication No	:WO 2014/109986	1)SLOOP, Christopher, Dale
(61) Patent of Addition to Application	:NA	2)NOVAKOVSKAIA, Elena
Number	:NA :NA	3)MARSHALL, Robert, S.
Filing Date	:NA	4)WEISS, Ray, F.
(62) Divisional to Application Number	:NA	5)KEELING, Ralph
Filing Date	:NA	6)WELP-SMITH, Lisa
		7)PAPLAWSKY, William, J.

### (57) Abstract:

Methods and apparatuses including computer program products are described for measuring greenhouse gas. A calibration device receives a first sample of atmospheric gas from a first port exposed to the earth s atmosphere. The calibration device receives a second sample of atmospheric gas from a second port exposed to the earth s atmosphere. The calibration device routes the first sample and the second sample to a measurement device for greenhouse gas analysis. The measurement device determines a characteristic of a greenhouse gas present in at least one of the first sample and the second sample. The measurement device transmits data associated with the determined characteristic of the greenhouse gas to a computing device for determining sinks and sources of the gas.

No. of Pages: 40 No. of Claims: 32

(22) Date of filing of Application :09/07/2015 (43) Publication Date : 29/01/2016

#### (54) Title of the invention: METHOD AND APPARATUS FOR ANALYZING LEAKAGE FROM CHAT TO VOICE

<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 Filing Date</li> </ul>	:H04M11/00 :61/750,216 :08/01/2013 :U.S.A. :PCT/US2014/010603 :08/01/2014 :WO 2014/110083 :NA :NA :NA	(71)Name of Applicant: 1)24/7 CUSTOMER, INC. Address of Applicant:910 E. Hamilton Ave., Suite 240, Campbell, CA 95008 UNITED STATES OF AMERICA (72)Name of Inventor: 1)SRI, R., Mathangi 2)HARDENIYA, Nitin, Kumar 3)SRIVASTAVA, Vaibhav 4)VIJAYARAGHAVAN, Ravi
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#### (57) Abstract:

The customer experience is enhanced by detecting leakage to voice from chats and providing recommendations to operations chat agents and customers. A chat is classified into leakage to voice or leakage to text chat and actionable recommendations are then provided to operations chat agents and customers based on the leakage information. Once leakage is identified various other insights are extracted from chats and such insights are fed into the knowledge base. Such insights also used in agent training and are provided to chat agents as recommendations. This results in a better customer experience.

No. of Pages: 34 No. of Claims: 37

(21) Application No.2236/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/07/2015

(43) Publication Date: 29/01/2016

## (54) Title of the invention : SYSTEM AND METHOD FOR POWER MANAGEMENT DURING REGENERATION MODE IN HYBRID ELECTRIC VEHICLES

(51) International :B60W20/00,B60W10/24,B60W10/26

classification (31) Priority Document No :61/782,103

(31) Priority Document No :61/782,103 (32) Priority Date :14/03/2013 (33) Name of priority

country :U.S.A.

(86) International :PCT/US2014/020513

Application No
Filing Date

SPC1/032014

:05/03/2014

(87) International Publication No :WO 2014/158846

(61) Patent of Addition to Application Number :NA

Filing Date
(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)ALLISON TRANSMISSION, INC.

Address of Applicant :One Allison Way, Indianapolis, IN

46222 UNITED STATES OF AMERICA

(72)Name of Inventor:

1)RUNDE, Jeffrey, K. 2)WEST, Stephen, T.

#### (57) Abstract:

A system and method for recovering the optimum power level during regenerative mode is disclosed. Equations for determining the optimum regenerative power level receivable by an energy storage system for example for any given deceleration event are derived and disclosed. The equations consider various losses such as the efficiency of the electric motor generator in the generator mode wind resistance rolling resistance transmission losses engine losses and losses in the energy storage system. Also disclosed is at least one embodiment of a procedure for controlling a hybrid drive system to achieve the optimum energy recovery.

No. of Pages: 28 No. of Claims: 47

(21) Application No.2196/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/07/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention : METHOD AND APPARATUS FOR PERFORMING MEASUREMENT IN WIRELESS COMMUNICATION 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</li> <li>Number</li> </ul>	:61/750,756 :09/01/2013 :U.S.A. :PCT/KR2014/000232 :09/01/2014 :WO 2014/109561 :NA	(71)Name of Applicant:  1)LG ELECTRONICS INC.  Address of Applicant: 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, 150-721, REPUBLIC OF KOREA (72)Name of Inventor:  1)YI Yunjung 2)AHN, Joonkui 3)YANG, Suckchel
(61) Patent of Addition to Application	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method for and apparatus for performing a measurement in a wireless communication system is provided. A wireless device determines information about a measurement type, the measurement type indicating one of a first measurement object and a second measurement object and performs measurement using a measurement signal at subframe(s) configured in the measurement object indicated by the measurement type. The measurement signal includes one of a discovery signal, a measurement reference signal (MRS) and a cell-common RS (CRS).

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

(21) Application No.2631/KOLNP/2009 A

(19) INDIA

(22) Date of filing of Application :20/07/2009 (43) Publication Date : 29/01/2016

#### (54) Title of the invention: PACKAGING FOR PRODUCTS TO BE DECONTAMINATED BY RADIATION

<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</li> <li>Filing Date</li> </ul>	:A61B19/02 :07/00120 :09/01/2007 :France :PCT/US2008/000255 :08/01/2008 :WO 2008/085969 :NA :NA	(71)Name of Applicant:  1)BECTON, DICKINSON AND COMPANY Address of Applicant: 1 BECTON DRIVE FRANKLIN LAKES, NJ 07417 U.S.A. (72)Name of Inventor: 1)PEROT, FREDERIC
. ,		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A packaging (1) for products, that is to be decontaminated by radiation, having at least one tub (2) having an opening (4) and a peripheral zone (5) defined about the opening, one cover sheet (3) made of a selectively impervious material and fixed to the peripheral zone of the tub so as to seal said opening imperviously, and one screen (8) against electron radiation dimensioned to substantially cover the products contained in the packaging. The screen is placed on top of the cover sheet, outside of the tub.

No. of Pages: 17 No. of Claims: 12

(21) Application No.2208/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :08/07/2015 (43) Publication Date: 29/01/2016

#### (54) Title of the invention: SYRINGE DEVICES, COMPONENTS OF SYRINGE DEVICES, AND METHODS OF FORMING COMPONENTS AND SYRINGE DEVICES

:A61M5/178,A61M5/315 | (71)Name of Applicant : (51) International classification (31) Priority Document No :13/840,245 (32) Priority Date :15/03/2012 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2013/075069

Filing Date :13/12/2013 (87) International Publication No :WO 2014/093853

(61) Patent of Addition to Application

:NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA 1)HYPROTEK, INC

Address of Applicant: 4219 East 65th Avenue, Spokane, WA

99223 UNITED STATES OF AMERICA

(72) Name of Inventor: 1) TENNICAN, Patrick, O.

#### (57) Abstract:

Syringe assemblies are provided that can include a valve within a plunger having a fluid channel extending longitudinally therethrough and along the channel, the valve including a piston extending substantially normally to the channel and configured to slidably engage the plunger along the extension. Syringe assemblies can also include: a syringe barrel having a first cross sectional diameter; a syringe piston configured to operatively couple with the barrel; a fluid channel extending the length of the piston; a vial port extending from an end of the piston, the vial port having a second cross sectional diameter, the second diameter being greater than the first diameter. Methods for controlling fluid along a fluid channel within a syringe plunger are also provided. The methods can include extending a piston in one direction normally to the fluid channel to provide fluid communication between two sections of the fluid channel.

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

(21) Application No.2209/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :08/07/2015 (43) Publication Date : 29/01/2016

#### (54) Title of the invention: A MULTILAYER THERMOPLASTIC MULTILAYER FILM

(51) International classification	:B29C47/06	(71)Name of Applicant:
(31) Priority Document No	:20041361	1)IONPHASE OY
(32) Priority Date	:20/10/2004	Address of Applicant :HEPOLAMMINKATU 29, FI-33720
(33) Name of priority country	:Finland	TAMPERE FINLAND
(86) International Application No	:PCT/FI2005/000453	(72)Name of Inventor:
Filing Date	:20/10/2005	1)NIEMINEN, JYRI
(87) International Publication No	: NA	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:1577/KOLNP/2007	
Filed on	:03/05/2007	

#### (57) Abstract:

A non-chargeable or weakly chargeable layer structure suitable to be used in, e.g., packages for electronic products and daily consumer goods, as well as a method for producing it. According to the present invention the layer structure comprises a first electrically non-conductive polymer layer, a second electrically non-conductive polymer layer, which is placed at a distance from the first polymer layer, as well as a third layer between the first and second layer, which third layer is at least partly electrically conductive. According to the invention the third layer contains an ionically conductive polymer, whereby the charge decay time of the layer structure is less than 10 s determined according to Standard IEC 61340-5-1 and the surface resistivity of the layer structure is the same or essentially the same as the material of the surface layer.

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

(22) Date of filing of Application :28/07/2014 (43) Publication Date : 29/01/2016

## (54) Title of the invention : A METHOD OF INSTALLING FLEXIBLE SOLAR PANELS FOR SOLAR POWER PLANT ADAPTED TO FLOAT IN AIR

(51) International classification	:H01L31/042	(71)Name of Applicant:
(31) Priority Document No	:NA	1)BHARAT HEAVY ELECTRICALS LIMITED
(32) Priority Date	:NA	Address of Applicant :REGIONAL OPERATIONS
(33) Name of priority country	:NA	DIVISION(ROD), PLOT NO:9/1, DJ BLOCK 3RD FLOOR,
(86) International Application No	:NA	KARUNAMOYEE, SALTLAKE, KOLKATA-700091, HAVING
Filing Date	:NA	ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI FORT,
(87) International Publication No	: NA	NEW DELHI - 110049, INDIA. West Bengal India
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)BAYYARAPU RAVI KUMAR
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method of installing flexible solar panels for solar power plant adapted to place on land or to float in air, the method comprising the steps of: constructing a geometrical shaped carrier filled with air/gas; installing the flexible solar panels on the top surface of the geometrical shaped carrier floating in air/gas; placing the geometrical carrier in a direction to absorb the Sun rays incident on it; anchoring the carrier to the ground in a fixed position at a distance from the ground level using steel strings; and tilting the carrier in the direction of Sun by the strings form the ground.

No. of Pages: 45 No. of Claims: 10

(22) Date of filing of Application :28/07/2014

(43) Publication Date: 29/01/2016

(54) Title of the invention: 'A METHOD FOR IMPROVING TOUGHNESS AND COLD CRACKING RESISTANCE AT HEAT AFFECTED ZONE (HAZ) ON WELD PRODUCTS BY CORRELATING THE MICROSTRUCTURE AND MECHANICAL PROPERTIES OF THE MATERIALS'

(51) International classification	:B21B3/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)BHARAT HEAVY ELECTRICALS LIMITED
(32) Priority Date	:NA	Address of Applicant :REGIONAL OPERATIONS
(33) Name of priority country	:NA	DIVISION(ROD), PLOT NO:9/1, DJ BLOCK 3RD FLOOR,
(86) International Application No	:NA	KARUNAMOYEE, SALTLAKE CITY, KOLKATA-700091,
Filing Date	:NA	HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI
(87) International Publication No	: NA	FORT, NEW DELHI - 110049, INDIA. West Bengal India
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)VIMALAN GURUNATHAN
(62) Divisional to Application Number	:NA	2)DR RAVICHANDRAN GANESAN
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a method for improving toughness and cold cracking resistance at heat affected zone (HAZ) on weld products by correlating the microstructure and mechanical properties of the materials, comprising the steps of simulating thermal cycles by heating and cooling the sample adapting a thermocouple welded at the centre of the sample; adjusting a distance between two copper wedge shaped grips to obtain a desired cooling time for the heated sample; and machining the simulated sample for testing impact toughness at room temperature.

No. of Pages: 13 No. of Claims: 5

(22) Date of filing of Application :28/07/2014

(43) Publication Date: 29/01/2016

(54) Title of the invention : ARRANGEMENT OF FIXTURE POSITION AND NEW HYDRAULIC CIRCUIT IN CASE OF FIXTURE FOR ROOT AND SHROUD MILLING OF BAR TYPE STEAM TURBINE BLADES ON HORIZONTAL MILLING MACHINE.

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number : N	(71)Name of Applicant:  1)BHARAT HEAVY ELECTRICALS LIMITED Address of Applicant: REGIONAL OPERATIONS DIVISION(ROD), PLOT NO:9/1, DJ BLOCK, 3RD FLOOR, KARUNAMOYEE, SALTLAKE CITY, KOLKATA-700091, HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI FORT, NEW DELHI-110049, INDIA. West Bengal India (72)Name of Inventor:  1)VINOD KUMAR SHARMA 2)SHYAM BIHARI 3)HIMANSHU RAGHAV 4)SAKSHAM SAXENA 5)VIVEK YADAV 6)HARPREET DHIMAN
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#### (57) Abstract:

The invention relates to an arrangement of fixture position and new hydraulic circuit in case of fixture for root and shroud milling of bar type steam turbine blades on horizontal milling machine. A new hydraulic circuit is implemented for the fixture (F) to work in its new position. The fixture (F) is oriented to bring RS milling side of the fixture to the loading door (D) for allowing steam turbine blade facing the door. The blades are loaded and clamped, when the fixture moves to the machining area with RS milling side facing the machine for blade machining.

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

(22) Date of filing of Application :09/07/2015 (43) Publication Date: 29/01/2016

#### (54) Title of the invention: VALVE UNIT A FLUID WORKING MACHINE COMPRISING A VALVE UNIT

(51) International classification: F04B7/00,F04B53/10,F16K31/08 (71) Name of Applicant: :1303741.1 (31) Priority Document No

(32) Priority Date :01/03/2013 (33) Name of priority country :U.K.

:PCT/GB2014/050623

(86) International Application No

:03/03/2014 Filing Date

(87) International Publication

:WO 2014/132089 (61) Patent of Addition to

:NA **Application Number** :NA Filing Date (62) Divisional to Application :NA

Number :NA Filing Date

1)ARTEMIS INTELLIGENT POWER LIMITED

Address of Applicant: Unit 3, Edgefield Industrial Estate, Edgefield Road, Loanhead EH20 9TB UNITED KINGDOM

(72)Name of Inventor:

1)STEIN, Uwe 2) EILERS, Jens 3)LAVENDER, Jack 4)LAIRD, Stephen

#### (57) Abstract:

A valve unit for regulating the flow of working fluid between a working chamber of a fluid working machine and both a first working fluid line and second working fluid line the valve unit comprising: a first valve comprising a first valve member and one or more cooperating first valve seats a second valve comprising a second valve member and one or more cooperating second valve seats an actuator coupled to both the first and second valve members through which a force may be applied to urge the first valve member open or closed and to urge the second valve member open or closed a coupling between the actuator and the first valve member wherein the coupling between the actuator and the first valve member comprises a connector which extends at least partially through the second valve member.

No. of Pages: 44 No. of Claims: 23

(22) Date of filing of Application :09/07/2015 (43) Publication Date : 29/01/2016

#### (54) Title of the invention: REDUCED-IRON PRODUCTION METHOD AND PRODUCTION 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> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C21B13/10,C22B1/16 :10-2012-0148940 :18/12/2012 :Republic of Korea :PCT/KR2012/011650 :27/12/2012 :WO 2014/098300 :NA :NA	(71)Name of Applicant: 1)POSCO Address of Applicant:(Goedong-dong) 6261, Donghaean-ro, Nam-gu, Pohang-si, Gyeongsangbuk-do 790-300 REPUBLIC OF KOREA (72)Name of Inventor: 1)SON, Sang Han 2)CHO, Byung Kook 3)JEONG, Hae Kwon
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#### (57) Abstract:

The present invention relates to a reduced iron production method and production device and more specifically relates to a reduced iron production method and production device whereby reduced iron having an outstanding rate of reduction is produced by using iron ore containing large amounts of the impurities phosphorus zinc and alkali elements within the iron ore while at the same time the phosphorus zinc and alkali elements are recovered.

No. of Pages: 34 No. of Claims: 18

(22) Date of filing of Application :09/07/2015

(43) Publication Date: 29/01/2016

## (54) Title of the invention : COMPOSITIONS THAT INCLUDE HYDROPHOBIZING AGENTS AND STABILIZERS AND METHODS FOR MAKING AND 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 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 Filing Date</li> </ul>	:61/756,197 :24/01/2013 :U.S.A.	(71)Name of Applicant:  1)GEORGIA-PACIFIC CHEMICALS LLC Address of Applicant:133 Peachtree Street NE, Atlanta, Georgia 30303 UNITED STATES OF AMERICA (72)Name of Inventor: 1)HAGIOPOL, Cornel 2)SNIADY, Adam K. 3)TOWNSEND, David F. 4)WILLIAMSON, Bobby L.
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#### (57) Abstract:

Compositions that include hydrophobizing agents and stabilizers and methods for making and using same are provided. In at least one specific embodiment a composition can include about 40 wt% to about 60 wt% lignosulfonic acid or a salt thereof about 1 wt% to about 20 wt% of a hydrophobizing agent and about 20 wt% to about 59 wt% of a liquid medium where all weight percents are based on the combined weight of the lignosulfonic acid or salt thereof the hydrophobizing agent and the liquid medium.

No. of Pages: 76 No. of Claims: 20

(21) Application No.696/KOL/2015 A

(19) INDIA

(22) Date of filing of Application :22/06/2015 (43) Publication Date : 29/01/2016

## (54) Title of the invention : DRAW TEXTURING APPARATUS AND YARN PLACEMENT METHOD FOR DRAW TEXTURING APPARATUS

(51) International classification	:D02J1/08	(71)Name of Applicant:
(31) Priority Document No	:2014- 137802	1)TMT MACHINERY, INC. Address of Applicant :6TH FL., OSAKA GREEN BLDG., 2-
(32) Priority Date	:03/07/2014	6-26 KITAHAMA, CHUO-KU, OSAKA-SHI, OSAKA 541-
(33) Name of priority country	:Japan	0041, JAPAN
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)YOSHIMITSU DEMIZU
(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 draw texturing apparatus and a yarn placement method for a draw texturing apparatus in which contact between yarns is prevented when the yarns are simultaneously moved to a yarn inlet position of a heater by a shifter is provided. A draw texturing apparatus 1 includes a yarn supply creel 4 configured to supply yarns Ya and Yb, a winding device 7 configured to wind the yarns Ya and Yb supplied from the yarn supply creel 4, a first heater 11 provided in a yarn path between the yarn supply creel 4 and the winding device 7, false-twisting devices 6a and 6b provided in the yarn path between the first heater 11 and the winding device 7, and a shifter 10 which is movable from a yarn outlet position side to around the yarn inlet position of the first heater 11 and retains the yarns Ya and Yb, and a regulatory guide 24 which is configured to increase the distance between the yarns Ya and Yb retained by the shifter 10.

No. of Pages: 51 No. of Claims: 6

(21) Application No.2220/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/07/2015 (43) Publication Date : 29/01/2016

#### (54) Title of the invention: DRAW FORMING METHOD

(51) International classification	:B21D22/30,B21D24/04	(71)Name of Applicant:
(31) Priority Document No	:2012-282192	1)NISSAN MOTOR CO., LTD.
(32) Priority Date	:26/12/2012	Address of Applicant :2, Takara-cho, Kanagawa-ku
(33) Name of priority country	:Japan	Yokohama-shi, Kanagawa 221-0023, JAPAN
(86) International Application No	:PCT/JP2013/084555	(72)Name of Inventor:
Filing Date	:25/12/2013	1)Seiji INOUE
(87) International Publication No	:WO 2014/104047	2)Yusuke MATSUNO
(61) Patent of Addition to Application	:NA	3)Yasushi MURAKAMI
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A draw bead (1d 47c 59c) for adjusting the inflow of a plate shaped material (1 47) in which a draw forming part (1a) is formed into a draw die (25 49) is formed outside the draw forming part (1a) of the plate shaped material (1 47). Using the formed draw bead (1d 47c 59c) the draw forming part (1a) is draw formed in the plate shaped material (1 47). After the draw forming part (1a) has been draw formed the draw bead (1d 47c 59c) is smashed flat.

No. of Pages: 26 No. of Claims: 7

(22) Date of filing of Application :08/07/2015 (43) Publication Date : 29/01/2016

#### (54) Title of the invention: STATIONARY DISC ROTATING DISC AND MILL ASSEMBLY FOR REDUCING MACHINES

<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> </ul>	:B02C7/17 :13/742773 :16/01/2013 :U.S.A. :PCT/CA2014/000018 :14/01/2014 :WO 2014/110658 :NA :NA	(71)Name of Applicant:  1)ORENDA AUTOMATION TECHNOLOGIES INC. Address of Applicant:165 Steelcase Road East Markham Ontario L3R 1G1 Canada (72)Name of Inventor: 1)LEFAS Hristos 2)FEDER Friedhelm Roderich
Filing Date		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A reducing machine having an air cooled cutting discs is disclosed. The air cooled discs have cutting surfaces on both sides. The cutting surfaces have edges which are sharpened for cutting input material when the cutting surface is facing the cutting surface of the opposed disc. When the cutting surface of the stationary disc is facing the housing the cutting surface acts as a heat sink to air cool the stationary disc and the mill assembly in general. Air inlets in the housing lid permit air to flow over the cooling surface. A damper restricts air flow over the air cooling surface to control the temperature of the reducing machine such as during start up.

No. of Pages: 40 No. of Claims: 20

(22) Date of filing of Application :08/07/2015 (43) Publication Date : 29/01/2016

#### (54) Title of the invention: SERVICE PROVISIONING USING ABSTRACTED NETWORK RESOURCE REQUIREMENTS

<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> </ul>	:16/12/2013 :WO 2014/093977 :NA :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD.  Address of Applicant: Huawei Administration Building Bantian Longgang District Shenzhen Guangdong 518129 China (72)Name of Inventor:  1)SENARATH Nimal Gamini 2)CHENG Ho Ting 3)ZHANG Hang 4)STEPHENNE Alex
- 14	:NA :NA :NA	4)STEITIENNE AICX

#### (57) Abstract:

Interference costs on virtual radio interfaces can be modeled as a function of loading in a wireless network to estimate changes in spectral efficiency and/or resource availability that would result from a provisioning decision. In one example this modeling is achieved through cost functions that are developed from historical and/or simulated resource cost data corresponding to the wireless network. The cost data may include interference data spectral efficiency data and/or loading data for various links over a common period of time (e.g. a month a year etc.) and may be analyzed and/or consolidated to obtain correlations between interference costs and loading on the various links in the network. As an example a cost function may specify an interference cost on one virtual link as a function of loading on one or more neighboring virtual links.

No. of Pages: 46 No. of Claims: 23

(21) Application No.2212/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :08/07/2015 (43) Publication Date: 29/01/2016

#### (54) Title of the invention: SYNERGISTIC DISINFECTION ENHANCEMENT

(51) International :A01N25/30,A61L2/18,A61L101/34

classification (31) Priority Document No :2012905482

(32) Priority Date :14/12/2012 (33) Name of priority country: Australia

(86) International Application: PCT/AU2013/001462

:13/12/2013 Filing Date

(87) International Publication :WO 2014/089632

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA

Filing Date

(71)Name of Applicant:

1)SABAN VENTURES PTY LIMITED

Address of Applicant: Unit 24 566 Gardeners Road Alexandria

New South Wales 2015 Australia

(72) Name of Inventor:

1)BERENTSVEIG Vladimir

2)PATEL Dipika

#### (57) Abstract:

An aqueous disinfectant solution comprising peroxyacetic acid and a surfactant such as a polyoxyethylene alkyl ether phosphate (polyethylene glycol p (1 1 3 3 tetramethylbutyl) phenyl ether) or cocoamidopropylamino oxide.. The solution is preferably adjusted to provide a pH in the range 5 8 by a pH adjusting agent such as a phosphate buffer; hydroxide; carbonate; bicarbonate; a combination of carbonate and hydroxide; or a combination of carbonate and bi carbonate.

No. of Pages: 20 No. of Claims: 23

(21) Application No.2213/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :08/07/2015 (43) Publication Date: 29/01/2016

(54) Title of the invention: DISINFECTANT

(51) International

:A01N37/16,A01N25/00,A61L2/18

classification

:2012905481 (31) Priority Document No (32) Priority Date :14/12/2012

(33) Name of priority country: Australia (86) International Application

No

:PCT/AU2013/001463 :13/12/2013

:WO 2014/089633

Filing Date

(87) International Publication

(61) Patent of Addition to :NA **Application Number** 

Filing Date

:NA (62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)SABAN VENTURES PTY LIMITED

Address of Applicant: Unit 24 566 Gardeners Road Alexandria

New South Wales 2015 Australia

(72) Name of Inventor:

1)BERENTSVEIG Vladimir

2)PATEL Dipika

(57) Abstract:

An aqueous disinfectant solution comprising peroxyacetic acid hydrogen peroxide; and a carbonate buffer

No. of Pages: 32 No. of Claims: 23

(22) Date of filing of Application :08/07/2015 (43) Publication Date : 29/01/2016

#### (54) Title of the invention: TWO STAGE PROCESS FOR PRODUCING POLYPROPYLENE 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> <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>	:13002096.9 :22/04/2013 :EPO :PCT/EP2014/001075 :22/04/2014 :WO 2014/173536 :NA :NA	(71)Name of Applicant:  1)ABU DHABI POLYMERS CO. LTD (BOROUGE) L.L.C. Address of Applicant: Sheikh Khalifa Energy Complex Corniche Road P.O. Box 6925 Abu Dhabi U.A.E. 2)BOREALIS AG (72)Name of Inventor: 1)ALASTALO Kauno 2)LESKINEN Pauli 3)LILJA Johanna 4)HEDESIU Cristian
(62) Divisional to Application Number Filing Date	:NA :NA	4)HEDESIC Clistian

#### (57) Abstract:

A process for polymerizing propylene in the presence of a polymerization catalyst by copolymerizing propylene with a comonomer selected from the group of ethylene and C4 C10 alpha olefins in two polymerization stages. The first polymerization stage is conducted in a loop reactor and the second polymerization stage in a gas phase reactor. The polymer produced in first polymerization stage has a higher melt flow rate and a lower content of comonomer units than the final polymer mixture. The process can be operated with a high throughput and catalyst productivity.

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

(22) Date of filing of Application :02/07/2015

(43) Publication Date: 29/01/2016

## (54) Title of the invention : METHODS AND APPARATUS FOR TRANSMITTING DATA BETWEEN DIFFERENT PEER-TO-PEER COMMUNICATION GROUPS

<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 Filing Date</li> </ul>	:H04L12/46 :13/721,771 :20/12/2012 :U.S.A. :PCT/US2013/072718 :03/12/2013 :WO 2014/099340 :NA :NA :NA	(71)Name of Applicant:  1)GOOGLE TECHNOLOGY HOLDINGS LLC Address of Applicant: 1600 Amphitheatre Parkway, Mountain View, California 94043 UNITED STATES OF AMERICA (72)Name of Inventor: 1)HALASZ, David E. 2)SALKINTZIS, Apostolis K. 3)SMITH, Dwight, R.
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#### (57) Abstract:

Methods and apparatus for transmitting data between different peer-to-peer communication groups (104) are disclosed. A wireless device (102) determines (702) if it is simultaneously connected to a plurality of peer-to-peer communication groups (104) and instantiates (704) a bridge interface (404) at the wireless device (102) for communications between each peer-to-peer communication group (104). The wireless device (102) also determines (706) if it is simultaneously connected to at least one peer-to-peer communication device (102) and an access point (202). In such an instance, the wireless device (102) determines (708) if the access point (202) also includes a bridge interface (412). If the access point (202) does not include a bridge interface, the wireless device (102) runs (710) the bridge interface (404) at the wireless device (102) for communications between the at least one peer-to-peer communication device (102) and the access point (202). If the access point (202) does include a bridge interface (412), the wireless device (102) causes (712) the bridge interface (412) at the access point (202) to be instantiated for communications between the at least one peer-to-peer communication device (102) and the access point (202).

No. of Pages: 38 No. of Claims: 8

(22) Date of filing of Application: 10/07/2015 (43) Publication Date: 29/01/2016

#### (54) Title of the invention: METHOD AND DEVICE FOR ROUTER ACCESS CONTROL AND ROUTER

<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</li> </ul>	:24/07/2014 :WO 2015/127754 :NA	(71)Name of Applicant: 1)XIAOMI INC. Address of Applicant: Floor 13 Rainbow City Shopping Mall of China Resources NO. 68 Qinghe Middle Street Haidian District Beijing 100085 China (72)Name of Inventor: 1)LIU Tiejun 2)LI Zheng 3)CHENG Liang
	:NA :NA	, ,
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The disclosure relates to a method and device for router access control and a router the method comprising: obtaining a target website address and target post content; generating a post request on the basis of the target post content; transmitting to the target website address the post request; obtaining the return message returned by the target website address on the basis of the post request; determining whether the return message is a preset return message; if the return message is not the preset return message continuing to transmit to the target website address the post request until the return message being the preset return message. With only once parameter (including the target website address and the target post request) reception the method can automatically accomplish the transmission process of the subsequent post requests many times until the preset return message is returned which can avoid the problem of the repeated input or operation of the user after a request fails once in the related art and operates easily and conveniently.

No. of Pages: 49 No. of Claims: 16

(22) Date of filing of Application :09/07/2015 (43) Publication Date : 29/01/2016

#### (54) Title of the invention: NON-RESONANT KNOCK SENSOR

(51) International classification :G01H17/00,G01L23/22 (73		(71)Name of Applicant:
(31) Priority Document No	:2012-276513	1)NGK SPARK PLUG CO., LTD.
(32) Priority Date	:19/12/2012	Address of Applicant:14-18, Takatsuji-cho, Mizuho-ku,
(33) Name of priority country	:Japan	Nagoya-shi, Aichi 467-8525, JAPAN
(86) International Application No	:PCT/JP2013/078822	(72)Name of Inventor:
Filing Date	:24/10/2013	1)Katsuki AOI
(87) International Publication No	:WO 2014/097737	
(61) Patent of Addition to Application	:NA	
Number Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

To provide a non resonant knock sensor such that internal insulation deterioration can be suppressed and manufacturing costs can be reduced. [Solution] A non resonant knock sensor (1) comprising a sensor body and a resin molded body (3) the sensor body comprising: a main fitting (9) including a fitting side tubular portion (13) and a fitting side flange portion (15); a piezoelectric element (17); a weight (19) disposed so as to sandwich the piezoelectric element against the fitting side flange portion; and a fastening portion (31) that has a third through hole (31h) through which the fitting side tubular portion passes and that fastens the weight by pushing the weight against the fitting side flange portion. The fastening portion has a flow path (31r) for the resin to flow to an internal space (20) between the fitting side tubular portion and the piezoelectric element. The flow path has at least one configuration from among a configuration of connecting to the third through hole and a configuration of being disposed on a body separate from the third through hole and a plurality of such flow paths are provided intermittently along the circumferential direction of the fastening portion.

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

(22) Date of filing of Application :09/07/2015

(43) Publication Date: 29/01/2016

## (54) Title of the invention : DISK BRAKE HAVING A CLEARANCE MONITORING DEVICE AND METHOD FOR MONITORING CLEARANCE

(51) International :F16D55/2255,F16D65/56,F16D66/02

classification ... 10D33/2233,110D03/30,110D00

(31) Priority Document No :102013100786.4 (32) Priority Date :25/01/2013 (33) Name of priority

country :Germany

(86) International Application No :PCT/EP2014/051401

Filing Date :24/01/2014

(87) International Publication No :WO 2014/114747

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to
Application Number
:NA
:NA
:NA
:NA

(71)Name of Applicant:

1)KNORR BREMSE SYSTEME FÜR NUTZFAHRZEUGE

**GMBH** 

Address of Applicant : Moosacher Str. 80 80809 München

Germany

(72)Name of Inventor:

1)SIEBKE Alf

#### (57) Abstract:

Filing Date

The invention relates to a disk brake (1) in particular for a motor vehicle comprising a brake application device in particular having a brake lever (8) an adjustment device (10) which is coupled to the brake application device in particular to the brake lever (8) in order to adjust for the wear of brake pads (3) and a brake disk (2) a wear sensor (12) for detecting a wear value of brake pads (3) and the brake disk (2) and a brake control unit (19). The disk brake (1) comprises a clearance monitoring device (20) having a control device (20a) which is connected to the wear sensor (12) and the brake control unit (19). The invention further relates to a corresponding method for monitoring a clearance of a disk brake (1).

No. of Pages: 49 No. of Claims: 20

(21) Application No.2115/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/07/2015 (43) Publication Date : 29/01/2016

#### (54) Title of the invention: FUNCTIONALIZED EXENDIN-4 DERIVATIVES

(51) International classification	:A61K38/26,C07K14/605	(71)Name of Applicant:
(31) Priority Document No	:12306647.4	1)SANOFI
(32) Priority Date	:21/12/2012	Address of Applicant :54 rue La Boétie, F-75008 Paris
(33) Name of priority country	:EPO	FRANCE
(86) International Application No	:PCT/EP2013/077310	(72)Name of Inventor:
Filing Date	:19/12/2013	1)HAACK, Torsten
(87) International Publication No	:WO 2014/096148	2)WAGNER, Michael
(61) Patent of Addition to Application	:NA	3)HENKEL, Bernd
Number	:NA	4)STENGELIN, Siegfried
Filing Date	.NA	5)EVERS, Andreas
(62) Divisional to Application Number	:NA	6)LORENZ, Martin
Filing Date	:NA	7)LORENZ, Katrin

#### (57) Abstract:

The present invention relates to exendin-4 derivatives and their medical use, for example in the treatment of disorders of the metabolic syndrome, including diabetes and obesity, as well as reduction of excess food intake.

No. of Pages: 142 No. of Claims: 31

(21) Application No.2116/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :01/07/2015 (43) Publication Date : 29/01/2016

#### (54) Title of the invention: EXENDIN-4 DERIVATIVES

(51) International classification	:A61K38/26,C07K14/605	(71)Name of Applicant:
(31) Priority Document No	:12306647.4	1)SANOFI
(32) Priority Date	:21/12/2012	Address of Applicant :54 rue La Boétie, F-75008 Paris
(33) Name of priority country	:EPO	FRANCE
(86) International Application No	:PCT/EP2013/077312	(72)Name of Inventor:
Filing Date	:19/12/2013	1)HAACK, Torsten
(87) International Publication No	:WO 2014/096149	2)WAGNER, Michael
(61) Patent of Addition to Application	:NA	3)HENKEL, Bernd
Number	:NA	4)STENGELIN, Siegfried
Filing Date	IVA	5)EVERS, Andreas
(62) Divisional to Application Number	:NA	6)LORENZ, Martin
Filing Date	:NA	7)LORENZ, Katrin

#### (57) Abstract:

The present invention relates to exendin-4 derivatives and their medical use, for example in the treatment of disorders of the metabolic syndrome, including diabetes and obesity, as well as reduction of excess food intake.

No. of Pages: 115 No. of Claims: 21

(22) Date of filing of Application :06/07/2015 (43) Publication Date: 29/01/2016

#### (54) Title of the invention: DETECTION OF POORLY DAMPED OSCILLATION MODES

(51) International classification :G06F1/26,G06F1/28,G06F17/10 (71) Name of Applicant:

(31) Priority Document No :61/764683 (32) Priority Date :14/02/2013 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2014/016521

No :14/02/2014

Filing Date (87) International Publication No:WO 2014/127257

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to Application :NA Number :NA

Filing Date

1)SCHWEITZER ENGINEERING LABORATORIES INC.

Address of Applicant :2350 NE Hopkins Court Pullman WA

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(72) Name of Inventor:

1)VENKATASUBRAMANIAN Vaithianathan

2)TASHMAN Zaid 3)KHALILINIA Hamed

#### (57) Abstract:

A plurality of measurement signals may be evaluated to detect a poorly damped oscillation mode in an electric power delivery system. An oscillation mode of interest may be detected, and the oscillation mode of interest may be analyzed using a frequency transform. A plurality of amplitudes of the oscillation mode of interest in each measurement signal may be determined using a sliding window. The plurality of amplitudes may be used to calculate a damping of the oscillation mode of interest. The damping may be calculated solving a linearized system of equations. The linearized system of equations may be a least square estimate of the damping based on the logarithm of each amplitude. If the damping indicates that the oscillation mode of interest is poorly damped, a control action may be taken.

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

(21) Application No.2134/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/07/2015 (43) Publication Date : 29/01/2016

#### (54) Title of the invention: HYBRID FIREWALL FOR DATA CENTER SECURITY

:NA

:NA

:NA

:NA

(51) International classification: H04L29/06,G06F9/455,G06F9/50 (71) Name of Applicant: 1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) (31) Priority Document No :13/710642 (32) Priority Date :11/12/2012 Address of Applicant :SE 164 83 Stockholm Sweden (33) Name of priority country (72)Name of Inventor: :U.S.A. 1)ZHU Zhongwen (86) International Application :PCT/IB2013/060822 2)POURZANDI Makan No :11/12/2013 Filing Date (87) International Publication :WO 2014/091431 (61) Patent of Addition to

#### (57) Abstract:

Number

**Application Number** 

Filing Date

Filing Date

(62) Divisional to Application

A system and method for managing a hybrid firewall solution employing both hardware and software firewall components for a cloud computing data center is provided. A virtual application is hosted by a first plurality of application virtual machines and a second plurality of firewall virtual machines provides firewalling services for traffic associated with the virtual application. A cloud management entity determines that the virtual application requires an increased number of application virtual machines. A security profile for the virtual application is verified to determine if an increased number of firewall virtual machines is required by the increased number of application virtual machines. The cloud management entity can instantiate additional application virtual machines and firewall virtual machines as required.

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

(21) Application No.2135/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/07/2015 (43) Publication Date : 29/01/2016

#### (54) Title of the invention: A POWER 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> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H05K1/14 :NA :NA :NA :PCT/EP2012/075037 :11/12/2012 :WO 2014/090284 :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant: S 164 83 Stockholm Sweden (72)Name of Inventor: 1)DERMARK Martin
Filing Date	:NA	

#### (57) Abstract:

A power module (100) arranged to receive an input voltage and to deliver an output voltage, comprising a supporting layer (110) with first and second main surfaces (111, 109) and a rim (122) surrounding the main surfaces. The power module (100) also comprises at least one component (112, 113, 114, 115) on or in the supporting layer (110) which protrudes a first perpendicular distance ( $d_1$ ) from one of the main surfaces. The power module (100) additionally comprises connectors (116-119; 120-123) for attaching the power module (100) to an external component (10). The one or more connectors (116-119; 120-123) protrude a second distance ( $d_2$ ) from said rim (122) in a perpendicular direction from one of the main surfaces (111, 109), so that the at least one component is at a predefined distance ( $d_4$ ,  $d_5$ ) from the external component (10) when the power module is attached to the external component (10).

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

(21) Application No.2136/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/07/2015 (43) Publication Date : 29/01/2016

#### (54) Title of the invention: MAGNESIA CARBON BRICK

(51) International classification	:C04B35/043	(71)Name of Applicant :
(31) Priority Document No	:2013005609	1)KROSAKIHARIMA CORPORATION
(32) Priority Date	:16/01/2013	Address of Applicant: 1 1 Higashihama machi Yahatanishi ku
(33) Name of priority country	:Japan	Kitakyushu shi Fukuoka 8068586 Japan
(86) International Application No	:PCT/JP2014/050491	(72)Name of Inventor:
Filing Date	:15/01/2014	1)TANAKA Masato
(87) International Publication No	:WO 2014/112493	2)SHIOHAMA Michiharu
(61) Patent of Addition to Application	:NA	3)MATSUO Yoshinori
Number	:NA	4)YOSHITOMI Jouki
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention improves the density (reduces the porosity) of one layer in a magnesia carbon brick and provides a magnesia carbon brick having higher durability than ever before. The magnesia carbon brick according to the present invention comprises a magnesia raw material and graphite wherein the graphite is contained in an amount of 3 to 25 mass% inclusive relative to the total amount of the magnesia raw material and the graphite the magnesia raw material is contained in an amount of 75 to 97 mass% inclusive relative to the total amount of the magnesia raw material and the graphite and the apparent porosity of the magnesia carbon brick is 7.8% or less after the magnesia carbon brick is subjected to reduced firing at 1400°C for 3 hours.

No. of Pages: 32 No. of Claims: 8

# 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
224732	AFFYMAX,INC	A PEPTIDE DIMER	12/05/2015	KOLKATA
250043	LOTEY GHANSHAM SINGH	Breaker-cum-finisher jute card with auto-leveler intersecting rotary gill head.	06/07/2014	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.

Seri al Nu mbe r	Patent Numbe r	Application Number	Date of Applicatio n	Date of Priority	Title of Invention	Name of Patentee	Date of Publicatio n of Abstract u/s 11(A)	Appropriate Office
1	270806	6797/DELNP/2010	28/03/2008	28/03/2008	METHOD FOR PREPARING 4,4' - OXYDIPHTHALIC ANHYDRIDE	SABIC GLOBAL TECHNOLOGIES B.V.	29/07/2011	DELHI
2	270808	2767/DELNP/2010	13/10/2008	12/10/2007	FUNCTIONAL LIPID CONSTRUCTS	KODE BIOTECH LIMITED	21/10/2011	DELHI
3	270811	7216/DELNP/2008	02/03/2007	09/03/2006	ROUND BURNER	ALSTOM TECHNOLOGY LTD	24/10/2008	DELHI
4	270812	3276/DELNP/2008	12/04/2007	10/05/2006	DUSTPROOF MASK FOR NOSE	JOUNG JIN GU	25/07/2008	DELHI
5	270823	6445/DELNP/2009	22/04/2008	23/04/2007	METHOD FOR THE PREPARATION OF REACTIVE 18F FLUORIDE	TRASIS S.A.,UNIVERSITE DE LIEGE	23/04/2010	DELHI
6	270832	2767/DELNP/2011	11/09/2009	16/09/2008	METHOD FOR PRODUCING LACTIC ACID FROM PLANT- DERIVED RAW MATERIAL, AND LACTIC-ACID- PRODUCING BACTERIUM	MITSUI CHEMICALS, INC.	23/03/2012	DELHI
7	270837	585/DEL/2011	04/03/2011 15:03:56		PROCESS FOR PREPARATION OF 3-METHYL-N- NITROIMINOPERHYDRO-1,3,5- OXADIAZINE	INSECTICIDES INDIA LIMITED	30/09/2011	DELHI
8	270840	1153/DELNP/2008	11/08/2006	12/08/2005	A WAVE ENERGY CAPTURING DEVICE	BIOPOWER SYSTEMS PTY. LTD.	04/07/2008	DELHI
9	270843	6525/DELNP/2007	24/01/2006	01/02/2005	IBANDRONATE POLYMORPH A.	F. HOFFMANN-LA ROCHE AG	14/09/2007	DELHI
10	270846	349/DEL/2004	04/03/2004	18/03/2003	A FUEL TANK DRAIN STRUCTURE IN A MOTORCYCLE	HONDA MOTOR CO., LTD.	24/04/2009	DELHI
11	270847	7068/DELNP/2006	01/02/2005	03/06/2004	AN ELECTRODE JOINT COMPRISING FIRST AND SECOND COMPLEMENTARY ELEMENTS	UCAR CARBON COMPANY, INC.	31/08/2007	DELHI
12	270851	2988/DEL/1996	30/12/1996		A DEVICE FOR GENERATING DIRECT ELECTRIC CURRENT FROM ELECTROMAGNETIC RADIO-WAVES	RAJ KUMAR SABHARWAL	27/02/2015	DELHI
13	270852	409/DEL/2006	14/02/2006	02/03/2005	VEHICLE BODY STRUCTURE OF MOTORCYCLE	HONDA MOTOR CO., LTD.	17/08/2007	DELHI
14	270854	508/DELNP/2009	09/08/2007	09/08/2006	ABSORBENT ARTICLES INCLUDING AN IMPROVED ODOUR CONTROL SYSTEM	THE PROCTER & GAMBLE COMPANY	20/08/2010	DELHI
15	270855	10020/DELNP/2007	13/10/2005	09/06/2005	PHOTOELECTROCHEMICAL METHOD OF SEPARATING WATER INTO HYDROGEN AND OXYGEN, USING MELANINS OR THE ANALOGUES, PRECURSORS OR DERIVATIVES THEREOF AS THE CENTRAL ELECTROLYSING ELEMAENT	SOLIS HERRERA Arturo	04/04/2008	DELHI

16	270858	8811/DELNP/2010	14/05/2009	14/05/2008	THERMAL TREATMENT OF BIOMASS	ASTON UNIVERSITY	02/03/2012	DELHI
17	270861	695/DELNP/2007	10/08/2005	13/08/2004	A METHOD OF CUTTING OFF LAMINATE LAYERS FOR USE A FIBER-REINFORCED LAMINATE OBJECT	LM GLASFIBER A/S	27/04/2007	DELHI
18	270863	1840/DELNP/2006	06/10/2004	17/10/2003	TOILET PAPER ROLL HOLDER	MIGUEL CONZALEZ ESCOBAR	24/08/2007	DELHI
19	270864	4345/DELNP/2007	27/10/2005	18/12/2004	A DEVICE FOR SECURING AN ADD-ON AND A SUPPORT IN SPACED-APART RELATION	A.RAYMOND ET CIE	24/08/2007	DELHI
20	270871	4092/DELNP/2009	21/12/2007	22/12/2006	CELLS AND METHODOLOGY TO GENERATE NON- SEGMENTED NEGATIVE- STRAND RNA VIRUSES	INSTITUT PASTEUR,CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE	01/01/2010	DELHI
21	270873	1269/DEL/2005	18/05/2005		AN INNER BODY FOR FLUID FLOW CONTROL DEVICE	JOPEX INDUSTRIES SDN. BHD.	12/01/2007	DELHI
22	270874	93/DEL/2004	19/01/2004	30/01/2003	APPARATUS FOR MONITORING THE PERFORMANCE OF A GAS TURBINE SYSTEM.	GENERAL ELECTRIC COMPANY	10/02/2006	DELHI
23	270875	1048/DEL/2007	15/05/2007 14:30:33	30/05/2006	CORE-SHELL CERAMIC PARTICULATE AND METHOD OF MAKING	BHA ALTAIR, LLC	07/12/2007	DELHI
24	270876	2077/DEL/2006	21/09/2006 14:49:01	28/09/2005	SYSTEM AND METHOD OF TREATMENT OF DEVICES CONTAINING LEAD	ENGITEC TECHNOLOGIES S.p.A.	17/08/2007	DELHI
25	270877	545/DEL/2006	01/03/2006		SAFETY DEVICE TO COVER THE NEEDLE TIP OF INTRAVENOUS CATHETER APPARATUS	POLY MEDICURE LIMITED	07/09/2007	DELHI
26	270890	861/DEL/2005	04/04/2005		A METHOD FOR THE SYNTHESIS OF MERCURY CADMIUM TELLURIDE NANOPARTICLES	INDIAN INSTITUTE OF TECHNOLOGY NEW DELHI	01/12/2006	DELHI
27	270891	1552/DELNP/2008	22/08/2006	31/08/2005	COMPOSITION AND METHOD FOR COATING METAL SURFACES WITH AN ALKOXYSILANE COATING	CASTROL LIMITED	08/08/2008	DELHI
28	270892	7976/DELNP/2009	27/06/2008	11/07/2007	PLASTIC BOTTLE FOR HOT FILLING OR THERMAL TREATMENT	AISAPACK HOLDING S.A.	09/07/2010	DELHI
29	270893	7590/DELNP/2009	12/05/2008	15/05/2007	METHODS FOR USING VASOPRESSIN ANTAGONISTS WITH ANTHRACYCLINE CHEMOTHERAPY AGENTS TO REDUCE CARDIOTOXICITY AND/OR IMPROVE SURVIVAL	OTSUKA PHARMACEUTICAL CO., LTD	02/07/2010	DELHI
30	270895	1422/DELNP/2007	03/02/2005	24/08/2004	METHOD AND SYSTEM OF FRICTION WELDING	MANUFACTURING TECHNOLOGY, INC.	27/04/2007	DELHI
31	270899	5499/DELNP/2009	06/12/2007	08/03/2007	FLAME RETARDANTS FOR USE IN STYRENIC FOAMS	CHEMTURA CORPORATION,	10/09/2010	DELHI
32	270900	1967/DEL/2004	11/10/2004	10/10/2003	A JOINT TERMINAL, A JOINT CONNECTOR AND A PRODUCTION METHOD THEREFOR	SUMITOMO WIRING SYSTEMS, LTD.	28/07/2006	DELHI
33	270901	367/DEL/2005	21/02/2005		A table-top drug-delivery apparatus for alveolar drug delivery for prevention & management of primary & secondary forms of pulmonary hypertension	DIRECTOR GENERAL, DEFENCE RESEARCH & DEVELOPMENT ORGANISATION	01/12/2006	DELHI

34	270913	8631/DELNP/2008	30/03/2007	31/03/2006	A METHOD FOR PRODUCING A	CHUGAI SEIYAKU	15/05/2009	DELHI
	270713	0031/BEE11/2000	30/03/2007	31/03/2000	BISPECIFIC ANTIBODY	KABUSHIKI KAISHA	13/03/2009	DEETH
35	270922	1022/DEL/2008	21/04/2008 17:29:18	25/04/2007	GAS TURBINE BLADE AND MANUFACTURING METHOD THEREOF	MANUFACTURING METHOD  MITSUBISHI HITACHI POWER SYSTEMS LTD		DELHI
36	270923	3582/DELNP/2006	03/02/2005	05/02/2004	POROUS ADSORPTIVE OR CHROMATOGRAPHIC MEDIA	EMD MILLIPORE CORPORATION	31/08/2007	DELHI
37	270929	1017/DEL/2003	18/08/2003	30/08/2002	ANTI-COLLISION METHOD AND APPARATUS FOR USE WITH C-ARM X-RAY MACHINE	GE MEDICAL SYSTEM GLOBAL TECHNOLOGY COMPANY	27/05/2005	DELHI
38	270930	7136/DELNP/2008	12/02/2007	13/02/2006	NUCLEIC ACID CONSTRUCTS AND METHODS FOR PRODUCING ALTERED SEED OIL COMPOSITIONS	MONSANTO TECHNOLOGY, LLC	03/10/2008	DELHI
39	270931	63/DELNP/2004	02/07/2002	02/07/2001	A SYSTEM FOR MAGNETICALLY LEVITATING AND MOVING AN OBJECT AND A METHOD THEREOF	A SYSTEM FOR MAGNETICALLY LEVITATING ND MOVING AN OBJECT AND MAGNA FORCE, INC. 2		DELHI
40	270932	3022/DELNP/2010	06/02/2009	08/02/2008	ORAL CARE PRODUCT AND METHODS OF USE THEREOF	COLGATE-PALMOLIVE COMPANY,	04/11/2011	DELHI
41	270933	619/DEL/2005	22/03/2005	19/03/2004	STRIPPING APPARATUS AND PROCESS	UOP LLC	10/11/2006	DELHI
42	270934	1818/DEL/2008	31/07/2008 12:00:20	01/08/2007	A CONNECTOR, CONNECTOR ASSEMBLY AND CONNECTION METHOD	SUMITOMO WIRING SYSTEMS, LTD.	03/04/2009	DELHI
43	270941	4034/DELNP/2006	10/02/2005	13/02/2004	CLAMPING TOOL, PARTICULARLY SOLDERING PLIERS, WITH A COMPENSATION SYSTEM	SALESSE, CHRISTIAN,LORIOT, JEAN- MARC	17/08/2007	DELHI
44	270947	6390/DELNP/2007	14/02/2006	17/02/2005	BLOCKY HYDROXYETHYLCELLULOSE, DERIVATIVES THEREOF, PROCESS OF MAKING AND USES THEREOF	HERCULES INCORPORATED	31/08/2007	DELHI
45	270948	8594/DELNP/2008	20/04/2007	21/04/2006	ELASTOMERIC EMULSION POLYMERS FOR MASONRY COATINGS  LUBRIZOL ADVANCED MATERIALS, INC.		15/05/2009	DELHI
46	270954	7303/DELNP/2008	20/12/2006	27/04/2006	A COATED ARTICLE	GUARDIAN INDUSTRIES CORP.	26/09/2008	DELHI
47	270955	592/DELNP/2010	18/07/2008	28/07/2007	PISTON RING	FEDERAL-MOGUL BURSCHEID GMBH	06/08/2010	DELHI
48	270956	7692/DELNP/2008	05/04/2007	06/04/2006	A PROCESS FOR PRODUCTION OF POLYETHYLENE TEREPHTHALATE	TEIJIN FIBERS LIMITED	24/10/2008	DELHI
49	270960	6358/DELNP/2007	16/02/2006	16/02/2005	SYSTEM AND METHOD FOR REGENERATION OF A FLUID	TRIOMED AB	07/09/2007	DELHI
50	270961	1065/DEL/2005	29/04/2005	27/05/2004	HANDHELD ELECTRONIC DEVICE INCLUDING VIBRATOR HAVING DIFFERENT VIBRATION INTENSITIES AND METHOD FOR VIBRATING A HANDHELD ELECTRONIC DEVICE	RESEARCH IN MOTION LIMITED	01/12/2006	DELHI
51	270963	4083/DELNP/2006	17/01/2005	15/01/2004	AN IN SITU DESALINATION APPARATUS	DESALN8 PTY LTD	22/06/2007	DELHI
52	270965	2958/DEL/2005	07/11/2005	09/11/2004	SIX-SPEED POWERTRAIN OF AN AUTOMATIC TRANSMISSION	HYUNDAI MOTOR COMPANY	31/07/2009	DELHI

53	270967	346/DEL/2006	06/02/2006	04/03/2005	GLASS FIBER REINFORCED POLYURETHANE/POLYISOCYA NURATE FOAM	GAZ TRANSPORT ET TECHNIGAZ	31/08/2007	DELHI
54	270968	8969/DELNP/2007	25/05/2006	31/05/2005	POLYTHIOETHER POLYMERS AND CURABLE COMPOSITIONS CONTAINING THEM	PRC-DESOTO INTERNATIONAL, INC.	11/01/2008	DELHI
55	270969	1038/DEL/2007	14/05/2007 11:31:10	18/05/2006	OXIDATION-STABLE IRON OXIDE PIGEMENTS, PROCESS FOR PREPARING THEM AND THEIR USE	LANXESS DEUTSCHLAND GMBH	23/11/2007	DELHI
56	270971	313/DEL/2009	18/02/2009 15:00:44		AN IMPROVED PROCESS TO DEPOSIT DIAMOND LIKE CARBON AS PROTECTIVE COATING ON INNER SURFACE OF A SHAPED OBJECT	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH	27/08/2010	DELHI
57	270972	5564/DELNP/2005	17/06/2004	18/06/2003	A MIRROR	AGC GLASS EUROPE	21/12/2007	DELHI
58	270974	2696/DEL/2008	28/11/2008 12:08:07		A NOVEL METHOD OF INDUCING CHIRALITY TO EPOXIDES USING 2,3:4,6 DI-O- ISOPROPYLIDENE-2-KETO-L- GULONIC ACID MONOHYDRATE IN LIPASE CATALSED EPOXIDATION OF OLEFIN WITH HYDROGEN PEROXIDE	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	04/06/2010	DELHI
59	270975	1148/DELNP/2006	29/07/2004	04/08/2003	THERMOLYSIS OF ORGANIC WASTE IN A BALL FURNACE	POULLEAU, GERARD,COLIGNON, PASCAL,HUSTACHE, FRANCOIS	10/08/2007	DELHI
60	270976	1363/DEL/2008	09/06/2008 12:55:40		A PROCESS FOR THE PREPARATION OF POLYMER ELECTROLYTES USING IONIC LIQUIDS	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	18/12/2009	DELHI
61	270977	599/DEL/2008	11/03/2008		A PROCESS FOR THE PREPARATION OF COPOLYMER-1 (COP I), COMPOSED OF L-ALANINE, L- LYSINE, L-GLUTAMIC ACID AND L-TYROSINE-DRUG FOR THE TREATMENT OF MULTIPLE SCLEROSIS	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	01/01/2010	DELHI
62	270978	1238/DEL/2008	19/05/2008 15:27:35		AN IMPROVED PROCESS FOR THE PREPARATION OF BORON NITRIDE COATED CARBON FIBER	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	23/04/2010	DELHI
63	270980	5960/DELNP/2009	03/03/2008	01/03/2007	PIM KINASE INHIBITORS AND METHODS OF THEIR USE	NOVARTIS AG	11/06/2010	DELHI
64	270984	700/DEL/2007	30/03/2007 13:04:19		A PROCESS FOR THE PRODUCTION OF 4-H GRAPHITE BY THERMAL PLASMA HEAT TREATMENT OF CALCINED PETROLEUM COKE POWDER	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH	21/11/2008	DELHI
65	270985	7958/DELNP/2007	27/04/2006	29/04/2005	PROCESS FOR THE PRODUCTION OF AQUEOUS BINDER LATICES	E.I. DU PONT DE NEMOURS AND COMPANY	09/11/2007	DELHI

66	270986	520/DEL/2006	28/02/2006		A REAGENT STRIP FOR RAPID DETECTION OF COLD SLAUGHTERED MEAT, A PROCESS FOR PREPARING THE SAME AND A METHOD OF DETECTION.	DIRECTOR GENERAL, DEFENCE RESEARCH & DEVELOPMENT ORGANISATION, MINISTRY OF DEFENCE	31/08/2007	DELHI
67	270988	1109/DEL/2004	11/06/2004	16/02/2004	A PROCESS FOR PRODUCING A SURFACE FINISH FROM INSECTS		23/06/2006	DELHI

### 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.

Seri al 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)	Appropriat e Office
1	270813	1196/MUMNP/2008	24/11/2006	24/11/2005	OPERATING A CONVERTER	BOMBARDIER TRANSPORTATION GMBH	11/07/2008	MUMBAI
2	270814	1879/MUM/2008	05/09/2008		BRUSH & HOLDER WITH INTEGRATED COOLANT SPRAY SYSTEM	PRAVIN MANILAL PANCHAL	17/10/2008	MUMBAI
3	270815	2311/MUM/2009	06/10/2009 15:01:07		A PROCESS FOR PRODUCTION OF ACROLEIN	YADAV GANAPATI DADASAHEB	26/11/2010	MUMBAI
4	270817	1158/MUMNP/2007	28/02/2006	28/02/2005	PROCESS DEVICE FOR DIAGNOSING OPERATION OF AN INDUSTRIAL PROCESS OR PROCESS DEVICE AND METHOD THEREOF	ROSEMOUNT INC	12/10/2007	MUMBAI
5	270819	511/MUMNP/2010	17/09/2008	17/09/2007	FORMULATIONS COMPRISING AN ANTI- MICROBIAL COMPOSITION	BYOTROL PLC	06/08/2010	MUMBAI
6	270821	549/MUM/2009	13/03/2009 15:31:54		PROCESS FOR THE PREPARATION OF INTERMEDIATES	INDOCO REMEDIES LIMITED	19/11/2010	MUMBAI
7	270830	202/MUM/2009	02/02/2009 16:49:03		PROCESS FOR PREPARATION OF NITROPYRIDINE DERIVATIVES	INDOCO REMEDIES LIMITED	27/08/2010	MUMBAI
8	270831	149/MUMNP/2009	21/06/2007	21/06/2006	SUBSTITUTED 1,3- DIPHENYLPROPANE DERIVATIVES,	GENFIT	15/05/2009	MUMBAI
9	270836	497/MUMNP/2007	19/09/2005	17/09/2004	WOUND CARE DRESSING AND METHOD USING SAME	DIXON, DAVID M	03/08/2007	MUMBAI
10	270838	981/MUMNP/2008	01/12/2006	01/12/2005	CONCURRENT INTERNET PROTOCOL CONNECTIVITY TO AN ACCESS TERMINAL AND A TETHERED DEVICE	QUALCOMM INCORPORATED,	05/09/2008	MUMBAI
11	270839	2335/MUMNP/2009	24/06/2008	25/06/2007	CATALYTIC HYDROGENATION OF CARBON DIOXIDE INTO SYNGAS MIXTURE •	SAUDI BASIC INDUSTRIES CORPORATION	04/06/2010	MUMBAI

12	270841	1879/MUMNP/2008	13/03/2007	17/03/2006	CONTINUOUS COLD ROLLING SYSTEM	MITSUBISHI- HITACHI METALS MACHINERY, INC.	13/02/2009	MUMBAI
13	270844	238/MUMNP/2010	29/04/2009	29/04/2009	NOVEL CHLORIN E6- FOLIC ACID CONJUGATE, PREPARATION METHOD THEREOF	DIATECH KOREA CO. LTD.	12/11/2010	MUMBAI
14	270848	1523/MUM/2006	22/09/2006		A METHOD OF MANUFACTURING OF HUMP HOSE	FLEETGUARD FILTERS PVT LTD	18/07/2008	MUMBAI
15	270849	1997/MUMNP/2011	23/03/2010	23/03/2009	HOLLOW FIBER MEMBRANE MODULE, FILTRATION APPARATUS USING THE SAME, AND METHOD FOR MANUFACTURING THE FILTRATION APPARATUS	KOLON INDUSTRIES, INC.	03/02/2012	MUMBAI
16	270850	1384/MUMNP/2010	01/12/2008	03/12/2007	METHOD FOR INCREASING THE DURABILITY OF GLASS AND A GLASS PRODUCT	BENEQ OY	12/11/2010	MUMBAI
17	270853	522/MUMNP/2008	28/08/2006	26/08/2005	FAST CELL SELECTION IN TD-CDMA (UMTS TDD)	QUALCOMM INCORPORATED	26/06/2009	MUMBAI
18	270856	1952/MUMNP/2008	06/04/2007	06/04/2006	ELECTRONIC VIDEO IMAGE STABILIZATION	QUALCOMM INCORPORATED	14/11/2008	MUMBAI
19	270859	209/MUMNP/2009	31/07/2007	04/08/2006	GRANULE AND ORALLY DISINTEGRATING TABLET COMPRISING OXYCODONE	ETHYPHARM	15/05/2009	MUMBAI
20	270860	1148/MUMNP/2008	29/11/2006	22/12/2005	MEASURING TRANSDUCER OF VIBRATION TYPE WITH A CURVED MEASURING TUBE	ENDRESS+HAUSER FLOWTEC AG	25/07/2008	MUMBAI
21	270865	1320/MUMNP/2008	16/02/2007	17/02/2006	ENCODING AND ADAPTIVE SCALABLE ACCESSING OF DISTRIBUTED MODELS	GOOGLE, INC.	19/09/2008	MUMBAI
22	270868	691/MUM/2007	05/04/2007		A PROCESS FOR AFFECTING REDUCTIVE CONVERSION REACTIONS OF POLLUTANTS IN A REACTOR USING WET PALLADIZED BACTERIAL CELLULOSE IMMOBILIZED ON DISC,	INDIAN INSTITUTE OF TECHNOLOGY	23/01/2009	MUMBAI
23	270878	1631/MUM/2008	31/07/2008		PHARMACEUTICAL COMPOSITION OF MEMANTINE AND PROCESS FOR THE PREPARATION THEREOF	UNICHEM LABORATORIES LIMITED	05/02/2010	MUMBAI
24	270879	1039/MUMNP/2007	20/12/2005	28/01/2005	METHOD FOR SPRAY DRYING COMPOSITIONS	UNILEVER PLC.	24/08/2007	MUMBAI
25	270880	2569/MUM/2008	10/12/2008		A FLUID CATALYTIC CRACKING (FCC) PROCESS FOR MANUFACTURING PROPYLENE AND ETHYLENE IN INCREASED YIELD	RELIANC E INDUSTRIES LIMITED	18/06/2010	MUMBAI
26	270882	1037/MUMNP/2010	12/12/2007	12/12/2007	PROCESS AND PLANT FOR PRODUCING CHAR AND FUEL GAS	OUTOTEC OYJ	17/09/2010	MUMBAI
27	270889	2189/MUM/2008	13/10/2008		SOLAR PHOTOVOLTAIC EFFICIENCY SYNCHRONIZED GENERATION INTERACTIVE LOAD CONTROL SYSTEM	MITESH SUBHASH PHALAK,SAMIR DILEEP KAMAT	12/12/2008	MUMBAI

28	270896	2355/MUMNP/2008	04/06/2007	02/06/2006	SYSTEMS FOR PERFORMING MEASUREMENTS OF ONE OR MORE MATERIALS	LUMINEX CORPORATION	27/02/2009	MUMBAI
29	270897	596/MUM/2008	24/03/2008 15:46:31		A MULTILAYER THERMOFORMABLE PACKAGING LAMINATE	BILCARE LIMITED	23/10/2009	MUMBAI
30	270898	2164/MUMNP/2008	27/03/2007	12/04/2006	A COMPOSITION ADAPTED FOR ORAL CONSUMPTION AND CAPABLE OF PROVIDING AN ANTI- AGEING EFFECT,	HINDUSTAN UNILEVER LIMITED	16/01/2009	MUMBAI
31	270905	668/MUM/2009	23/03/2009 16:04:55		PROCESS FOR PREPARATION OF A BILAYER TABLET	FDC LIMITED	03/12/2010	MUMBAI
32	270906	1761/MUMNP/2008	02/02/2007	17/02/2006	LAUNDRY TREATMENT COMPOSITIONS	HINDUSTAN UNILEVER LIMITED	12/12/2008	MUMBAI
33	270910	2057/MUM/2006	15/12/2006 15:28:56		STABLE PHARMACEUTICAL COMPOSITIONS OF BETA ADRENORECEPTOR BLOCKER AND A CALCIUM CHANNEL BLOCKER	IPCA LABORATORIES LIMITED	25/07/2008	MUMBAI
34	270911	40/MUMNP/2011	16/06/2009	11/07/2008		HINDUSTAN UNILEVER LIMITED	09/12/2011	MUMBAI
35	270924	1250/MUMNP/2009	24/01/2008	24/01/2007	METHOD AND APPARATUS FOR SETTING CACHE POLICIES IN A PROCESSOR	QUALCOMM INCORPORATED	05/03/2010	MUMBAI
36	270952	264/MUMNP/2009	13/08/2007	16/08/2006	PLASMA TORCH HEAD, PLASMA TORCH SHAFT AND PLASMA TORCH	KJELLBERG FINSTERWALDE PLASMA UND MASCHINEN GMBH	22/05/2009	MUMBAI
37	270958	539/MUMNP/2010	08/10/2008	08/10/2007	COMPRESSOR HAVING A POWER FACTOR CORRECTION SYSTEM AND METHOD	EMERSON CLIMATE TECHNOLOGIES, INC.	13/08/2010	MUMBAI
38	270959	1142/MUMNP/2008	07/12/2005	07/12/2005	A NOVEL CATALYTIC REACTOR PROCESS FOR THE PRODUCTION OF COMMERCIAL GRADE PULP NATIVE LIGNIN AND UNICELLULAR PROTEIN	O'FLYNN, KELLY, ANTHONY,RODRIGUE Z RIVERA JOSE ANTONIO	18/07/2008	MUMBAI
39	270982	21/MUM/2006	06/01/2006		PURIFICATION DEVICES	KULKARNI AVINASH DATTATRAYA	10/08/2007	MUMBAI
40	270994	1430/MUMNP/2009	20/02/2008	27/02/2007	AN APPARATUS FOR ADJUSTING LINEARITY IN A SATELLITE POSITIONING SYSTEM (SPS) RECEIVER AND A METHOD THEREOF	QUALCOMM INCORPORATED	09/04/2010	MUMBAI
41	271004	499/MUM/2008	11/03/2008 16:30:23		AN IMPROVED PROCESS FOR THE PREPARATION AND PURIFICATION OF ZIPRASIDONE	ALKEM LABORATORIES LTD.	16/10/2009	MUMBAI
42	271007	2633/MUMNP/2008	14/06/2007	15/06/2006	RADIO TRANSMISSION DEVICE AND RADIO TRANSMISSION METHOD	GODO KAISHA IP BRIDGE	13/03/2009	MUMBAI

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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)	Appropriate Office
1	270925	4985/CHENP/2008	23/03/2006	23/03/2006	ENERGY SUPPLY SYSTEM AND METHOD RELATED THERETO	ABB TECHNOLOGY LTD.	13/03/2009	CHENNAI
2	270926	2291/CHE/2006	11/12/2006 12:48:00		AN IMPROVED PROCESS FOR THE PREPARATION OF PURINE DERIVATIVE	AUROBINDO PHARMA LIMITED	12/12/2008	CHENNAI
3	270928	7426/CHENP/2009	30/08/2007	30/08/2007	VEHICLE AC GENERATOR	MITSUBISHI ELECTRIC CORPORATION	09/04/2010	CHENNAI
4	270945	1600/CHENP/2008	05/10/2006	08/10/2005	OPTICAL DEMODULATING APPARATUS AND METHOD	LUCENT TECHNOLOGIES INC.	28/11/2008	CHENNAI
5	270949	2743/CHENP/2009	15/11/2007	20/11/2006	PROVIDING AN ADVERTISEMENT TO A CALLING PARTY BEFORE RINGBACK	LUCENT TECHNOLOGIES INC.,	21/08/2009	CHENNAI
6	270964	3888/CHENP/2009	06/03/2007	22/01/2007	ASSURED PACKET DATA SERVICES ASSOCIATED WITH COMMUNICATION NETWORKS	Qualcomm Incorporated	11/06/2010	CHENNAI
7	270983	5031/CHENP/2009	21/01/2008	01/02/2007	EMPLOYING A BUFFER TO FACILITATE INSTRUCTION EXECUTION •	INTERNATIONAL BUSINESS MACHINES CORPORATION	25/06/2010	CHENNAI
8	270989	2045/CHE/2009	26/08/2009 10:13:00	29/08/2008	SELECTIVE ETCHING OF SILICON DIOXIDE COMPOSITIONS	AIR PRODUCTS AND CHEMICALS, INC	05/03/2010	CHENNAI
9	270999	4648/CHENP/2008	02/02/2007	03/02/2006	A PROCESS FOR FUNCTIONALIZING TITANIUM METAL SURFACES WITH NANOMETRIC PARTICLES OF TITANIUM AND PRODUCTS THUS FUNCTIONALIZED	COLOROBBIA ITALIA S.p.A	13/03/2009	CHENNAI

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Seri al 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	270810	4405/KOLNP/2008	19/04/2007	01/05/2006	TRANSMITTING APPARATUS, RECEIVING APPARATUS, AND PAGING INFORMATION RECEPTION METHOD	NTT DoCoMo, INC.	06/03/2009	KOLKATA
2	270816	195/KOLNP/2009	09/07/2007	24/07/2006	HANDSET DEVICE WITH LAMINATED ARCHITECTURE	MOTOROLA MOBILITY LLC	01/05/2009	KOLKATA
3	270818	3571/KOLNP/2007	16/02/2007	28/03/2006	PROCESS CHAMBER AND METHOD FOR PROCESSING A MATERIAL BY A DIRECTED BEAM OF ELECTROMAGNETIC RADIATION, IN PARTICULAR FOR A LASER SINTERING DEVICE	EOS GMBH ELECTRO OPTICAL SYSTEMS	31/10/2008	KOLKATA
4	270820	1764/KOLNP/2007	04/11/2005	04/11/2004	COMPRESSION AND COLD WELD SEALING METHODS AND DEVICES	MICROCHIPS BIOTECH, INC.	10/08/2007	KOLKATA
5	270822	460/KOL/2008	06/03/2008	03/05/2007	METHOD FOR RESTARTING AN INTERNAL COMBUSTION ENGINE OF A HYBRID POWERTRAIN DURING ONGOING VEHICLE OPERATION	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	17/04/2009	KOLKATA
6	270824	4631/KOLNP/2007	05/05/2006	06/05/2005	SPRAY NOZZLE, SPRAY DEVICE AND METHOD OF OPERATING A SPRAY NOZZLE AND A SPRAY DEVICE	WURZ, DIETER	08/02/2008	KOLKATA
7	270825	3462/KOLNP/2006	18/11/2004	18/11/2004	THERMOSTAT DEVICE	NIPPON THERMOSTAT CO., LTD.	15/06/2007	KOLKATA
8	270826	3647/KOLNP/2008	01/02/2007	15/03/2006	METHOD FOR THE OPERATION OF A ROLLING MILL USED FOR MILLING A STRIP - SHAPED ROLLING STOCK	SIEMENS AKTIENGESELLSCHA FT	20/02/2009	KOLKATA

9	270827	3630/KOLNP/2008	03/01/2007	15/03/2006	WIND TURBINE AND METHOD OF DETERMINING AT LEAST ONE ROTATION PARAMETER OF A WIND TURBINE ROTOR	SIEMENS AKTIENGESELLSCHA FT	20/02/2009	KOLKATA
10	270828	643/KOLNP/2007	14/08/2005	13/08/2004	A SYSTEM AND A METHOD FOR A MULTIPLE TRACK PROFILE WRAPPING MACHINE	HARDOOR MECHANISM PRODUCTION LTD.	06/07/2007	KOLKATA
11	270829	798/KOL/2008	30/04/2008	17/05/2007	RADIATOR COVER OF STRADDLE-TYPE VEHICLE AND STRADDLE-TYPE VEHICLE PROVIDED WITH THE SAME	YAMAHA HATSUDOKI KABUSHIKI KAISHA	05/06/2009	KOLKATA
12	270833	4785/KOLNP/2007	10/07/2006	12/07/2005	METHODS OF TRANSFERRING PHOTOVOLTAIC CELLS	KONARKA TECHNOLOGIES, INC.,LEONHARD KURZ STIFTUNG & CO. KG	09/05/2008	KOLKATA
13	270834	1620/KOLNP/2009	04/10/2006	04/10/2006	METHOD, APPARATUS AND SYSTEM FOR AUTHENTICATION OF EXTERNAL STORAGE DEVICES	TREK 2000 INTERNATIONAL LTD.	29/05/2009	KOLKATA
14	270835	975/KOLNP/2010	22/08/2008	24/08/2007	PROCESS FOR PRODUCING LIQUID AND GASEOUS PRODUCTS FROM GASEOUS REACTANTS	SASOL TECHNOLOGY (PROPRIETARY) LIMITED	06/08/2010	KOLKATA
15	270842	3506/KOLNP/2006	03/06/2005	04/06/2004	LEVODOPA PRODRUGS, AND COMPOSITIONS AND USES THEREOF	XENOPORT , INC.	15/06/2007	KOLKATA
16	270845	3896/KOLNP/2009	27/06/2008	29/06/2007	TABLET AND DEVICE FOR THE EVAPORATION OF VOLATILE SUBSTANCES	ZOBELE HOLDING SPA	16/04/2010	KOLKATA
17	270857	4239/KOLNP/2007	11/04/2005	11/04/2005	A METHOD AND AN APPARATUS FOR CONTROLLING PACKET TRANSMISSIONS FROM A SERVER TO A CLIENT HAVING A CLIENT BUFFER	GET LM ERICSSON	02/01/2009	KOLKATA
18	270862	2968/KOLNP/2007	27/11/2006	02/12/2005	METHOD AND SYSTEM FOR SENDING MESSAGES IN A TELECOMMUNICATION S NETWORK	BOOKIT OY AJANVARAUSPALVE LU	14/09/2007	KOLKATA
19	270866	1370/KOL/2008	14/08/2008	18/09/2007	AN ELECTRO- HYDRAULIC CONTROL SYSTEM FOR A TRANSMISSION	GM GLOBAL TECHNOLOGY OPERATIONS, INC	01/05/2009	KOLKATA

20	270867	1823/KOLNP/2007	10/11/2004	10/11/2004	A TOWER PART FOR A WIND TURBINE, AN APERTURE COVER SYSTEM, A METHOD FOR MANUFACTURING A TOWER PART AND USES THEREOF	VESTAS WIND SYSTEMS A/S	10/08/2007	KOLKATA
21	270869	1701/KOL/2008	01/10/2008	06/11/2007	MULTI-SPEED TRANSMISSION WITH EXTERNAL DRIVE GEARSETS	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	05/06/2009	KOLKATA
22	270870	2800/KOLNP/2008	18/04/2007	18/04/2006	A REFRIGERATOR HAVING AN ICE SUPPLY SYSTEM	LG ELECTRONICS INC.	23/01/2009	KOLKATA
23	270872	1396/KOLNP/2007	29/11/2005	10/12/2004	ARRANGEMENT AND METHOD FOR CONTROLLING DRILLING PARAMETERS	ATLAS COPCO ROCK DRILLS AB	20/07/2007	KOLKATA
24	270881	1716/KOL/2007	20/12/2007	21/12/2006	AN IMPROVED WRENCH	PROXENE TOOLS CO., LTD.	18/07/2008	KOLKATA
25	270883	660/KOL/2008	01/04/2008	26/04/2007	CONTACT DEVICE FOR PROVIDING AN ELECTRICAL CONTACT BETWEEN FLAT CURRENT CARRYING LINE ELEMENTS	MULTI-HOLDING AG	05/06/2009	KOLKATA
26	270884	450/KOL/2007	22/03/2007 15:08:01	23/03/2006	MARKED SUTURE	ETHICON ENDO- SURGERY, INC	12/10/2007	KOLKATA
27	270885	1382/KOLNP/2008	07/09/2006	06/10/2005	DC MOTOR WITH ASYMMETRICAL POLES	BORG WARNER INC.	26/12/2008	KOLKATA
28	270886	1573/KOLNP/2008	02/10/2006	24/10/2005	REMOVING TIME DELAYS IN SIGNAL PATHS	LG ELECTRONICS INC.	09/01/2009	KOLKATA
29	270887	2868/KOLNP/2007	26/01/2006	26/01/2005	PLASMA-GENERATING PLUG	RENAULT S.A.S	07/09/2007	KOLKATA
30	270888	2277/KOLNP/2007	12/12/2005	13/12/2004	REDUCTION OF HARMONICS IN AN ELECTRIC MOTOR	KONE CORPORATION	17/08/2007	KOLKATA
31	270894	3358/KOLNP/2009	19/03/2008	19/03/2007	NOVEL POLYAMIDE- POLYSILOXANE COMPOUNDS	MOMENTIVE PERFORMANCE MATERIALS GMBH	18/12/2009	KOLKATA
32	270902	243/KOL/2008	12/02/2008	09/03/2007	A METHOD OF DISTRIBUTING SPENT CATALYST IN A SPENT CATALYST REGENERATOR FOR A FLUIDIZED CATALYTIC CRACKING UNIT	TECHNIP PROCESS TECHNOLOGY, INC.	17/04/2009	KOLKATA
33	270903	622/KOLNP/2008	19/07/2006	19/07/2005	HEALTH MONITORING DEVICE, DEVICE MODULES AND METHOD	IHQ INNOVATION HEADQUARTERS OY	14/11/2008	KOLKATA

34	270904	3735/KOLNP/2008	03/04/2007	06/04/2006	SET INITIATED AREA EVENT TRIGGERED POSITIONING METHOD IN MOBILE COMMUNICATION SYSTEM	LG ELECTRONICS INC.	20/02/2009	KOLKATA
35	270907	369/KOL/2005	18/04/2001	27/10/1998	DEVICE AND METHOD FOR PRODUCING A SET OF PITCH CODEBOOK PARAMETERS	VOICEAGE CORPORATION	13/07/2007	KOLKATA
36	270908	2711/KOLNP/2008	16/12/2005	16/12/2005	A METHOD AND A TRANSMITTER/RECEIV ER FOR REDUCED SIGNALING IN A RETRANSMISSION SYSTEM USING HYBRID AUTOMATIC REPEAT	TELEFONAKTIEBOLA GET LM ERICSSON (PUBL)	23/01/2009	KOLKATA
37	270909	3481/KOLNP/2008	05/02/2006	05/02/2006	METHOD AND DEVICE FOR INSTALLING PACKET FILTERS IN A DATA TRANSMISSION	TELEFONAKTIEBOLA GET LM ERICSSON (PUBL)	20/02/2009	KOLKATA
38	270912	1130/KOLNP/2009	04/07/2007	18/10/2006	METHOD AND DEVICE FOR CONTROLLING FLOOR IN PUSH TO SERVICE	LG ELECTRONICS INC.	22/05/2009	KOLKATA
39	270914	242/KOLNP/2010	15/05/2008	27/07/2007	A HOLLOW-FIBRE MEMBRANE ASSEMBLY HAVING THE FUNCTION OF PREVENTING THE MEMBRANE FILAMENTS FROM CRACKING	SUZHOU LITREE PURIFYING TECHNOLOGY CO. LTD.	31/10/2014	KOLKATA
40	270915	957/KOLNP/2009	16/08/2006	16/08/2006	GGSN PROXY FOR ONE TUNNEL SOLUTION	TELEFONAKTIEBOLAG ET LM ERICSSON (PUBL)	22/05/2009	KOLKATA
41	270916	3191/KOLNP/2008	09/01/2006	09/01/2006	BI-CASTING OF PAYLOAD PACKETS	TELEFONAKTIEBOLA GET LM ERICSSON (PUBL)	13/02/2009	KOLKATA
42	270917	3835/KOLNP/2008	24/02/2006	24/02/2006	TECHNIQUE FOR CONFIGURING LINK LAYER ENTITIES FOR A HANDOVER	TELEFONAKTIEBOLA GET LM ERICSSON (PUBL)	27/02/2009	KOLKATA
43	270918	3045/KOLNP/2008	30/12/2005	30/12/2005	REDIRECT TO PRIMARY PDP	TELEFONAKTIEBOLA GET LM ERICSSON (PUBL)	06/02/2009	KOLKATA
44	270919	675/KOLNP/2007	14/07/2006	08/08/2005	METHOD FOR STAMPING ANY ETHERNET FRAMES IN CONJUCTION WITH STANDARD ETHERNET	SIEMENS AKTIENGESELLSCHA FT	06/07/2007	KOLKATA
45	270920	765/KOLNP/2008	25/08/2006	26/08/2005	A METHOD OF ESTABLISHING A SESSION KEY AND UNITS FOR IMPLEMENTING THE METHOD	VIACCESS	21/11/2008	KOLKATA

46	270921	3705/KOLNP/2009	26/04/2007	26/04/2007	BASE STATION, MOBILE STATION, COMMUNICATION SYSTEM, TRANSMISSION METHOD AND REORDERING METHOD	FUJITSU LIMITED	19/03/2010	KOLKATA
47	270927	2741/KOLNP/2007	08/02/2006	09/02/2005	A METHOD FOR PRODUCING AN OCULAR DEVICE	ESSILOR INTERNATIONAL (COMPAGNIE GENERALE D'OPTIQUE)	31/08/2007	KOLKATA
48	270935	4641/KOLNP/2008	25/04/2007	28/04/2006	PHARMACEUTICAL COMBINATION COMPRISING 3-(3- DIMETHYLAMINO-1- ETHYL-2-METHYL- PROPYL)-PHENOL AND PARACETAMOL	GRUNENTHAL GMBH	13/03/2009	KOLKATA
49	270936	2091/KOLNP/2007	02/12/2005	07/12/2004	FASTENER FOR A CAR- BODY STRAIGHTENING DEVICE	AUTOROBOT FINLAND OY	10/08/2007	KOLKATA
50	270937	365/KOL/2006	21/04/2006		AN IMPROVED COOLING SYSTEM IN THE SECONDARY COOLING ZONE IN A CONTINUOUS SLAB CASTING PROCESS	TATA STEEL LIMITED	10/04/2009	KOLKATA
51	270938	1559/KOLNP/2008	09/11/2006	12/10/2006	MANUFACTURING EQUIPMENT OF ELECTRIC RESISTANCE WELDING PIPES HAVING EXCELLENT CHARACTERIZATION OF WELDED SEAM	JFE STEEL CORPORATION	17/04/2009	KOLKATA
52	270939	2801/KOLNP/2007	18/01/2006	26/01/2005	HEAD CAP FOR AEROSOL TYPE ATOMIZER	FUMAKILLA LIMITED	07/09/2007	KOLKATA
53	270940	841/KOL/2004	21/12/2004		DEVICE AND METHOD FOR MACHINE CONTROL	WALTER MASCHINENBAU GMBH	27/10/2006	KOLKATA
54	270942	1668/KOL/2008	26/09/2008	23/04/2008	A METHOD AND A CONTROL SYSTEM FOR DETERMINING MASS AIR FLOW	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	30/10/2009	KOLKATA
55	270943	665/KOL/2004	26/10/2004		FLOATING TERMINAL FOR LOADING/OFFLOADING SHIPS SUCH AS METHANE TANKERS	DORIS ENGINEERING	15/09/2006	KOLKATA
56	270944	3546/KOLNP/2009	28/03/2008	18/04/2007	METHOD FOR STABILIZING MENTHYL LACTATE	MILLENNIUM SPECIALTY CHEMICALS, INC.	22/01/2010	KOLKATA
57	270946	1718/KOLNP/2007	04/11/2005	04/11/2004	A CAP WITH A CONTAINER HAVING TWO CHAMBERS FOR KEEPING TWO COMPONENTS SEPARATED UNTIL USED	VIZ ENTERPRISES, LLC	27/07/2007	KOLKATA

58	270950	4013/KOLNP/2007	06/04/2006	28/04/2005	PROCESS FOR THE PRODUCTION OF	CELANESE INTERNATIONAL	04/04/2008	KOLKATA
36	270930	4013/KOLNF/2007	00/04/2000	26/04/2003	ACETIC ACID	CORPORATIONAL	04/04/2008	KOLKATA
59	270951	255/KOL/2007	20/02/2007 15:42:03	01/03/2006	APPARATUS FOR EMITTING LINEAR LIGHT	TEXMAG GMBH VERTRIEBSGESELLS CHAFT GMBH	28/09/2007	KOLKATA
60	270953	4218/KOLNP/2009	04/06/2008	06/06/2007	CELLULOSE-BASED FINE CORE PARTICLE AND PROCESS FOR PRODUCING THE SAME	ASAHI KASEI CHEMICALS CORPORATION	09/04/2010	KOLKATA
61	270957	4905/KOLNP/2008	13/06/2007	19/06/2006	USER APPARATUS, BASE STATION, AND METHOD IN MOBILE COMMUNICATION SYSTEM	NTT DoCoMo, INC.	20/03/2009	KOLKATA
62	270962	2971/KOLNP/2009	14/02/2008	21/02/2007	PROCESS FOR PREPARING ALKOXYLATION CATALYST AND ALKOXYLATION PROCESS	SASOL NORTH AMERICA INC.	20/08/2010	KOLKATA
63	270966	467/KOL/2009	17/03/2009 15:02:28		A METHOD AND SYSTEM FOR NON- INVASIVE QUANTITATIE ESTIMATION OF BILIRUBIN IN HUMAN BODY	S.N. BOSE NATIONAL CENTRE FOR BASIC SCIENCES	01/05/2009	KOLKATA
64	270970	3301/KOLNP/2008	23/01/2007	24/01/2006	A COMPOUND OF FORMULA (I)	JANSSEN PHARMACEUTICA N.V.	13/02/2009	KOLKATA
65	270973	477/KOL/2008	07/03/2008 16:17:31	09/03/2007	METHOD FOR TURNING A THREE-PHASE CURRENT MOTOR ON AGAIN AND ELECTRICAL CIRCUIT FOR IMPLEMENTING THE METHOD	ATLAS COPCO ENERGAS GMBH	17/04/2009	KOLKATA
66	270979	2112/KOL/2008	05/12/2008 16:19:18	18/01/2008	METHODS FOR COMMON MODE VOLTAGE BASED AC FAULT DETECTION, VERIFICATION AND/OR IDENTIFICATION	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	31/07/2009	KOLKATA
67	270981	2873/KOLNP/2007	31/01/2005	31/01/2005	LEAK CURRENT BREAKER AND METHOD	ATOJI TOYOTSUGU,OHNO, TAKEMI,KASHIRAMO TO YORIKAZU	07/09/2007	KOLKATA
68	270987	4679/KOLNP/2010	10/07/2009	14/07/2008	POLYOLEFIN COMPOSITION WITH LOW CLTE	BOREALIS AG	25/02/2011	KOLKATA
69	270992	379/KOLNP/2010	03/09/2008	04/09/2007	ZINC-BASED METAL PLATED STEEL SHEET	JFE STEEL CORPORATION	13/08/2010	KOLKATA

70	270996	2716/KOLNP/2007	21/12/2005	07/01/2005	VIEWING DEVICE FOR INDUSTRIAL PROCESS TRANSMITTERS	ROSEMOUNT, INC.	31/08/2007	KOLKATA
71	271000	61/KOL/2005	01/02/2005		A METHOD OF CLEANING OF MESH FILTERS	THE TATA IRON AND STEEL COMPANY LIMITED	24/08/2007	KOLKATA
72	271001	4007/KOLNP/2007	26/05/2006	26/05/2005	METHOD AND APPARATUS FOR ACCESSING A WIRELESS COMMUNICATION NETWORK	MOTOROLA, INC.	30/05/2008	KOLKATA
73	271003	1106/KOL/2006	20/10/2006 15:30:18	03/11/2005	ELECTROSURGICAL STAPLING INSTRUMENT WITH DISPOSABLE SEVERING /STAMPLING UNIT	ETHICON ENDO- SURGERY,INC	06/07/2007	KOLKATA

# **CONTINUED TO PART-3**

### **CONTINUED FROM PART- 2**

# **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.

## CANCELLATION PROCEEDINGS under Section 19 of the Designs Act, 2000 & Designs (Amendment) Rules, 2008

**(1)** 

"The Dy. Controller of Patents & Designs passed an order on 20/01/2016 to dismiss the petition for cancellation (Petition No. Can/002/2014) filed by T.K. Shawal Industries Private Limited, a company incorporated under the Companies Act, 1956, having its office at 656-G, TMA Lane, Basant Avenue, Near Basant Park, Amritsar 143001, Punjab, India on 12/2/2014 in respect of registered Design No. 252082 dated 5/3/2013 under class 02-05 titled as 'Scarf' in the name of Kay Cee Exports, whose sole proprietor is Harish Chander Sharma, whose address is 19, Tehsil Pura, Amritsar- 143001, Punjab State, India, who is Indian national."

**(2)** 

"The Dy. Controller of Patents & Designs passed an order on 20/01/2016 to dismiss the petition for cancellation (Petition No. Can/003/2007) filed by Sanjay Sen, carry on business under the name and style of 'RIMPAI' as sole proprietor thereof at Manna Para, Monirampur, P.O. & P.S. Barrackpore, North 24 Parganas, Kolkata-700120 on 7/2/2007 in respect of registered Design No. 203935 dated 18/4/2006 under class 05-05 titled as 'Head Scarf' in the name of Meghna Group, of Industrial Estate, Phase-II, S-9, Kalyani, Nadia, 741235, W.B. (India), an Indian proprietory concern, whose proprietor is Jolly Guhathakurta."

**(3)** 

"The Dy. Controller of Patents & Designs passed an order on 20/01/2016 to dismiss the petition for cancellation (Petition No. Can/004/2007) filed by Sanjay Sen, carry on business under the name and style of 'RIMPAI' as sole proprietor thereof at Manna Para, Monirampur, P.O. & P.S. Barrackpore, North 24 Parganas, Kolkata-700120 on 7/2/2007 in respect of registered Design No. 203936 dated 18/4/2006 under class 05-05 titled as 'Head Scarf' in the name of Meghna Group, of Industrial Estate, Phase-II, S-9, Kalyani, Nadia, 741235, W.B. (India), an Indian proprietory concern, whose proprietor is Jolly Guhathakurta."

# **COPYRIGHT PUBLICATION**

SL NO	REGISTERED DESIGN NUMBERS	RENEWED ON
1.	195414	17.12.2015
2.	195946	17.12.2015
3.	200358	18.12.2015
4.	203372	18.12.2015
5.	195206	18.12.2015
6.	195947	18.12.2015
7.	251003	21.12.2015
8.	202265	04.01.2016
9.	191340	18.01.2016

### **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

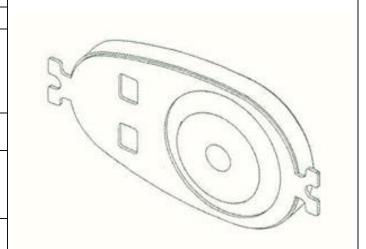
DESIGN NUMBER	247602	
CLASS	11-01	
1)MINAWALA GEMS & JEWELS INCORPORATED IN INDIA UNDER ADDRESS IS 95, HEERA PANNA, HAJI ALI, MU MAHARASHTRA WITHIN THE UNIONATIONALITY	THE COMPANIES ACT, 1956 WHOSE UMBAI 400026 IN THE STATE OF	
DATE OF REGISTRATION	03/09/2012	
TITLE	PENDANT	
PRIORITY NA		
DESIGN NUMBER	271495	
CLASS	23-04	
1)CROMPTON GREAVES LIMITE CG HOUSE, 6TH FLOOR, DR. AND MAHARASHTRA, INDIA; AN INDIAN	NIE BESANT ROAD, WORLI, MUMBAI - 400030,	
DATE OF REGISTRATION	17/04/2015	
TITLE	TABLE FAN	
PRIORITY NA		
DESIGN NUMBER	274523	
CLASS	05-05	VATA AVANTO ATA AVATO
UNDER THE PROVISION OF COMI REGISTERED OFFICE AT	INTS PVT. LTD. A COMPANY REGISTERED PANIES ACT, 1956 HAVING ITS  NDESARA, SURAT-394221 GUJARAT	
DATE OF REGISTRATION	17/08/2015	
TITLE	TEXTILE FABRIC	
PRIORITY NA		

DESIGN NUMBER	269209
CLASS	15-09

#### 1)KROSAKI HARIMA CORPORATION, A CORPORATION ORGANIZED UNDER THE LAWS OF JAPAN, OF

1-1, HIGASHIHAMAMACHI, YAHATANISHI-KU, KITAKYUSHU CITY, FUKUOKA, 806-8586, JAPAN

DATE OF REGISTRATION	30/01/2015
TITLE	NOZZLE PLATE FOR USE IN NOZZLE APPARATUS FOR CONTROLLING FLOW RATE OF MOLTEN STEEL



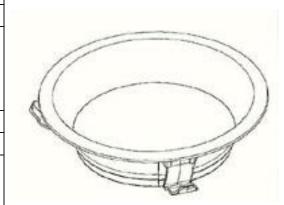
### PRIORITY NA

DESIGN NUMBER	269139	
CLASS	26-05	
1) DITOTO OLUD DUDI A LED	A 22 DOMAL INDUGEDIAL EGEAGE	

# 1)PHOTOQUIP INDIA LTD., A-33, ROYAL INDUSTRIAL ESTATE, NAIGAON CROSS ROAD, WADALA, MUMBAI-400031, STATE OF MAHARASHTRA, INDIA, /

A LIMITED COMPANY INCORPORATED UNDER INDIAN COMPANIES ACT., ABOVE ADDRESS

DATE OF REGISTRATION 29/01/	2013
TITLE DOWN I	LIGHT



#### PRIORITY NA

DESIGN NUMBER	247600
CLASS	11-01

# 1)MINAWALA GEMS & JEWELS PRIVATE LIMITED, A COMPANY INCORPORATED IN INDIA UNDER THE COMPANIES ACT, 1956 WHOSE ADDRESS IS

95, HEERA PANNA, HAJI ALI, MUMBAI 400026 IN THE STATE OF MAHARASHTRA WITHIN THE UNION OF INDIA, WHO ARE INDIAN BY NATIONALITY

DATE OF REGISTRATION	03/09/2012
TITLE	PENDANT



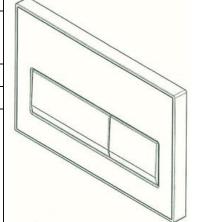
DESIGN NUMBER		272993	
CLASS		08-06	
1) <b>DILIP ENTERPRISES IS A PRO</b> 11, RUPAL 2ND ESTATE, 1ST F BHATWADI, GHATKOPAR (W), M	LOOR, OPP NAGAR W	ALA OIL DEPOT,	
DATE OF REGISTRATION	23	3/06/2015	2
TITLE	DOO	R HANDLES	
PRIORITY NA			
DESIGN NUMBER		265376	
CLASS		09-01	
1)WEENER EMPIRE PLASTICS 19A, MIRA CO-OPERATIVE INI HIGHWAY, MIRA ROAD (E) 40110	DUSTRIAL ESTATE, W	ESTERN EXPRESS	
DATE OF REGISTRATION	02	2/09/2014	
TITLE	BOTTLE WITH CAP		
PRIORITY NA			
DESIGN NUMBER	275387		
CLASS		04-02	
1)COLGATE-PALMOLIVE COM 300 PARK AVENUE, NEW YOR			
AMERICA	07	7/09/2015	
AMERICA  DATE OF REGISTRATION			
AMERICA  DATE OF REGISTRATION  TITLE  PRIORITY  PRIORITY NUMBER  29/521,606		7/09/2015	

DESIGN NUMBER 264076
CLASS 23-02

#### 1)GEBERIT INTERNATIONAL AG

SCHACHENSTRASSE 77, 8645 JONA, SWITZERLAND, A COMPANY OF SWITZERLAND

DATE OF REGISTRATION	16/07/2014
TITLE	CONTROL PANEL FOR TOILET FLUSH TANKS



#### **PRIORITY**

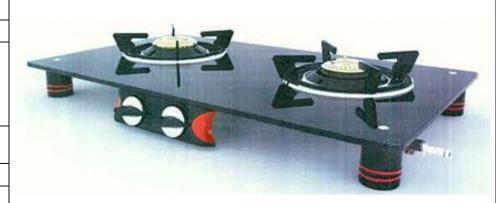
PRIORITY NUMBER	DATE	COUNTRY
787158501	17/01/2014	WIPO

DESIGN NUMBER         272572           CLASS         07-02	1)N D VENKAT	PESAN AN INDIAN
2.725.72	CLASS	07-02
DEGLGN	DESIGN NUMBER	272572

## NATIONAL, HAVING ADDRESS AT C6, SRI VARAHA FLATS, NO 57/1,

GANGAI AMMAN KOIL STREET, JAFFERKHANPET, CHENNAI 600083

DATE OF REGISTRATION	05/06/2015
TITLE	GAS STOVE

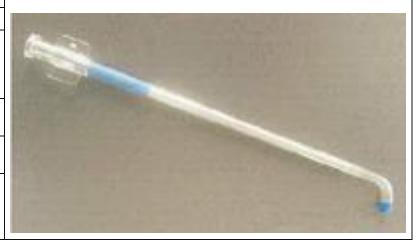


## PRIORITY NA

DESIGN NUMBER	272326
CLASS	24-01

#### 1)MERIL LIFE SCIENCES PRIVATE LIMITED SURVEY NO. 135/139, BILAKHIA HOUSE, MUKTANAND MARG, CHALA, VAPI 396191, GUJARAT, INDIA

DATE OF REGISTRATION	25/05/2015
TITLE	SINUS DILATION GUIDE CATHETER



DESIGN NUMBER		274558	
CLASS	05-05		4,4,4,4,4,4,4,4,4,4,4,4,4,4
1)SIDDHI VINAYAK KNOTS UNDER THE PROVISION OF C REGISTERED OFFICE AT A-26, CENTRAL PARK, GIDO	COMPANIES ACT, 1956 H	IAVING ITS	
DATE OF REGISTRATION	17	7/08/2015	
TITLE	TEXT	TLE FABRIC	
PRIORITY NA			
DESIGN NUMBER		275008	
CLASS		23-02	
<b>1)GEBERIT INTERNATIONA</b> SCHACHENSTRASSE 77, 864 SWITZERLAND		A COMPANY OF	
DATE OF REGISTRATION	28	3/08/2015	
TITLE	CONTROL PANEL F	OR TOILET FLUSH TANKS	
PRIORITY PRIORITY NUMBER 902720901	DATE 24/06/2015	COUNTRY WIPO	
DESIGN NUMBER		263973	
CLASS		24-99	
1)LAM WAI KWONG., A CHI UNIT 4, 2/F, WAH YIU INDU TAN, N.T., HONG KONG	STRIAL CENTRE, 30-32 A	U PUI WAN STREET, FO	
DATE OF REGISTRATION		1/07/2014	
TITLE	TOOTH BAT FOR H	TOOTH BAT FOR HOLDING DENTAL FLOSS	
PRIORITY PRIORITY NUMBER 201430020595.8	DATE 25/01/2014	COUNTRY CHINA	

DESIGN NUMBER	263553
CLASS	13-03
CLASS	13-03

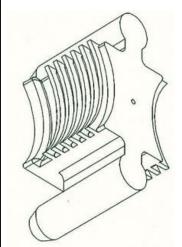
### 1) ROXTEC AB, A SWEDISH JOINT STOCK COMPANY, OF

PO BOX 540 (STREET ADDRESS: ROMBVÄGEN 2) SE-37123 KARLSKRONA, SWEDEN

DATE OF REGISTRATION	20/06/2014
TITLE	PART OF LID OF A SPLICE BOX

#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
002376459	23/12/2013	OHIM



DESIGN NUMBER	272433
CLASS	23-04

#### 1)BRY-AIR (ASIA) PVT LTD

20, RAJPUR ROAD, DELHI-110054, INDIAN COMPANY.

DATE OF REGISTRATION	29/05/2015	
TITLE	DEHUMIDIFIER	



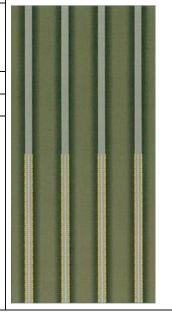
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CLASS	05-05

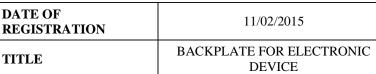
# 1)SIDDHI VINAYAK KNOTS & PRINTS PVT. LTD. A COMPANY REGISTERED UNDER THE PROVISION OF COMPANIES ACT, 1956 HAVING ITS REGISTERED OFFICE AT

A-26, CENTRAL PARK, GIDC, PANDESARA, SURAT-394221 GUJARAT

DATE OF REGISTRATION	17/08/2015	
TITLE	TEXTILE FABRIC	

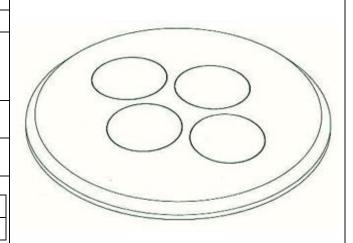


DESIGN NUMBER	269504
CLASS	14-99
1)APPLE INC.,  1 INFINITE LOOP, CUPERTINO, CALIFORNIA 95014, UNITED STATES OF AMERICA, A CORPORATION INCORPORATED IN THE STATE OF CALIFORNIA	
DATE OF	





PRIORITY NUMBER	DATE	COUNTRY
29/499,075	11/08/2014	U.S.A.



DESIGN NUMBER	268673
CLASS	09-01
1)PRAMIT SANGHAVI AND DEWANG SANGHAVI, PARTNERS TRADING AS	

# 1)PRAMIT SANGHAVI AND DEWANG SANGHAVI, PARTNERS TRADING AS V2 CORP., A PARTNERSHIP FIRM, INDIAN, WHOSE ADDRESS IS WZ-8/1, INDUSTRIAL AREA, KIRTI NAGAR, NEW DELHI-110015, INDIA

DATE OF REGISTRATION	07/01/2015	
TITLE	BOTTLE	

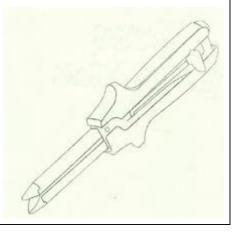


#### PRIORITY NA

DESIGN NUMBER	270110
CLASS	24-01

#### 1)MERIL ENDO-SURGERY PRIVATE LIMITED HAVING ADDRESS AT SURVEY NO. 135/139, BILAKHIA HOUSE, MUKTANAND MARG, CHALA, VAPI-396191, GUJARAT, INDIA

DATE OF REGISTRATION	03/03/2015	
TITLE	SURGICAL LINEAR CUTTER	



DESIGN NUMBER	272180	
CLASS	21-01	

# 1)ISRAR AHMED (INDIVIDUAL AND INDIAN NATIONAL), HAVING ITS REGISTERED OFFICE AT

PLOT NO. 389, PHASE-I, SHAZADA BAGH, DEHLI-110035

DATE OF REGISTRATION	18/05/2015	
TITLE	TRUCK TOY	



#### PRIORITY NA

DESIGN NUMBER	274686	
CLASS	05-05	

# 1)SIDDHI VINAYAK KNOTS & PRINTS PVT. LTD. A COMPANY REGISTERED UNDER THE PROVISION OF COMPANIES ACT, 1956 HAVING ITS REGISTERED OFFICE AT

A-26, CENTRAL PARK, GIDC, PANDESARA, SURAT-394221 GUJARAT

DATE OF REGISTRATION	21/08/2015	
TITLE	TEXTILE FABRIC	



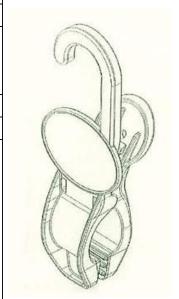
#### PRIORITY NA

DESIGN NUMBER	272310	
CLASS	06-08	
1) DITATE A CIPD OF LICITICAL IN LITTED		

#### 1)PHINEAS PRODUCTS LIMITED,

ADDRESS: AIRFIELD HOUSE, WESTERN DRIVE, HENGROVE, BRISTOL BS14 0AF, UNITED KINGDOM, NATIONALITY: A COMPANY INCORPORATED UNDER THE LAWS OF ENGLAND & WALES

DATE OF REGISTRATION	25/05/2015	
TITLE	SHOE HANGER	



#### PRIORITY

PRIORITY NUMBER	DATE	COUNTRY
002585422-0001	26/11/2014	OHIM

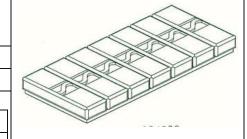
DESIGN NUMBER	264380	
CLASS	12-16	
1) 17 17 17 17 17 17 17 17 17 17 17 17 17		

#### 1) WEGMANN AUTOMOTIVE GMBH & CO. KG,

RUDOLF-DIESEL-STRAßE 6, 97209 VEITSHÖCHHEIM, GERMANY,

NATIONALITY: GERMANY

DATE OF REGISTRATION	30/07/2014		
TITLE	TYRE WEIGHT BALANCING DEVICE		
PRIORITY			
PRIORITY NUMBER	I	DATE	COUNTRY
002395590-0004	3	30/01/2014	OHIM



CLASS	05-05
1)SIDDHI VINAYAK KNOTS & PI	RINTS PVT. LTD. A COMPANY REGIST

# 1)SIDDHI VINAYAK KNOTS & PRINTS PVT. LTD. A COMPANY REGISTERED UNDER THE PROVISION OF COMPANIES ACT, 1956 HAVING ITS REGISTERED OFFICE AT

274688

A-26, CENTRAL PARK, GIDC, PANDESARA, SURAT-394221 GUJARAT

DATE OF REGISTRATION	21/08/2015
TITLE	TEXTILE FABRIC



#### PRIORITY NA

**DESIGN NUMBER** 

DESIGN NUMBER	271497
CLASS	23-04
1\CDOMPTON CDEAVEC I IMITED	

#### 1)CROMPTON GREAVES LIMITED,

CG HOUSE, 6TH FLOOR, DR. ANNIE BESANT ROAD, WORLI, MUMBAI - 400030, MAHARASHTRA, INDIA; AN INDIAN COMPANY

DATE OF REGISTRATION	17/04/2015
TITLE	WALL FAN

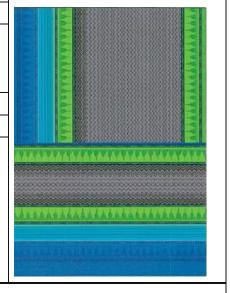


**DESIGN NUMBER** 274556 CLASS 05-05

1)SIDDHI VINAYAK KNOTS & PRINTS PVT. LTD. A COMPANY REGISTERED UNDER THE PROVISION OF COMPANIES ACT, 1956 HAVING ITS REGISTERED OFFICE AT

A-26, CENTRAL PARK, GIDC, PANDESARA, SURAT-394221 GUJARAT

DATE OF REGISTRATION	17/08/2015	
TITLE	TEXTILE FABRIC	



#### PRIORITY NA

DESIGN NUMBER	267123
CLASS	12-07
1)LTA CORPORATION C/O GOELET LLC 425 PARK AVENUE NEW YORK, NY 10022 UNITED STATES OF AMERICA	

A COMPANY OF UNITED STATES OF AMERICA

DATE OF REGISTRATION	30	30/10/2014	
TITLE	AIRSHIP		
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	

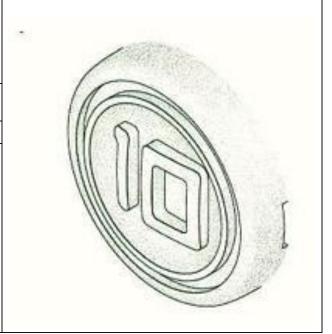
THORIT THEMBER	BiiiE	esertini
29/489,938	05/05/2014	U.S.A.
DESIGN NUMBER	2	69210
IDBSICEN NIJVIBBR	/.	097.10



1)ALTRIA CLIENT SERVICES INC., A CORPORATION EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, USA, OF

6601 WEST BROAD STREET, RICHMOND, VIRGINIA 23230, USA

DATE OF REGISTRATION	30/01/2015
TITLE	END CAP OF A SMOKING ARTICLE



#### **PRIORITY**

н			
	PRIORITY NUMBER	DATE	COUNTRY
l	29/498,129	31/07/2014	U.S.A.

DESIGN NUMBER	270066	
CLASS	09-99	

1)MANGESH KALIKAPRASAD VISHWAKARMA, SHIVKUMAR PADMAKAR PILLAY, INDIAN NATIONAL TRADING IN THE NAME AND STYLE OF TEMP COOL **COMPANIES ACT, 1956 WHOSE ADDRESS IS** 

"SURVEY NO. 67/1, PLOT NO. 2, SHIVNERI NAGAR, NEXT TO SHIVGANGA SOCIETY, KONDHWA KHURD, PUNE-411048

DATE OF REGISTRATION	03/03/2015
TITLE	EUTECTIC PLATE USED FOR REFRIGERATION
DDIODIES ALA	



#### PRIORITY NA

DESIGN NUMBER	270098
CLASS	10-05

1)1) KAVITA VEMURI, 2) JASMINE BHANUSHALI, 3) SAI PARTHASARATHY MIDUTHURI INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY,

HYDERABAD, GACHIBOWLI, TELANGANA-500032, INDIA ALL INDIAN NATIONALS

DATE OF REGISTRATION	03/03/2015
TITLE	INFRA RED SENSOR FOR DETECTING HUMAN ACTIONS



## PRIORITY NA

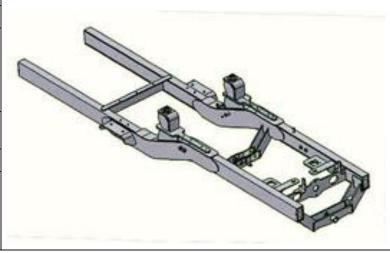
DESIGN NUMBER	263706	
CLASS	15-04	
1)MAHINDDA & MAHINDDA I IMITED A		

1)MAHINDRA & MAHINDRA LIMITED, A COMPANY INCORPORATED UNDER THE **COMPANIES ACT, 1956 WHOSE ADDRESS IS** GATEWAY BUILDING, APOLLO BUNDER, MUMBAI 400001, MAHARASHTRA, INDIA

DATE OF 26/06/2014 REGISTRATION **CRADLE** 



TITLE



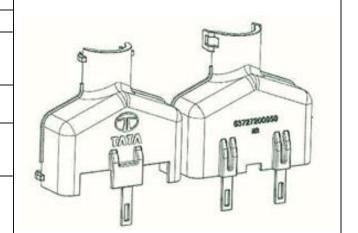
DESIGN NUMBER				2746	585		
CLASS			05-05				
1)SIDDHI VINAYAK KNO UNDER THE PROVISION ( REGISTERED OFFICE AT A-26, CENTRAL PARK, (	OF COM	<b>IPANII</b>	ES ACT	T, 1956 HAVI	ING IT	S	
DATE OF REGISTRATION				21/08/			
TITLE				TEXTILE	FABRI	I.C	
PRIORITY NA							
DESIGN NUMBER		264075					
CLASS				23-0	02		
1)GEBERIT INTERNATIONAL AG SCHACHENSTRASSE 77, 8645 JONA, SWITZERLAND, A COMPANY OF SWITZERLAND			NY OF				
DATE OF REGISTRATION				16/07/	2014		
TITLE		CONTROL PANEL FOR TOILET FI			TOILE?	Γ FLUSH TANKS	
PRIORITY							
PRIORITY NUMBER		Γ	DATE	COUNTRY		NTRY	
787158501		1	7/01/20	14	WIPC	)	
DESIGN NUMBER			27179	98			****
CLASS			10-0				
1)THOMAS & BETTS INTINCORPORATED UNDER ADDRESS IS 501 SILVERSIDE ROAD, 19809, USA	THE LA	AWS OI	L LLC, F DELA	A COMPAN AWARE, WE	IOSE		
DATE OF REGISTRATION		29/04/2015					
TITLE	LIGI	LIGHTNING CONDUCTOR STRIP			RIP		
PRIORITY							
PRIORITY NUMBER	DA	DATE COUNTRY					
002568311	30	30/10/2014 OHIM					

DESIGN NUMBER	272571	
LASS 07-02		
	OIAN NATIONAL, HAVING ADDRESS AT 57/1, GANGAI AMMAN KOIL STREET, 083	
DATE OF REGISTRATION	05/06/2015	ee
TITLE	GAS STOVE	
PRIORITY NA		
DESIGN NUMBER	274999	
CLASS	23-01	
	RE, OPP. M.T.N.L. GATE NO. 2, NEAR HANUMAN R NAKA, MUMBAI-400007 MAHARASHTRA, INDIA 28/08/2015	
TITLE	TAP	
PRIORITY NA		
DESIGN NUMBER	274562	
CLASS	05-05	
UNDER THE PROVISION OF COREGISTERED OFFICE AT A-26, CENTRAL PARK, GIDC,	PANDESARA, SURAT-394221 GUJARAT	
DATE OF REGISTRATION		
TITLE	TEXTILE FABRIC	-
PRIORITY NA		

DESIGN NUMBER	269372
CLASS	12-16

1)TATA MOTORS LIMITED, AN INDIAN COMPANY OF BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400001, MAHARASHTRA, INDIA

DATE OF REGISTRATION	06/02/2015
TITLE	REAR COVER FOR WIRING HARNESS CONNECTOR OF A VEHICLE



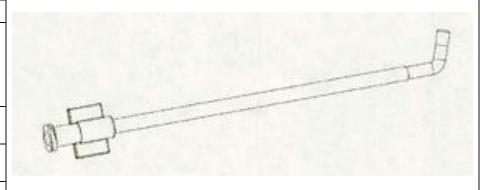
#### PRIORITY NA

DESIGN NUMBER	272328
CLASS	24-01

# 1)MERIL LIFE SCIENCES PRIVATE LIMITED

SURVEY NO. 135/139, BILAKHIA HOUSE, MUKTANAND MARG, CHALA, VAPI 396191, GUJARAT,INDIA

DATE OF REGISTRATION	25/05/2015
TITLE	SINUS DILATION GUIDE CATHETER



#### PRIORITY NA

DESIGN NUMBER	265732
CLASS	02-03

#### 1)VINOD ARORA, SOLE PROPRIETOR OF AVON AUTO, WHOSE ADDRESS IS 1746/54, NAIWALA, KAROL BAGH, NEW DELHI-110005, INDIA AN INDIAN NATIONAL

DATE OF REGISTRATION	17/09/2014
TITLE	HELMET



DESIGN NUMBER	274887
CLASS	13-02

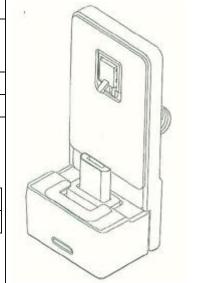
#### 1)SAMSUNG ELECTRONICS CO., LTD.

129, SAMSUNG-RO, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO, 443-742, REPUBLIC OF KOREA, A COMPANY OF REPUBLIC OF KOREA

DATE OF REGISTRATION	25/08/2015
TITLE	CHARGER FOR ELECTRONIC DEVICE

#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
30-2015-0010112	27/02/2015	REPUBLIC OF KOREA



DESIGN NUMBER	275060	
CLASS	21-01	
1)HARSHIT IAIN (INDIVIDITAL)		

# 1)HARSHIT JAIN (INDIVIDUAL),

F-8/12, KRISHNA NAGAR, DELHI-110051, AN INDIAN NATIONAL

DATE OF REGISTRATION	31/08/2015
TITLE	TOY CAR
DDIODIETINI.	

## PRIORITY NA

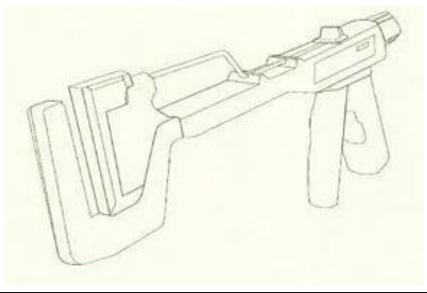
DESIGN NUMBER	270111
CLASS	24-01

# 1)MERIL ENDO-SURGERY PRIVATE LIMITED HAVING ADDRESS AT

SURVEY NO. 135/139, BILAKHIA HOUSE, MUKTANAND MARG, CHALA, VAPI-396191, GUJARAT, INDIA

DATE OF REGISTRATION	03/03/2015
TITLE	SURGICAL LINEAR STAPLER





DESIGN NUMBER		272	300		1								
CLASS		23-04											
1)FUJITSU GENERAL OF 3-3-17, SUENAGA KANAGAWA, 213-8502, 3	, TAKATS		AWAS <i>A</i>	AKI-SHI,						energy S	SOLD STATE OF THE PARTY OF THE	and the same of	
DATE OF REGISTRATION		25/05	7/2015		CONTRACTOR	SELECTION .	The state of the s				St. Market St.		
TITLE	1	AIR CONI	OITION	ER			edited to the same of the same		SOUTH STATE OF THE			7	1
PRIORITY					4						-		
PRIORITY NUMBER	DAT	ГЕ	COU	NTRY	1	-							
2014-026219	25/1	1/2014	JAPA	AN									
DESIGN NUMBER			26437	9		T							
CLASS			12-16	i									
1)WEGMANN AUTOM RUDOLF-DIESEL-STI GERMANY, NATIONALI	RABE 6, 97	7209 VEIT							<u> </u>				
DATE OF REGISTRATION		3	30/07/2014										
TITLE	TYRI	TYRE WEIGHT BALANCING DEVI		EVICE	F				1				
PRIORITY						6	TOP						
PRIORITY NUMBER	L	DATE	(	COUNTRY			The state of the s						
002395590-0003	3	0/01/2014		OHIM				*			The Large		(0)
DESIGN NUMBER				2746	587								
CLASS				05-	05								
1)SIDDHI VINAYAK K UNDER THE PROVISIO REGISTERED OFFICE A A-26, CENTRAL PARI	N OF CO AT K, GIDC, I	MPANIE	S ACT,	1956 HAV	ING IT	ΓS		RED					
DATE OF REGISTRATI	ON			21/08/								5. Alt	
TITLE			TEXTILE FABRIC		íC								
PRIORITY NA													

DESIGN NUMBER	264577
CLASS	07-02

# 1)J. RAJESH KUMAR, SOLE PROPRIETOR, TRADING AS M/S. SEAGULL INDIA EXPORT AT

10, PONAPPA CHETTY STREET, CHENNAI-600003, TAMIL NADU

DATE OF REGISTRATION	07/08/2014
TITLE	RICE COOKER INNER POT



#### PRIORITY NA

DESIGN NUMBER	265516
CLASS	08-06

1)(1)MAHESHBHAI SASHIKANTBHAI PIPALIYA (2) MANOJBHAI JERAMBHAI LILA (BOTH THE PARTNERS ARE ADULT & INDIAN NATIONAL) PARTNERS OF KRISHA METAL (INDIAN PARTNERSHIP FIRM) HAVING PLACE OF BUSINESS AT-

6, PARSANA SOCIETY, 50, FEET ROAD, ''RAM'' RAJKOT-360002-GUJARAT-(INDIA)

DATE OF REGISTRATION	09/09/2014
TITLE	HANDLE
DD C D F T L L L	



#### PRIORITY NA

DESIGN NUMBER	270405
CLASS	09-07

1)PARSHOTAMBHAI MOHANBHAI RATHOD, INDIAN NATIONAL HAVING PRINCIPAL PLACE OF BUSINESS AT BHUMI INDUSTRIAL AREA, SURVEY NO. 253,

PLOT NO. 2/20, B/H. SARVODAYA, NEAR STREET OF WELDOR ENGG., N. H. 8-B, VERAVAL (SHAPER), TA. KOTDA SANGANI, DIST. RAJKOT, GUJARAT, INDIA

DATE OF REGISTRATION	17/03/2015
TITLE	CAP FOR BOTTLE
PRIORITY NA	



DESIGN NUMBER	269893
CLASS	12-05

1)MAHINDRA & MAHINDRA LIMITED, A COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1913 WHOSE ADDRESS IS

GATEWAY BUILDING, APOLLO BUNDER, MUMBAI 400001, MAHARASHTRA, INDIA

	DATE OF REGISTRATION	26/02/2015
TITLE CRANE	TITLE	CRANE



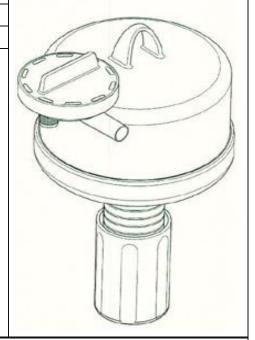
#### PRIORITY NA

DESIGN NUMBER	267846
CLASS	24-01

1)NUANGLE MEDICAL (PTY) LTD, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF SOUTH AFRICA, OF

1A DUFF ROAD, HUGHTON ESTATE, SANDTON 2198, SOUTH AFRICA

DATE OF REGISTRATION	01/12/2014
TITLE	FLUID DRAINAGE DEVICE



#### PRIORITY NA

DESIGN NUMBER	264466
CLASS	08-06

1)RASIKLAL GHUSABHAI CHOVATIYA (ADULT & INDIAN NATIONAL) SOLE PROPRIETOR OF M K TECHNOCAST (INDIAN PROPRIETORSHIP CONCERN) HAVING PLACE OF BUSINESS AT-

2, PATEL NAGAR, SADBHAVNA, PLOT, NR: BHAGWATI ENTERPRISE, 50, FEET MAIN ROAD, RAJKOT-GUJARAT-(INDIA)

DATE OF REGISTRATION	05/08/2014
TITLE	HANDLE
PRIORITY NA	



DESIGN NUMBER	269821
CLASS	06-05

# 1)NATIONAL PLASTIC INDUSTRIES LTD. A COMPANY REGISTERED UNDER COMPANY ACT 1956 OF

A-59, MIDC ROAD NO-1, MAROL, ANDHERI (EAST), MUMBAI-400093, MAHARASHTRA, INDIA

DATE OF REGISTRATION	25/02/2015
TITLE	CHAIR



#### PRIORITY NA

DESIGN NUMBER	270090
CLASS	09-03

#### 1) DR. REDDY'S LABORATORIES LIMITED,

 $8\mbox{-}2\mbox{-}337,$  ROAD NO. 3, BANJARA HILLS, HYDERABAD, TELANGANA, INDIA-500034

DATE OF REGISTRATION	03/03/2015
TITLE	DISPENSING CONTAINER



#### PRIORITY NA

DESIGN NUMBER	274684
CLASS	05-05

# 1)SIDDHI VINAYAK KNOTS & PRINTS PVT. LTD. A COMPANY REGISTERED UNDER THE PROVISION OF COMPANIES ACT, 1956 HAVING ITS REGISTERED OFFICE AT

A-26, CENTRAL PARK, GIDC, PANDESARA, SURAT-394221 GUJARAT

DATE OF REGISTRATION	21/08/2015
TITLE	TEXTILE FABRIC



DESIGN NUMBER	263996
CLASS	12-16

#### 1)GHODKE, VILAS S. RESIDING AT

FLAT NO: 61, SAI RESIDENCY II, AHILYANAGARI, PIPELINE ROAD, NEAR DATTA MANDIR, BHISTABAG CHOWK, SAVEDI, AHMEDNAGAR, 414001 MH, INDIA, AN INDIAN NATIONAL

DATE OF REGISTRATION	14/07/2014
TITLE	CLUTCH PADDLE LOCKING DEVICE FOR VEHICLES



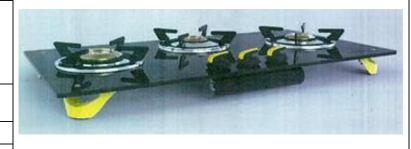
#### PRIORITY NA

DESIGN NUMBER	272569
CLASS	07-02

#### 1)N. BALAJI, AN INDIAN NATIONAL, HAVING ADDRESS AT

PLOT NO 86, 87, LAKSHMI STREET, VGP SHANTHI NAGAR, PALLIKARANAI, CHENNAI 600100

DATE OF REGISTRATION	05/06/2015
TITLE	GAS STOVE



#### PRIORITY NA

DESIGN NUMBER	264942
CLASS	19-06

#### 1)INDO JAPAN PEN MANUFACTURING COMPANY PRIVATE LIMITED OF 63 B/C GOVT. INDUSTRIAL ESTATE, CHARKOP, KANDIVALI WEST, MUMBAI-400067, STATE OF MAHARASHTRA, INDIA, AN INDIAN COMPANY

DATE OF REGISTRATION	21/08/2014
TITLE	PEN



DESIGN NUMBER	265762
CLASS	08-06

# 1)MR. PARESH ANADKAT (INDIAN NATIONALS) SOLE PROPRIETOR OF DARSHIT HARDWARE HAVING PLACE OF BUSINESS AT:

C/O MOHI TRADERS, 1ST FLOOR, GOPAL COMPLEX, NR; SUN PETROL PUMP, KOTHARIYA MAIN ROAD, RAJKOT-360002-GUJARAT (INDIA)

DATE OF REGISTRATION	19/09/2014
TITLE	HANDLE
DDIODITY NA	



#### PRIORITY NA

DESIGN NUMBER	274997
CLASS	23-01

## 1)DILIP JAIN (INDIAN NATIONAL) OF HAVING OFFICE AT

C/O. NAKODA SANITARYWARE, OPP. M.T.N.L. GATE NO. 2, NEAR HANUMAN MANDIR, R.C. MARG, CHEMBUR NAKA, MUMBAI-400007 MAHARASHTRA, INDIA

DATE OF REGISTRATION	28/08/2015
TITLE	TAP



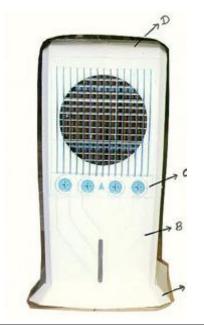
#### PRIORITY NA

DESIGN NUMBER	271650
CLASS	23-04

#### 1) RHYTHM BAJAJ NATIONALITY:

H-136, PLOT NO. 26/1 NEW SARASWATI SOCIETY SECTOR-9, ROHINI NEW DELHI

DATE OF REGISTRATION	23/04/2015	
TITLE	AIR COOLER	



DESIGN NUMBER	272570	
CLASS	07-02	

#### 1)N. D. VENKATESAN, AN INDIAN NATIONAL, HAVING ADDRESS AT

C6, SRI VARAHA FLATS, NO 57/1, GANGAI AMMAN KOIL STREET, JAFFERKHANPET, CHENNAI 600083

DATE OF REGISTRATION	05/06/2015	
TITLE	GAS STOVE	
PRIORITY NA		

265763



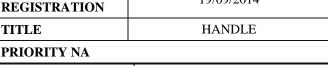
#### **CLASS** 08-06 1) CHANDRAKANT R GAJIPARA, (2) MITESHBHAI J PANSURIYA (INDIAN NATIONALS ) PARTNERS

**DESIGN NUMBER** 

# OF RAJ HARDWARE (INDIAN PARTNERSHIP FIRM)

HAVING PLACE OF BUSINESS AT-2, PATELNAGAR, SADBHAVNA PLOT, NR. BHAGWATI ENTERPRISE, 50 FEET ROAD, RAJKOT-GUJARAT, -(INDIA)

DATE OF REGISTRATION	19/09/2014	
TITLE	HANDLE	
DDIODITY NA		



DESIGN NUMBER	274998	
CLASS	23-01	

#### 1)DILIP JAIN (INDIAN NATIONAL) OF HAVING **OFFICE AT**

C/O. NAKODA SANITARYWARE, OPP. M.T.N.L. GATE NO. 2, NEAR HANUMAN MANDIR, R.C. MARG, CHEMBUR NAKA, MUMBAI-400007 MAHARASHTRA, INDIA

DATE OF REGISTRATION	28/08/2015	
TITLE	TAP	





DESIGN NUMBER	270079
CLASS	09-01

1)MR. SACHIN SACHDEV, MRS. MANASI SACHDEV AND MR. RAVI CHAWLA ALL PARTNERS OF M/S NAYASA MULTIPLAST A PARTNERSHIP CONCERN REGISTERED UNDER THE PARTNERSHIP ACT, 1932 HAVING ADDRESS AT PLOT NO. 225, 227 AND 228, VILLAGE VELA BATHRI, TAHASIL HAROLI,

DISTRICT UNA-732141, HIMACHAL PRADESH

DATE OF REGISTRATION	03/03/2015	
TITLE	BOTTLE	



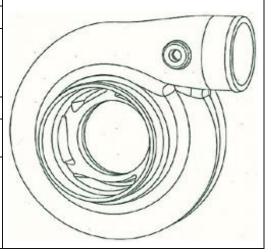
#### PRIORITY NA

DESIGN NUMBER	226921	
CLASS	12-16	
1)FORD INDIA PRIVATE LIMITED, S.P. KOIL POST, CHENGALPAT-603 204, TAMIL NADU, INDIA,		
DATE OF REGISTRATION 27/01/2010		
TITLE	AIR FILTER	



DESIGN NUMBER	<b>BER</b> 271434		
CLASS	15-02		
1)TURBONETICS HOLDINGS, INC. A CORPORATION OF DELAWARE OF THE ADDRESS: 14399 PRINCETON AVENUE MOORPARK, CA 93021, UNITED STATES OF AMERICA			
DATE OF REGISTRATION	F REGISTRATION 16/04/2015		
TITLE	COMPRESSOR HOUSING FOR TURBOCHARGER		

PRIORITY		
PRIORITY NUMBER	DATE	COUNTRY
29/508,083	03/11/2014	U.S.A.
	•	<u> </u>

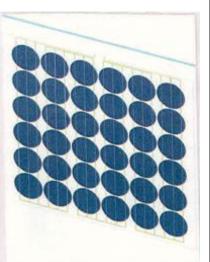


DESIGN NUMBER		272972	
CLASS		13-03	
1)GENERAL ELECTRIC COMI 1 RIVER ROAD SCHENECTAD AMERICA		UNITED STATES OF	
DATE OF REGISTRATION	2	22/06/2015	
TITLE		BUSBAR	
PRIORITY	DATE	COUNTRY	
PRIORITY NUMBER 29/512878	DATE 23/12/2014	U.S.A.	
DESICN NUMBER		275294	
DESIGN NUMBER CLASS		275384 14-03	
1)GIONEE COMMUNICATION COMPANY DULY ORGANIZED PEOPLE'S REPUBLIC OF CHINA 21/F, TIMES TECHNOLOGY B	AND EXISTING UNDE A OF UILDING, 7028 SHENN	14-03 TD. SHENZHEN, A ER THE LAWS OF AN ROAD, FUTIAN	
CLASS  1)GIONEE COMMUNICATION COMPANY DULY ORGANIZED PEOPLE'S REPUBLIC OF CHINA 21/F, TIMES TECHNOLOGY BI DISTRICT, SHENZHEN, GUANGD	AND EXISTING UNDE A OF UILDING, 7028 SHENN DONG, PEOPLE'S REPU	14-03  TD. SHENZHEN, A  ER THE LAWS OF  AN ROAD, FUTIAN BLIC OF CHINA	
CLASS  1)GIONEE COMMUNICATION COMPANY DULY ORGANIZED PEOPLE'S REPUBLIC OF CHINA 21/F, TIMES TECHNOLOGY BI DISTRICT, SHENZHEN, GUANGD DATE OF REGISTRATION	AND EXISTING UNDE A OF UILDING, 7028 SHENN OONG, PEOPLE'S REPU	TD. SHENZHEN, A ER THE LAWS OF AN ROAD, FUTIAN BLIC OF CHINA 07/09/2015	
CLASS  1)GIONEE COMMUNICATION COMPANY DULY ORGANIZED PEOPLE'S REPUBLIC OF CHINA 21/F, TIMES TECHNOLOGY BI DISTRICT, SHENZHEN, GUANGD DATE OF REGISTRATION TITLE	AND EXISTING UNDE A OF UILDING, 7028 SHENN OONG, PEOPLE'S REPU	14-03  TD. SHENZHEN, A  ER THE LAWS OF  AN ROAD, FUTIAN BLIC OF CHINA	
CLASS  1)GIONEE COMMUNICATION COMPANY DULY ORGANIZED PEOPLE'S REPUBLIC OF CHINA 21/F, TIMES TECHNOLOGY BI DISTRICT, SHENZHEN, GUANGD DATE OF REGISTRATION TITLE PRIORITY	AND EXISTING UNDE A OF UILDING, 7028 SHENN OONG, PEOPLE'S REPU	TD. SHENZHEN, A ER THE LAWS OF  AN ROAD, FUTIAN BLIC OF CHINA  17/09/2015 BILE PHONE	
CLASS  1)GIONEE COMMUNICATION COMPANY DULY ORGANIZED PEOPLE'S REPUBLIC OF CHINA 21/F, TIMES TECHNOLOGY BI DISTRICT, SHENZHEN, GUANGD DATE OF REGISTRATION TITLE	AND EXISTING UNDE A OF UILDING, 7028 SHENN OONG, PEOPLE'S REPU	TD. SHENZHEN, A ER THE LAWS OF AN ROAD, FUTIAN BLIC OF CHINA 07/09/2015	
CLASS  1)GIONEE COMMUNICATION COMPANY DULY ORGANIZED PEOPLE'S REPUBLIC OF CHINA 21/F, TIMES TECHNOLOGY BI DISTRICT, SHENZHEN, GUANGD DATE OF REGISTRATION TITLE  PRIORITY PRIORITY NUMBER	AND EXISTING UNDER A OF UILDING, 7028 SHENN OONG, PEOPLE'S REPUMON	14-03  TD. SHENZHEN, A ER THE LAWS OF  AN ROAD, FUTIAN BLIC OF CHINA  17/09/2015  BILE PHONE  COUNTRY	



TITLE

DATE OF REGISTRATION



13/04/2015

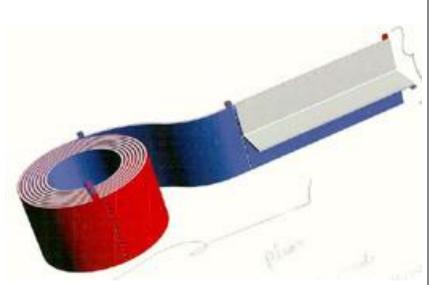
PHOTO-VOLTAIC MODULE

DESIGN NUMBER	272618
CLASS	19-02

1)(1) RAHUL JINDAL S/O SH. VINOD KUMAR JINDAL, OF HOUSE NUMBER 17945, STREET NO. 5A, BASANT VIHAR, BATHINDA (151001), PUNJAB, INDIA, AN INDIAN CITIZEN &

(2) RAJAN GUPTA S/O. SH. OM PRAKASH GUPTA, OF BUS STAND ROAD, NEAR BAGIRATH DA KARKHANA, WARD NO. 13, LEHRA GAGA (148031) DISTRICT SANGRUR, PUNJAB, INDIA, AN INDIAN CITIZEN

DATE OF REGISTRATION	08/06/2015
TITLE	CROSS TAPE



#### PRIORITY NA

DESIGN NUMBER	265517
CLASS	08-06

1)(1)MAHESHBHAI SASHIKANTBHAI PIPALIYA (2) MANOJBHAI JERAMBHAI LILA INDIAN NATIONALS AND PARTNERS OF KRISHA METAL (INDIAN PARTNERSHOP FIRM) HAVING PLACE OF BUSINESS AT-

6, PARSANA SOCIETY, 50, FEET ROAD, "RAM" RAJKOT-360002-GUJARAT-(INDIA)

DATE OF REGISTRATION	09/09/2014
TITLE	HANDLE



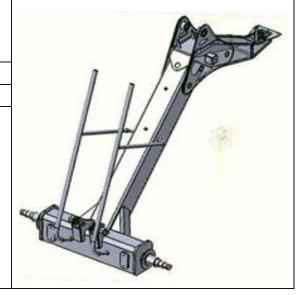
#### PRIORITY NA

DESIGN NUMBER	269895
CLASS	12-16

1)MAHINDRA & MAHINDRA LIMITED, A COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1913 WHOSE ADDRESS IS

GATEWAY BUILDING, APOLLO BUNDER, MUMBAI 400001, MAHARASHTRA, INDIA

DATE OF REGISTRATION	26/02/2015
TITLE	MAIN FRAME FOR CRANE

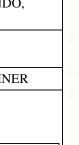


DESIGN NUMBER	267931
CLASS	07-02

# 1)DART INDUSTRIES INC. A COMPANY INCORPORATED UNDER THE LAWS OF THE U.S.A. HAVING ITS REGISTERED OFFICE AT

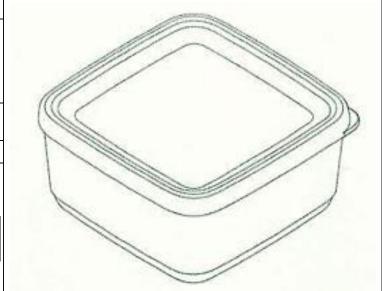
14901 S. ORANGE BLOSSOM TRAIL ORLANDO, FLORIDA 32837, U.S.A.

DATE OF REGISTRATION	05/12/2014
TITLE	STORAGE CONTAINER



#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
29/496,891	18/07/2014	U.S.A.

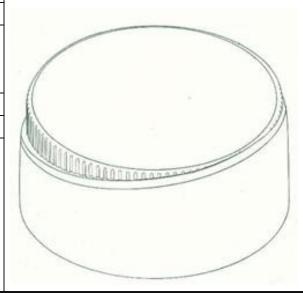


DESIGN NUMBER	271335
CLASS	09-07

# 1)GLAXOSMITHKLINE CONSUMER HEALTHCARE HOLDINGS (US) LLC,

OF 2711 CENTERVILLE ROAD SUITE 400 WILMINGTON, DELAWARE 19808, U.S.A.

DATE OF REGISTRATION	13/04/2015
TITLE	CAP FOR CONTAINER



#### PRIORITY NA

DESIGN NUMBER	264468
CLASS	08-06

1)DIPAKBHAI BHIKHABHAI KHUNT (ADULT INDIAN NATIONAL) SOLE PROPRIETOR OF OM SAI MANUFACTURE (INDIAN PROPRIETORSHIP CONCERN) HAVING PLACE OF BUSINESS AT-

6/A, PARSANA SOCIETY, 50, FEET ROAD, SHREENATHJI PAN, RAJKOT-360002-GUJARAT-(INDIA)

DATE OF REGISTRATION	05/08/2014
TITLE	HANDLE



DESIGN NUMBER	274692
CLASS	05-05
1,0000000000000000000000000000000000000	

1)SIDDHI VINAYAK KNOTS & PRINTS PVT. LTD. A COMPANY REGISTERED UNDER THE PROVISION OF COMPANIES ACT, 1956 HAVING ITS REGISTERED OFFICE AT

A-26, CENTRAL PARK, GIDC, PANDESARA, SURAT-394221 GUJARAT

DATE OF REGISTRATION	21/08/2015
TITLE	TEXTILE FABRIC



DESIGN NUMBER	270354
CLASS	23-01

#### 1)KITZ CORPORATION,

10-1, NAKASE 1-CHOME, MIHAMA-KU, CHIBA-SHI, CHIBA, 261-8577, JAPAN, NATIONALITY: JAPAN

DATE OF REGISTRATION	13/03/2015
TITLE	BUTTERFLY VALVE



#### PRIORITY NA

DESIGN NUMBER	269822	
CLASS	06-05	

#### 1) NATIONAL PLASTIC INDUSTRIES LTD. A COMPANY REGISTERED UNDER COMPANY ACT 1956 OF

A-59, MIDC ROAD NO-1, MAROL, ANDHERI (EAST), MUMBAI-400093, MAHARASHTRA, INDIA

DATE OF REGISTRATION	25/02/2015	
TITLE	CHAIR	



DESIGN NUMBER 272311		
CLASS 06-08		
1)PHINEAS PRODUCTS LIMITED, ADDRESS: AIRFIELD HOUSE, WESTERN DRIVE, HENGROVE, BRISTOL BS14		
0AF, UNITED KINGDOM, NATIONALITY: A COMPANY INCORPORATED UNDER THE LAWS OF ENGLAND & WALES		

DATE OF REGISTRATION	25/05/2015
TITLE	SHOE HANGER

#### **PRIORITY**

1111011111		
PRIORITY NUMBER	DATE	COUNTRY
002585422-0002	26/11/2014	OHIM

CLASS 13-03	DESIGN NUMBER	270349
2 12 12	CLASS	13-03

1)BMC ELECTROPLAST PVT. LTD., (REGISTERED COMPANY IN INDIA UNDER COMPANIES ACT, 1956) THROUGH ITS DIRECTOR MR. GIRISH VASANTRAO MAGRE, WHOSE ADDRESS IS BMC ELECTROPLAST PVT. LTD. K-133, MIDC, WALUJ, AURANGABAD, MAHARASHTRA, INDIA

DATE OF REGISTRATION	12/03/2015
TITLE	CIRCUIT BREAKER

# F

#### PRIORITY NA

]	DESIGN NUMBER	247601
	CLASS	11-01

1)MINAWALA GEMS & JEWELS PRIVATE LIMITED, A COMPANY INCORPORATED IN INDIA UNDER THE COMPANIES ACT, 1956 WHOSE ADDRESS IS

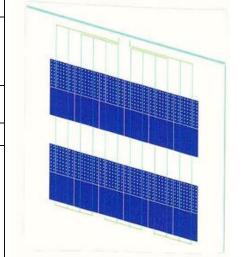
95, HEERA PANNA, HAJI ALI, MUMBAI 400026 IN THE STATE OF MAHARASHTRA WITHIN THE UNION OF INDIA, WHO ARE INDIAN BY NATIONALITY

DATE OF REGISTRATION	03/09/2012
TITLE	PENDANT

DESIGN NUMBER	271482
CLASS	13-99

1)GREENAPPLE PVT. LTD. A COMPANY INCORPORATED UNDER THE COMPANITES ACT. 1956 AN INDIAN NATIONALS, WHOSE ADDRESS IS: 153/A, KASTURI BUILDING, JAIN SOCEITY, OPP. JAIN DAIRY, SION (W), MUMBAI -40022. INDIA

DATE OF REGISTRATION	16/04/2015
TITLE	SOLAR PHOTO-VOLTAIC MODULE



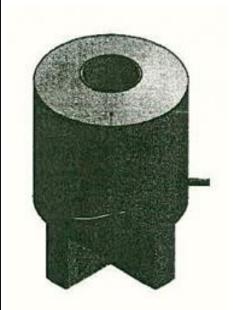
#### PRIORITY NA

DESIGN NUMBER	273827
CLASS	09-02

#### 1)FRONTLINE POLYMERS PRIVATE LIMITED

FRONTLINE POLYMERS PRIVATE LIMITED, ZAINA SHOPPING COMPLEX, M G ROAD, THRISSUR-680004, KERALA; INDIA.

DATE OF REGISTRATION	22/07/2015
TITLE	WATER TANK



#### PRIORITY NA

DESIGN NUMBER	266935
CLASS	01-01

#### 1)MONGINIS FOODS PRIVATE LIMITED, A COMPANY REGISTERED IN INDIA, HAVING ITS REGISTERED OFFICE AT

B-60, OFF. LINK ROAD, ANDHERI (WEST), MUMBAI-400053, STATE OF MAHARASHTRA, INDIA, OF ABOVE ADDRESS

DATE OF REGISTRATION	28/10/2014
TITLE	CAKE



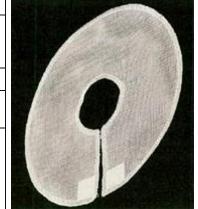


DESIGN NUMBER	269007
CLASS	99-00

1)SUMITOMO CHEMICAL COMPANY, LIMITED, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF JAPAN, OF

27-1, SHINKAWA 2-CHOME, CHUO-KU, TOKYO 104-8260, JAPAN

DATE OF REGISTRATION	21/01/2015
TITLE	SUNSHADE FOR FRUIT DURING THE
IIILE	GROWTH THEREOF



#### PRIORITY NA

DESIGN NUMBER	247599
CLASS	11-01

1)MINAWALA GEMS & JEWELS PRIVATE LIMITED, A COMPANY INCORPORATED IN INDIA UNDER THE COMPANIES ACT, 1956 WHOSE ADDRESS IS

95, HEERA PANNA, HAJI ALI, MUMBAI 400026 IN THE STATE OF MAHARASHTRA WITHIN THE UNION OF INDIA, WHO ARE INDIAN BY NATIONALITY

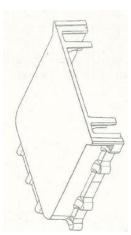
DATE OF REGISTRATION	03/09/2012
TITLE	PENDANT



#### PRIORITY NA

DESIGN NUMBER	272973
CLASS	13-03
1)GENERAL ELECTRIC COMPA	
AMERICA	Y, NEW YORK 12345 UNITED STATES OF
	22/06/2015

PRIORITY NUMBER	DATE	COUNTRY
29/512878	23/12/2014	U.S.A.
	•	



DESIGN NUMBER	268333
CLASS	23-01

## 1)XYLEM IP MANAGEMENT UK LP, A COMPANY INCORPORATED IN THE UNITED KINGDOM OF

11, BREEDEWUES, L-1259 SENNINGERBERG, LUXEMBOURG

DATE OF REGISTRATION	22/12/2014
TITLE	SEAL



#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
002491498-0001	26/06/2014	OHIM

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]	

DESIGN NUMBER	271312
CLASS	13-03

## 1)MR. KAPIL JAIN AN INDIVIDUAL-INDIAN RESIDENT OF

A-302, KEMP PLAZA, MIND SPACE, CHINCHOLI BUNDER, MALAD WEST, MUMBAI-400064

DATE OF REGISTRATION	10/04/2015
TITLE	MUSICAL DOOR BELL



#### PRIORITY NA

DESIGN NUMBER	271379
CLASS	01-01

## 1)BRITANNIA INDUSTRIES LIMITED, HAVING ITS REGISTERED OFFICE AT

5/1A, HUNGERFORD STREET, KOLKATA 700 017, WEST BENGAL, INDIA,

DATE OF REGISTRATION	14/04/2015
TITLE	BISCUIT



DESIGN NUMBER	274390
CLASS	21-01

#### 1)PLAYTONE PRODUCTS,

F-4, GALI NO. 33, MAHENDRA PARK, DELHI-110033, INDIA. (AN INDIAN PROPRIETORSHIP FIRM WHOSE PROPRIETOR IS :- SH. MANJEET LAL. AN INDIAN NATIONAL OF THE ABOVE ADDRESS

DATE OF REGISTRATION	12/08/2015
TITLE	TOY DUMPER



#### PRIORITY NA

DESIGN NUMBER	274726
CLASS	09-01
1)DECATHLON,	

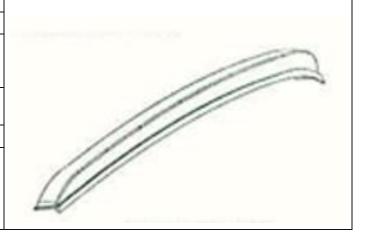
4, BOULEVARD DE MONS, 59650, VILLENEUVE D'ASCQ, FRANCE, A COMPANY OF FRANCE

DATE OF REGISTRATION	21/08/2015
TITLE	BOTTLE



PRIORITY NUMBER	DATE	COUNTRY
002638858-0002	23/02/2015	OHIM

DESIGN NUMBER	269953	
CLASS	12-16	
1)TATA MOTORS LIMITED, AN INDIAN COMPANY OF BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400001, MAHARASHTRA, INDIA		
DATE OF REGISTRATION	27/02/2015	
TITLE	ROOF RAIL OF A VEHICLE	
PRIORITY NA		



DESIGN NUMBER	264421
CLASS	14-02

#### 1)LG ELECTRONICS INC.,

128, YEOUI-DAERO, YEONGDEUNGPO - GU, SEOUL, 150-721, REPUBLIC OF KOREA, A CORPORATION INCORPORATED UNDER THE LAWS OF THE REPUBLIC OF KOREA

DATE OF REGISTRATION	01/08/2014
TITLE	TABLET COMPUTER



#### **PRIORITY**

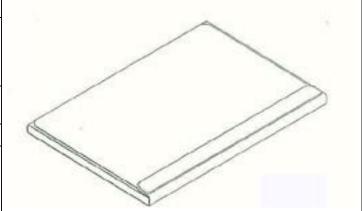
PRIORITY NUMBER	DATE	COUNTRY
30-2014-0005400	03/02/2014	REPUBLIC OF KOREA

DESIGN NUMBER	274301
CLASS	14-99

#### 1)SAMSUNG ELECTRONICS CO., LTD.

129, SAMSUNG-RO, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO, 443-742, REPUBLIC OF KOREA, A COMPANY OF REPUBLIC OF KOREA

DATE OF REGISTRATION		07/08/2015
TITLE	COVER	FOR ELECTRONIC DEVICE
PRIORITY		
PRIORITY NUMBER	DATE	COUNTRY



DESIGN NUMBER	274690
CLASS	05-05

10/02/2015 REPUBLIC OF KOREA

# 1)SIDDHI VINAYAK KNOTS & PRINTS PVT. LTD. A COMPANY REGISTERED UNDER THE PROVISION OF COMPANIES ACT, 1956 HAVING ITS REGISTERED OFFICE AT

A-26, CENTRAL PARK, GIDC, PANDESARA, SURAT-394221 GUJARAT

DATE OF REGISTRATION	21/08/2015
TITLE	TEXTILE FABRIC



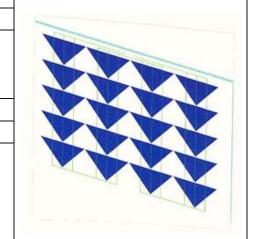
#### PRIORITY NA

30-2015-0007169

<b>CLASS</b> 13-99	DESIGN NUMBER	271380
	CLASS	13-99

1)GREENAPPLE PVT. LTD. A COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956 AN INDIAN NATIONALS, WHOSE ADDRESS IS: 153/A, KASTURI BUILDING, JAIN SOCIETY, OPP, JAIN DAIRY, SION (W) MUMBAI-400022. INDIA

DATE OF REGISTRATION	14/04/2015
TITLE	SOLAR PHOTO-VOLTAIC MODULE



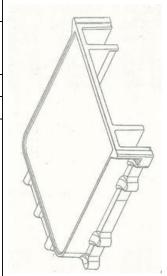
#### PRIORITY NA

DESIGN NUMBER	272971
CLASS	13-03

#### 1)GENERAL ELECTRIC COMPANY,

1 RIVER ROAD SCHENECTADY, NEW YORK 12345 UNITED STATES OF AMERICA

DATE OF REGISTRATION	22/06/2015
TITLE	BUSBAR



#### **PRIORITY**

PRIORI	TY NUMBER	DATE	COUNTRY
29/51287	78	23/12/2014	U.S.A.

DESIGN NUMBER	265314
CLASS	15-99

1)SPRAY ENGINEERING DEVICES LIMITED, AN INDIAN COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, HAVING ITS REGISTERED OFFICE AT

PLOT NO. 25, INDUSTRIAL AREA, PHASE-II, CHANDIGARH-160002 (U.T.), INDIA

DATE OF REGISTRATION	01/09/2014
TITLE	CONDENSER



DESIGN NUMBER	274421
CLASS	26-02

#### 1)DECATHLON,

4, BOULEVARD DE MONS, 59650, VILLENEUVE D'ASCQ, FRANCE, A COMPANY OF FRANCE

DATE OF REGISTRATION	12/08/2015
TITLE	LAMP



#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
002633701-0001	13/02/2015	OHIM

DESIGN NUMBER	274729
CLASS	14-03

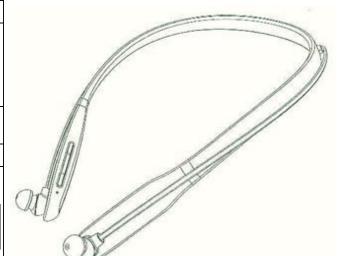
#### 1)MOTOROLA MOBILITY LLC,

222 W. MERCHANDISE MART PLAZA, SUITE 1800, CHICAGO, ILLINOIS, 60654, UNITED STATES OF AMERICA, A LIMITED LIABILITY COMPANY OF THE STATE OF DELAWARE

DATE OF REGISTRATION	21/08/2015
TITLE	AUDIO HEADSET



PRIORITY NUMBER	DATE	COUNTRY
29/518,478	24/02/2015	U.S.A.



DESIGN NUMBER	272704 24-02	
CLASS		

#### 1)REVOLUTIONARY MEDICAL DEVICES, INC 4090 E. BUJIA PRIMERA, TUCSON, AZ 85718, USA

DATE OF REGISTRATION	12/06/2015	
TITLE	SURGICAL MASK	



PRIORITY NUMBER	DATE	COUNTRY
29/511,716	12/12/2014	U.S.A.

DESIGN NUMBER	271377
CLASS	20-02

## 1)UNILEVER PLC, A COMPANY REGISTERED IN ENGLAND AND WALES UNDER COMPANY NO. 41424 OF

UNILEVER HOUSE, 100 VICTORIA EMBANKMENT, LONDON, EC4Y 0DY, UNITED KINGDOM

DATE OF REGISTRATION	14/04/2015	
TITLE	DISPLAY UNIT	



PRIORITY NUMBER	DATE	COUNTRY
002558205-0001	16/10/2014	OHIM

DESIGN NUMBER 269896	269896	
<b>CLASS</b> 12-16		

# 1)MAHINDRA & MAHINDRA LIMITED, A COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1913 WHOSE ADDRESS IS

GATEWAY BUILDING, APOLLO BUNDER, MUMBAI 400001, MAHARASHTRA, INDIA

DATE OF REGISTRATION	26/02/2015	
TITLE	BOOM FOR CRANE	



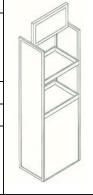
DESIGN NUMBER	271378
CLASS	20-02

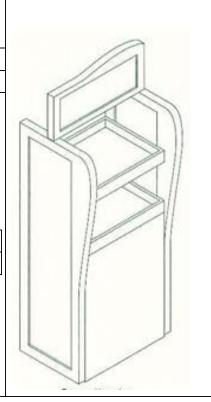
## 1)UNILEVER PLC, A COMPANY REGISTERED IN ENGLAND AND WALES UNDER COMPANY NO. 41424 OF

UNILEVER HOUSE, 100 VICOTORIA EMBANKMENT, LONDON, EC4Y 0DY, UNITED KINGDOM

DATE OF REGISTRATION	14/04/2015	
TITLE	DISPLAY UNIT	

INOMII			
PRIORITY NUMBER	DATE	COUNTRY	
002558205-0002	16/10/2014	OHIM	





DESIGN NUMBER	272839
CLASS	09-03
1)RAMANDEEP SINGH (AN INDIAN NATIONAL), 30-C, ROAD NO-78, PUNJABI BAGH WEST, DELHI-110026	

30-C, ROAD NO-78, PUNJABI BAGH WEST, DELHI-110026		
DATE OF REGISTRATION 18/06/2015		
TITLE	CONTAINER	



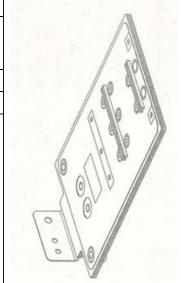
#### PRIORITY NA

<b>CLASS</b> 13-03	

#### 1)GENERAL ELECTRIC COMPANY,

1 RIVER ROAD SCHENECTADY, NEW YORK 12345 UNITED STATES OF AMERICA

DATE OF REGISTRATION	22/06/2015
TITLE	BUSBAR



#### **PRIORITY**

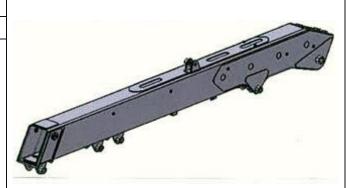
PRIORITY NUMBER	DATE	COUNTRY
29/512878	23/12/2014	U.S.A.

DESIGN NUMBER 269898	
CLASS	12-16
1)MAHINDRA & MAHINDRA LIMITED A COMPANY	

# 1)MAHINDRA & MAHINDRA LIMITED, A COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1913 WHOSE ADDRESS IS

GATEWAY BUILDING, APOLLO BUNDER, MUMBAI 400001, MAHARASHTRA, INDIA

DATE OF REGISTRATION	26/02/2015
TITLE	BOOM FOR CRANE



DESIGN NUMBER	271352
CLASS	10-04

## 1)MR. ROSHAN LAL NARULA, AN INDIAN CITIZEN, PROPRIETOR OF OSHO TOOLS PVT. LTD., AN INDIAN COMPANY AT

65, SANT NAGAR, CIVIL LINES, LUDHIANA-141001

DATE OF REGISTRATION	13/04/2015
TITLE	MEASURING TAPE



#### PRIORITY NA

DESIGN NUMBER	270389
CLASS	08-07

# 1)ROYAL, AN INDIAN PARTNERSHIP FIRM AT C-2/314, G.I.D.C., SHANKER TEKARI UDYOG NAGAR, JAMNAGAR-361004, GUJARAT, (INDIA)

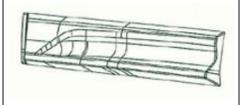
WHOSE PARTNERS ARE AMRUTLAL SAMAT HARIA, AMRUTLAL NARSHI KHIMASIA AND SARLABEN SAVLA, ALL INDIAN OF ABOVE ADDRESS

DATE OF REGISTRATION	17/03/2015
TITLE	SELF LOCK FOR GLASS HINGES



#### PRIORITY NA

DESIGN NUMBER	269840
CLASS	12-16
1)TATA MOTORS LIMITED, AN INDIAN COMPANY OF BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400001, MAHARASHTRA, INDIA	
DATE OF REGISTRATION 25/02/2015	
TITLE	FRONT DOOR CLADDING OF A VEHICLE



DESIGN NUMBER	267845	
CLASS	01-02	
1)MCCAIN FOODS LIMITED, 8800 MAIN STREET, FLOREN 1B2, CANADA	A CANADIAN COMPANY, ICEVILLE-BRISTOL, NEW BRUNSWICK E7L	Thomas
DATE OF REGISTRATION	01/12/2014	
TITLE	ROOT VEGETABLE PRODUCT	
PRIORITY NA		