# पेटेंट कार्यालय शासकीय जर्नल

# OFFICIAL JOURNAL OF THE PATENT OFFICE

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DATE: 31/10/2014

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

## **INTRODUCTION**

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

(Chaitanya Prasad)
CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

31st OCTOBER, 2014

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# THE PATENT OFFICE KOLKATA, 31/10/2014

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	Fax: (91)(22) 24123322		Fax : (91)(44) 2250 2066
	E-mail: cgpdtm@nic.in		E-mail: <u>chennai-patent@nic.in</u>
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	Mumbai – 400 037		CP-2, Sector -V, Salt Lake City,
	Phone: (91)(22) 24137701		Kolkata- 700 091
	Fax: (91)(22) 24137701		Kolkata- 700 091
	E-mail: mumbai-patent@nic.in		Dhono, (01)(22) 2267 1042/44/45/46/97
	<ul> <li>♣ The States of Gujarat, Maharashtra, Madhya</li> </ul>		Phone: (91)(33) 2367 1943/44/45/46/87 Fax: (91)(33) 2367 1988
	, , ,		
	Pradesh, Goa and Chhattisgarh and the Union		E-Mail: <u>kolkata-patent@nic.in</u>
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-	Haveli		❖ Rest of India
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	New Delhi – 110075		
	Phone: (91)(11) 2808 1921 – 25		
	Fax: (91)(11) 2808 1920 & 2808 1940		
	E.mail: <u>delhi-patent@nic.in</u>		
	The States of Haryana, Himachal Pradesh, Jammu		
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	Uttaranchal, Delhi and the Union Territory of		
	Chandigarh.		
	Chandigain.		

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 31/10/2014 क्कार्यालयों के क्षेत्राधिकार के पते

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

1	कार्यालय : महानियंत्रक, एकस्व, अभिकल्प	4	पेटेंट कार्यालय, भारत सरकार
	तथा व्यापार चिहन,		इंटेलेक्चुअल प्रॉपर्टी राइट्स बिल्डिंग, इंडस्ट्रियल इस्टेट
	एंटोप हिल डाकघर के समीप,		एसआईडीसीओ आरएमडी गोडाउन एरिया
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	फ़ैक्सः (91) (22) 24123322		फोन: (91)(44) 2250 2081-84
	ई. मेल: cgpdtm@nic.in		फ़ैक्स: (91)(44) 2250-2066
			ई. मेल: chennai-patent@nic.in
			💠 आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु तथा
			पुडुचेरी राज्य क्षेत्र एवं संघ शासित क्षेत्र, लक्षदीप
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	एंटोप हिल डाकघर के समीप,		बौद्धिक संपदा भवन,
	एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037,		सीपी-2, सेक्टर- V, साल्ट लेक सिटी,
	फोन: (91) (22) 24137701		कोलकाता-700 091, भारत.
	फ़ैक्सः (91) (22) 24130387		फोन: (91)(33) 2367 1943/44/45/46/87
	ई. मेल: Mumbai-patent@nic.in		फ़ैक्स:/Fax: (91)(33) 2367 1988
	<ul> <li>गुजरात, महाराष्ट्र, मध्य प्रदेश, गोवा तथा छत्तीसगढ़</li> </ul>		ई. मेल: kolkata-patent@nic.in
	राज्य क्षेत्र एवं संघ शासित क्षेत्र, दमन तथा दीव,		
	दादर और नगर हवेली.		<ul><li>भारत का अवशेष क्षेत्र</li></ul>
3	पेटेंट कार्यालय, भारत सरकार		
	बौद्धिक संपदा भवन,		
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	फोन: (91)(11) 2808 1921-25		
	फ़ैक्स: (91)(11) 2808 1920, 2808 1940		
	ई. मेल: delhi-patent@nic.in		
	हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,		
	पंजाब,राजस्थान, उत्तर प्रदेश, दिल्ली तथा उत्तरांचल राज्य		
L	क्षेत्रों, एवं संघ शासित क्षेत्र चंडीगढ़		

वेबसाइटः http://www.ipindia.nic.in www.patentoffice.nic.in

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

## **SPECIAL NOTICE**

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

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

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

(Chaitanya Prasad)
CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

### **SPECIAL NOTICE**

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

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

## **SPECIAL NOTICE**

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

#### **CORRIGENDUM**

The Patent Application's No. 1328/KOLNP/2013 & 1329/KOLNP/2013 was published in Pages No. 24614 & 24678 of the Official Journal No 39/2013 dated 27/09/2013 which should be read as:-

(12) PATENT APPLICATION PUBLICATION (21) Application No.1328/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :03/05/2013 (43) Publication Date : 27/09/2013

(54) Title of the invention: UPLINK POWER CONTROL

(51) International classification

H04W52/12,H04W52/24

(31) Priority Document No:61/392,088(32) Priority Date:12/10/2010(33) Name of priority country:U.S.A

(86) International Application No :PCT/SE2011/051156

Filing Date :28/09/2011
(87) International Publication No :WO 2012/050506

(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) TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant: S-164 83 Stockholm, SWEDEN

(72)Name of Inventor: 1)BLOMGREN, Mats 2)HULTELL, Johan 3)JOHANSSON, Klas

#### (57) Abstract:

A power control applied to a radio network controller (40) when a user equipment (300) is in communication with a serving radio base station (10) and at least one other radio base station (20) involves the radio network controller (40) providing a quality representation of an uplink control channel (12) from the user equipment (300) to the serving radio base station (10). The radio network controller (40) generates an updated power quality target for a reference control channel based on the quality representation and transmits the updated power quality target to at least one of the serving radio base station (10) and the at least one other radio base station (20). Alternatively the radio network controller (40) generates an updated power offset for the uplink control channel (12) relative a reference control channel based on the quality representation and transmits the updated power offset to the user equipment (300).

No. of Pages: 42 No. of Claims: 20

(22) Date of filing of Application :03/05/2013 (43) Publication Date : 27/09/2013

#### (54) Title of the invention: HUMAN ANTIBODIES TO HUMAN TNF-LIKE LIGAND 1A (TL1A)

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C07K16/28 : 61/411,276 :08/11/2010 :U.S.A. :PCT/US2011/059675 :08/11/2011 :WO 2012/064682 :NA :NA	(71)Name of Applicant:  1) REGENERON PHARMACEUTICALS INC. Address of Applicant: 777 Old Saw Mill River Road, Tarrytown, New York 10591 U.S.A. (72)Name of Inventor: 1)CLASSON, Brendan, J. 2)SKOKOS, Dimitris
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A fully human antibody or antigen binding fragment of a human antibody that specifically binds and inhibits human TNF like ligand 1A (hTL1A) is provided. The human anti hTL1 A antibodies are useful in treating diseases or disorders associated with TL1 A, such as inflammatory diseases or disorders, such as inflammatory bowel diseases, including ulcerative colitis and Crohn's disease rheumatoid arthritis, and the like; autoimmune diseases or disorders, such as multiple sclerosis, diabetes, and the like; and allergic reactions, such as asthma and allergic lung inflammation.

No. of Pages: 125 No. of Claims: 20

#### **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.1707/MUM/2013 A

(19) INDIA

(22) Date of filing of Application: 13/05/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention : MULTILAYER MELAMINE RESIN TREATED DECORATIVE PAPER LAMINATE SHEETS HAVING THICKNESS FROM 1.5 MM TO 50 MM.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C09J131/04, C08L3/02 :NA :NA :NA :NA :NA :NA : NA	(71)Name of Applicant:  1)MR. ANAND SHAMBUGAR GOSWAMI Address of Applicant:51, DAHYABHAI PARK, NR. OLD DHOR BAZAAR, KANKARIA ROAD, AHMEDABAD, PIN CODE - 380022, GUJARAT, INDIA (72)Name of Inventor: 1)MR. ANAND SHAMBUGAR GOSWAMI
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

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

No. of Pages: 9 No. of Claims: 14

The present invention relates to a process for preparation of multilayer melamine resin treated decorative paper and laminated sheet. Present invention also discloses multilayer laminate sheet.

(21) Application No.1994/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :20/06/2014 (43) Publication Date : 31/10/2014

(54) Title of the invention: SLATWALL

(51) International classification	5/08, A47F 5/00	(71)Name of Applicant: 1)BHAGWATI IRON & STEEL WORKS Address of Applicant :NEAR ABHINADAN APPT, B/H. PARTH TOWER, NAVA VADAJ, AHMEDABAD, GUJARAT,
(31) Priority Document No	:NA	INDIA
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)DINESHBHAI P. PANCHAL
(86) International Application No	:NA	2)KIRITBHAI P. 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:

The present invention relates to a steel slatwall. The present invention relates to the Mega wall steel slatwall, said steel slatwall is a system of profiles (slats) that interlock to form an uninterrupted wall of metal. Said wall of the slat is an improved design which has no visible fasteners. The product is extremely durable and strong compared with traditional MDF slatwall. Visually striking colors and solid colors are available in this product.

No. of Pages: 12 No. of Claims: 8

(19) INDIA

(22) Date of filing of Application :17/04/2014

(21) Application No.1389/MUM/2014 A

(43) Publication Date: 31/10/2014

#### (54) Title of the invention: HONEYCOMB BOBBIN

<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>	B65H75/18 :NA :NA :NA	Address of Applicant :206-B, NEW IND. ESTATE, ROAD NO 6-F, UDHYOGNAGAR, UDHNA, SURAT-394210, GUJARAT, INDIA
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor : 1)UPENDRA D. PATEL
(87) International Publication No	: NA	I)OI ENDRA D. I ATEL
(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 unique honeycomb bobbin or TFO roll for fabric industry. Said bobbin is made up of special composition which renders the product mechanically stronger, thermo resistant and stable. Honeycomb bobbin of the present invention provides a unique pattern of perforation all over the surface of the body of the product which helps to save energy and provides more surface area for dyeing and heat transfer. Honeycomb bobbin of the present invention provides the evenly distributed holes on it which are ranging from 50 to 1000 in number.

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

(21) Application No.3131/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :01/10/2014

(43) Publication Date: 31/10/2014

#### (54) Title of the invention: BREAD MAKING MACHINE

(51) International classification	:A21C (71)Name of Applicant: 3/02, A21C Address of Applicant:BUILDING NO.20B, FLAT NO. 1, TAKSHILA, MAHAKALI CAVES ROAD, ANDHERI (E),
(31) Priority Document No	:NA MUMBAI 400 093 Maharashtra India
(32) Priority Date	:NA (72)Name of Inventor :
(33) Name of priority country	:NA 1)MR. SAMIR HIRALAL VORA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

#### (57) Abstract:

The present invention is a bread maker which can prepare all types of breads like Indian (Chapathi, Roti, Bhakhari, Thepla, Puri, Khakhra, Naan, Paratha etc.) Italian bread (Pizza breads etc.,) Mexican (Tortila etc.,), Arabian (Khubus etc.) and all other varieties with the facility to choose the thickness and the size of the bread as well as to choose the cooking temperature with specific time period. The machine has a compact design can be used for domestic purposes as well as for the commercial purposes. These machines run on electricity and are very economical. These machines can also be cleaned very easily and hygienically and these are very good for the health of the user

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

(22) Date of filing of Application :01/10/2014 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: PORTABLE BREAD MAKER/HOT PLATE

-		
(51) International classification		
(31) Priority Document No	:NA MUMBAI 400 093 Maha	rashtra India
(32) Priority Date	:NA (72)Name of Inventor:	
(33) Name of priority country	:NA 1)MR. SAMIR HIRAI	LAL VORA
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) 11	•	

#### (57) Abstract:

The present invention is a bread maker which can prepare all types of breads like Indian (Chapathi, Roti, Bhakhari, Thepla, Puri, Khakhra, , Naan, Paratha etc.) Italian bread (Pizza breads etc.,) Mexican (Tortila etc.,), Arabian (Khubus etc.) and all other varieties with the facility to choose the thickness and the size of the bread as well as to choose the cooking temperature with specific time period. The machine has a compact design can be used for domestic purposes as well as for the commercial purposes. These machines run on electricity and are very economical. These machines can also be cleaned very easily and hygienically and these are very good for the health of the user

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

(22) Date of filing of Application :01/10/2014

(43) Publication Date: 31/10/2014

#### (54) Title of the invention: AN AUTOMATED ELECTRONIC CYLINDER OF JACQUARD MACHINE

(51) International classification	3/20, D04B	(71)Name of Applicant:  1)NARHARI PRABHAKAR CHIPPA Address of Applicant:1534, DAJI PETH, NEAR BALAJI TEMPLE, SOLAPUR-413 005, MAHARASHTRA (INDIA)
	D04B	2)MR. SHRINIWAS PRABHAKAR CHIPPA
	1/24	(72)Name of Inventor:
(31) Priority Document No	:NA	1)NARHARI PRABHAKAR CHIPPA
(32) Priority Date	:NA	2)MR. SHRINIWAS PRABHAKAR CHIPPA
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Alastra at .	· ·	

#### (57) Abstract:

An automated electronic cylinder, an attachment of a textile mechanical Jacquard machine, a shedding apparatus placed on the top of the loom for producing large figure patterns during weaving, comprising amongst others of a series of holes, at an equal distance in vertical and horizontal direction in which needles of the mechanical jacquard which are selected as per the required design pattern of the cloth to be woven, are disposed, - a Dual Coil / rotary solenoid coil disposed corresponding to each hole, lever in the form of an elongated member pivoted, attached on the lever on one side towards dual coil is a small Ferrite/rare earth Magnet covered with small metal cap of C shape which is cross sectional shape being specially designed so that when the lever rotates along the pivot due to attraction or repulsion of the Dual Coil either it blocks or clears(unblocks) the front hole by resting itself on the front stopper base a front stopper pin disposed of for each hole, such that rotation of lever along pivot is generated by attraction or repulsion of ferrite /rare earth magnet when the dual coil or rotary solenoid coil is actuated by Electronic circuit allowing it either to rotate in anti-clockwise direction and thereby blocking the hole, or clockwise direction and thereby non-blocking the hole and reverse format viz rotation of lever along pivot is generated by actuating the dualcoil or rotary solenoid coil by Electronic circuit allowing it either to rotate in clockwise direction and thereby blocking the hole, or anti-clockwise direction and thereby non-blocking the hole.

No. of Pages: 25 No. of Claims: 7

(22) Date of filing of Application :08/10/2014 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: AN ACCURATE APPROACH TO DETERMINE REAL ESTATE VALUE.

	:G06Q	(71)Name of Applicant:
(51) International classification	50/16,	1)MR. PANKAJ KAPOOR
	G06F17/30	Address of Applicant :S6, PINNACLE BUSINESS PARK,
(31) Priority Document No	:NA	MAHAKALI CAVES ROAD, NEAR AHURA CENTRE, MIDC,
(32) Priority Date	:NA	ANDHERI EAST, MUMBAI 400093 Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)MR. PANKAJ KAPOOR
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 disclosure relates to an automated Scientific and unbiased valuation of the property calculator. This is based on decoding of Price-Setting of an urban centre and then creating a simulation model that predicts the prices of given coordinate on earth for a differentiating product (property) and differentiating geo spatial characteristics.

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

(19) INDIA

(22) Date of filing of Application :21/10/2013

(21) Application No.3287/MUM/2013 A

(43) Publication Date: 31/10/2014

#### (54) Title of the invention: VISION 3D

<ul> <li>(51) International classification</li> <li>(31) 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>	G01C11/00 :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)VASUDEV P. ANKOLIYA Address of Applicant: 7/2902, LAXMI NARAYAN BHAVAN, NANI KADIYA STREET, SAIYADPURA, B/H. SAHAJANAND LASSER, SURAT - 395003, Gujarat India (72)Name of Inventor: 1)VASUDEV P. ANKOLIYA
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	
Filing Date	.NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to the process of generating diamonds images for use in determining a texture and outer appearance and make it more feasible for online selling. The apparatus comprising: a supporting stage where diamond can be placed and remain attached by appropriate vacuum system. Said process for generating the images of the diamond comprises arrangement of the cameras at different angles to capture the three dimensional solitaire views, preferably a diamond view.

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

(19) INDIA

(22) Date of filing of Application :21/10/2013 (43) Publication Date : 31/10/2014

(54) Title of the invention: VISION 360

<ul> <li>(51) International classification</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>	:B60R1/00, H04N7/18 :NA :NA :NA :NA	(71)Name of Applicant:  1)VASUDEV P. ANKOLIYA  Address of Applicant: 7/2902, LAXMI NARAYAN BHAVAN, NANI KADIYA STREET, SAIYADPURA, B/H. SAHAJANAND LASSER, SURAT- 395003, Gujarat India (72)Name of Inventor:
Filing Date	:NA	1)VASUDEV P. ANKOLIYA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.3288/MUM/2013 A

#### (57) Abstract:

The present invention relates to an apparatus for generating images of diamond which serves Hie purpose of displaying the product and to give the right impression of the said product through technological gateway. The apparatus comprising: a supporting stage and a distinct arrangement of lights. A support structure being arranged such that the diamond has an axis of symmetry, a diamond is supportable such that the axis of symmetry is parallel to an axis X passing through the observation position; illumination means arranged to illuminate a diamond so placed with a spatially varied light pattern: rotation means arranged to cause relative rotation between the light pattern and the support structure generally about the axis X; a camera arranged to capture, at each of plurality of rotational positions, an image of light returned by the diamond and to output said images as 360° diamond views.

No. of Pages: 10 No. of Claims: 6

(22) Date of filing of Application :02/10/2014

(43) Publication Date: 31/10/2014

# (54) Title of the invention : DEVICE AND PROCESS FOR MAKING 3 DIMENSIONAL MESH PROSTHESIS FOR HERNIA REPAIR SURGERY

:A61F2/00,	(71)Name of Applicant:
A61B	1)Dr. Sortey Devendrakumar Damodar
17/00	Address of Applicant :304, Krishna Pride, 17-Navneet society,
:NA	Narendranagar, Nagpur Maharashtra India
:NA	2)Dr. Sortey Kanchan Devendrakumar
:NA	(72)Name of Inventor:
:NA	1)Dr. Sortey Devendrakumar Damodar
:NA	2)Dr. Sortey Kanchan Devendrakumar
: NA	
:NA	
:NA	
:NA	
:NA	
	A61B 17/00 :NA

#### (57) Abstract:

Present invention provides specially method and device of 3 dimensional Mesh Hernia System which is equally effective and serves the purpose repairing hernia defect anteriorly and posteriorly. It only involves the cost of Mesh & suturing material bought from the surgical market which in turn works out to be very affordable for a common man. Hence the present device makes it easier for a surgeon to prepare the 3 D mesh prosthesis in a quite lower cost. Thus by using this device and procedure of making this mesh, the benefits of the 3 D Mesh repair of the hernia can be passed on to the patients anytime, anywhere and by any general surgeon, thus providing the benefits of this new technique even in the remotest area of the country and even to economically weaker population as it does not require costly gazettes and set-up. Following invention is described in detail with the help of Figure 1 of sheet 1 shows main disc, Figure 2 of sheet 2 shows back cover plate, Figure 3 of sheet 3 shows front cover plate, Figure 4 of sheet 4 shows onlay Template, Figure 5 of sheet 5 shows collar bush.

No. of Pages: 26 No. of Claims: 7

(22) Date of filing of Application :13/10/2014 (43) Publication Date : 31/10/2014

# (54) Title of the invention: AN EFFICIENT ENZYME CATALYZED METHODOLOGY FOR SYNTHESIS OF LEVULINATE ESTERS USING LIPASE AND SUPERCRITICAL CARBON DIOXIDE AS A GREEN BIOCATALYST AND SOLVENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	C12P 7/62 :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)BHANAGE BHALCHANDRA MAHADEO Address of Applicant: DEPARTMENT OF CHEMISTRY, INSTITUTE OF CHEMICAL TECHNOLOGY, NATHALAL PAREKH MARG, MATUNGA (EAST), MUMBAI-400 019, MAHARASHTRA, INDIA 2)BADGUJAR KIRTIKUMAR CHANDULAL (72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)BADGUJAR KIRTIKUMAR CHANDULAL
Filing Date	:NA	2)BHANAGE BHALCHANDRA MAHADEO
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention offers a green method for the synthesis of alkyl levulinate esters using biocatalyst lipase in solvent super critical carbon dioxide. This methodology possesses the advantages like greener biocatalyst and greener super critical carbon dioxide solvent which accomplish an eco-friendly aspect. This invention reports an efficient process for synthesis of various types of levulinate esters (alkyl and aryl) at 10-70 °C temperature for 1-24 h using biomass derived levulinic acid as a source. The process used is simple and efficient to obtain higher yield of product with easy work-up process. This method provided 40-99 % isolated yield of corresponding levulinate ester molecules.

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

(22) Date of filing of Application :07/10/2014 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: NIRBHAYA: INTELLIGENT ALERT SYSTEM FOR IMPROVED SECURITY AGAINST CRIME

(51) International classification	:G08B 21/02,H04W12/00,H04M	(71)Name of Applicant: 1)HIMANSHU KUMAR AGRAWAL
(* -)	1/00,	Address of Applicant :H.NO. 167/SECTOR 9B, SAKET
(31) Priority Document No	:NA	NAGAR, BHOPAL PIN: 462024 Madhya Pradesh India
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)HIMANSHU KUMAR AGRAWAL
(86) International Application No	:NA	2)NAMAN KUMAR AGRAWAL
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) 11		1

#### (57) Abstract:

Today safety of women, girls and children is becoming a serious concern to worry. As per Right To Information (RTI) request, filed in June 2013, it was found that 49,170 cases of crimes against women are still pending in courts across the state of Maharashtra (Mumbai is its capital). This number has increased by 40% between 2008 and 2012. Of the 14,414 rape cases tried in Maharashtra last year, 13,388 remain pending. Still today women and girls are being raped and sexually harassed. Children are becoming a victim of trafficking. This creates a sense of fear and security issue to them. Keeping this in mind this system has been designed to reduce this security issue to a very large extent by alerting the nearest police station using sim communication if someone finds himself/herself in a danger. And then police force can actively track and easily send force directly to victims location. That will definitely help reduce fear and improvise safety and security.

No. of Pages: 15 No. of Claims: 6

(21) Application No.3252/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :14/10/2014 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: AN IMPROVED EMULSION DILUTER WITH WATER BASE HAVING HIGH PERFORMANCE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	C09D 5/02, C09D 133/00 :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)MR. LALIT MITHALALJI JAIN Address of Applicant: C/O. RHYTHM JEWELS, SHOP # 6, 11/13 SHEIKH MEMON STREET, LADIWALA CHAMBERS, ZAVERI BAZAAR, MUMBAI 400 002 MAHARASHTRA, INDIA 2)MR. SANJAY UMEDMAL KOTHARI (72)Name of Inventor: 1)MR. LALIT MITHALALJI JAIN 2)MR. SANJAY UMEDMAL KOTHARI
(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 describes of water based emulsion diluter with high performance, which is overcome various drawback from existing product. It is eco friendly; its very simple and easy to mix with any water based paint.

No. of Pages: 11 No. of Claims: 9

(21) Application No.1109/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :05/03/2014 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: IMPROVED SYNTHESIS OF ROMIDEPSIN

<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)DEVASANI, Gopinath Reddy Address of Applicant: S/O Devasani Govinda Reddy, Plot 146 A, Phase II IDA, Mallapur, Hyderabad 500076, Andhra Pradesh,
(86) International Application No	:NA	India.
Filing Date	:NA	2)GURRAM, Raji Reddy
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)DEVASANI, Gopinath Reddy
Filing Date	:NA	2)GURRAM, Raji Reddy
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention discloses an improved and feasible process for preparation of key fragment (S,E)-3-hydroxy-7-(tritylthio) hept-4-enoic acid useful in the synthesis of romidepsin and to the synthesis of romidepsin thereof.

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

(21) Application No.2931/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :16/06/2014 (43) Publication Date : 31/10/2014

# (54) Title of the invention : SYSTEM AND METHODS FOR FACILITATING A SELECTIVE VIEWING OF CONTENT IN A CONTENT DISPLAYING ENVIRONMENT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:NA :NA	(71)Name of Applicant:  1)SAMAR SAXENA Address of Applicant: GF, Plot 878 Ayyappa Society, Madhapur, Hyderabad-500081, Telangana State, Andhra Pradesh, India.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)SAMAR SAXENA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

System and methods for facilitating a selective viewing of content are disclosed. The method includes displaying a content comprising a plurality of displayable frames comprising an intended content embedded in an unintended content, whereby the intended content configured for viewing using a visual display aid and restricted for viewing without using the visual display aid, restricted for viewing using a visual display aid and configured for viewing without using the visual display aid, one type of content configured to be displayed for a corresponding visual display aid and restricted for viewing using other visual display and other content configured to be displayed for a corresponding visual display aid and restricted for viewing using other visual display aid, the intended content configured to be displayed using a corresponding visual display aid and configured to be partially viewed using without using a visual display aid.

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

(22) Date of filing of Application :07/10/2014

(43) Publication Date: 31/10/2014

# (54) Title of the invention : SYSTEM AND METHOD FOR DISPLAYING A SIGNAL TO GEAR-CHANGE BASED ON A WHEEL DIRECTION OF A BICYCLE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:b62m :NA :NA	(71)Name of Applicant:  1)K. ADITYA VARMA Address of Applicant: A-31, A.W.H.O,Colony, Ved-Vihar,
(33) Name of priority country (86) International Application No	:NA :NA	Trimulgherry, Secunderabad, Hyderabad-500015, Telangana, India.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No (61) Patent of Addition to Application Number	: NA :1435/CHE/2014	1)K. ADITYA VARMA
Filed on	:01/01/1900	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Exemplary embodiment of the present disclosure is directed towards a system and method for displaying a signal to gear-change based on a wheel direction of a bicycle. The system includes a first inductive proximity sensor configured to detect an angular velocity of a bicycle pedal through a first proximity sensor roller. A second inductive proximity sensor configured to detect an angular velocity of a bicycle wheel through a second proximity sensor roller. An ultrasonic distance sensor configured to detect a direction of a front wheel of bicycle through an ultrasonic sensor roller. And a gear indicator configured to display an operating velocity and operating gear.

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

(22) Date of filing of Application :15/10/2014 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: HEIGHT AND WIDTH DETECTION OF TRACKS WITH VERNINER TO DEVICE (V2D)

(51) International classification :b61 (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	RESEARCH AND EDUCATION), ANAND NAGAR, KRISHNANKOIL, SRIVILLIPUTTUR - 626 126 Tamil Nadu India 2)P. SIVAKUMAR 3)K.S. DHANALAKSHMI 4)M. VINOTH KUMAR 5)M VISHNII VARDHAN
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#### (57) Abstract:

In our day-to-day life railway transports are facing major accidents, such as derailed, fire accidents, rammed accidents, going out of ago from the track without the control of loco-pilot, some disasters in rainy seasons, anti-collision accidents. In rainy seasons the sand and gravel near the tracks will form as a slope. In India, the railway track is located about 1 lakh kilometers out of that 64,000 kilometers are used for transportation. The trolley is the major vehicle to detect the track measurements. The trolley is of two types. By moving a trolley, and stop the trolley at the specific spot to identify the measurement. Stopping the trolley at the definite spot and measuring with Vernier gauge will show the measurement on that spot only that too manually measured. Vernier gauge is used manually. At present, there are several problems todetect manually. Such as not at long distance is accurately detected. The tracks are fixed once constantly and they do not have a temporary replacements. Tracks fixed above the grit (gravel) are constant but the gravel are not constant because of soils found near the track, and in rainy seasons the track will found a little slide from the fixed position. When the heavy load or goods train travel on that spot the slide will still be increasing. So that to measure that sliding the Vernier gauge is used manually, to measure that sliding with a device we proposed to use ultrasonic sensors and Vernier to device. To measure the height, a single ultrasonic sensor is used and the width is measured by another ultrasonic sensor is used.

No. of Pages: 14 No. of Claims: 5

(21) Application No.5153/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :15/10/2014 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: METHOD AND SYSTEM FOR DETERMINING MATURITY OF AN ORGANIZATION

(51) International classification	:g06q	(71)Name of Applicant:
(31) Priority Document No	:NA	1)WIPRO LIMITED
(32) Priority Date	:NA	Address of Applicant :Doddakannelli, Sarjapur Road,
(33) Name of priority country	:NA	Bangalore 560035, Karnataka, India.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SREENIVAS KUNAPULI
(87) International Publication No	: NA	2)RITESH KUMAR JAIN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present disclosure relates to a method and a system for determining digital maturity of an organization for digital enablement. In one embodiment, the method and system determines a weightage value of one or more digital parameters and further determines a final digital maturity index based on the weightage value and one or more digital indices associated with the one or more digital parameters. The method further determines a digital satisfaction index to determine the satisfaction level of the users in determining the digital maturity of the organization. Thus the method and system determines digital maturity of the organization so as to enable digital programs, to determine the focus area for digital maturity, to provide transparency of digital information to managers, to prioritize and implement functions significant for the organization and to identify differentiators for the organization in the context of digital footprint.

No. of Pages: 35 No. of Claims: 13

(21) Application No.5163/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :15/10/2014 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: A METHOD FOR ISOLATION OF AN ORTHO QUINONE METHIDE INTERMEDIATE

	0-1	
(51) International classification	:c07d	(71)Name of Applicant:
(31) Priority Document No	:NA	1)KALAVAGUNTA PRAVEEN KUMAR
(32) Priority Date	:NA	Address of Applicant :Plot No: 31, H.No:4-1-77/4/2, Srinagar
(33) Name of priority country	:NA	colony, Nacharam, Hyderabad-500076, Telangana, India.
(86) International Application No	:NA	2)PALA RAJASEKHAR REDDY
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)KALAVAGUNTA PRAVEEN KUMAR
(61) Patent of Addition to Application Number	:NA	2)PALA RAJASEKHAR REDDY
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Exemplary embodiments of the present disclosure are directed towards a very first method for isolation of naphthalene based ortho quinone intermediate, wherein the ortho quinone intermediate is 2-oxonaphthalen-1(2H)-ylidene) methyl trifluoromethanesulfonate. It is isolated from 2-hydroxynaphthalene-1-carbaldehyde by adding predetermined amounts of dry dichloromethane, dry pyridine and triflic anhydride under specific reaction conditions. The isolation of ortho quinone intermediates would pave way for generation of derivatives of 2-hydroxynaphthalene-1-carbaldehyde with substitution at positions other than the 6th position, with applications in medicine and other fields.

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

(21) Application No.5180/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :16/10/2014 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: ERGONOMIC FURNITURE ELEMENTS FOR CUSTOMIZED FORMATION OF FURNITURE

(51) International classification	:a47c	(71)Name of Applicant:
(31) Priority Document No	:NA	1)ANANT IKSHWAKU RAJ REDDY
(32) Priority Date	:NA	Address of Applicant :8-2-120/110/1/8, Road No. 14, Banjara
(33) Name of priority country	:NA	Hills, Hyderabad-500034, Telangana, India.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ANANT IKSHWAKU RAJ REDDY
(87) 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:

Exemplary embodiments of the present disclosure are directed towards ergonomic furniture elements for customized formation of furniture. The furniture assembly comprising a stable foundation structure and a modular furniture structure formed over the stable foundation structure, whereby the stable foundation structure and the modular furniture structure formed by a plurality of detachably coupled ergonomic furniture elements constituting a skeletal cube structure.

No. of Pages: 21 No. of Claims: 8

(21) Application No.1994/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :17/04/2014 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: AUTOMATIC MACHINE FOR ROASTING SAGO GRANULES

(51) International classification (31) Priority Document No	:a23g :NA	(71)Name of Applicant: 1)G. Sakthivel
(32) Priority Date	:NA	Address of Applicant : M/s.G.S.J. Engineering Works, 148-A,
(33) Name of priority country	:NA	Attur Main Road, Namagiripet 637 406, Namakkal District,
(86) International Application No	:NA	Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)G. Sakthivel
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An embodiment herein discloses an automatic machine for roasting sago and/or sago granules, wherein the automatic machine includes an inlet port for supplying sago granules into the machine, a surface region provided inside the machine for placing and heating sago granules, plurality of trays placed over the surface region to form tray mechanism for moving sago granules from one end to another end, and a heating mechanism for heating the surface region and sago granules at a desired temperature. The trays are placed along the width of machine on a tray rod to form a tray row, wherein the pluralities of tray row are placed along the length of machine to form the tray mechanism.

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

(21) Application No.5102/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :10/10/2014 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: SPRAYABLE COOKING FAT COMPOSITION

(51) International classification	·a231	(71)Name of Applicant:
(31) Priority Document No	:NA	1)RAMI REDDY BOMMAREDDY
(32) Priority Date	:NA	Address of Applicant :28-77, R K Buildings, Sivalayam Street,
(33) Name of priority country	:NA	Pamarru, Krishna District, Andhra Pradesh- 521157, India.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)RAMI REDDY BOMMAREDDY
(87) 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 an Animal fat based food and cooking spray composition that comprises Edible Animal fat, Food grade surfactant, Food grade Solvent and optional ingredients such as flavouring agents, Ayurvedic ingredients or extracts. The composition reduces the sticking of the food to cooking utensils, reduces the quantity of the fat consumption and delivers desired taste, aroma and reduces calories. Also disclosed is an article of commerce that comprises the spray composition, a container for containing the composition, and instructions associated therewith.

No. of Pages: 21 No. of Claims: 16

(21) Application No.4428/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :10/09/2014 (43) Publication Date : 31/10/2014

# (54) Title of the invention : DEVICE FOR VIRTUAL MAPPING OF ENVIRONMENT USING DIGITAL IMAGE PROCESSING AND VIRTUAL SURROUND TECHNIQUES

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:g01s :NA :NA	(71)Name of Applicant:  1)KRISHNA CHAITANYA PODURU  Address of Applicant: Plot no: 40, 54-20-10, opp SBH,
(32) Priority Date (33) Name of priority country (86) International Application No	:NA	Mahajan Dental Clinic, Gurunanak colony road, Vijayawada- 520008 ANDHRA PRADESH ,INDIA
Filing Date (87) International Publication No	:NA	2)K.VENKATA SUJIT (72)Name of Inventor:
(61) Patent of Addition to Application Number Filing Date	:NA :NA	1)KRISHNA CHAITANYA PODURU 2)K.VENKATA SUJIT
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention deals with the design and implementation of a device which virtually maps the surrounding environment for the detection of the objects and finding the azimuthal position of the same. Thus using the digital image processing technology and virtual surround techniques one blind person can easily identify the position of the objects present in front.

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

(22) Date of filing of Application: 10/09/2014 (43) Publication Date: 31/10/2014

#### (54) Title of the invention: DISPOSABLE BOARD DRINKING CUP

(51) International classification	:b65d	(71)Name of Applicant:
(31) Priority Document No	:NA	1)PALADHI DHANUNJAI
(32) Priority Date	:NA	Address of Applicant :PLOT NO.B-20, IDA KUKATPALLY,
(33) Name of priority country	:NA	GANDHI NAGAR, BALANAGAR, HYDERABAD-500037,
(86) International Application No	:NA	TELENGANA, INDIA.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PALADHI DHANUNJAI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.4429/CHE/2014 A

#### (57) Abstract:

(19) INDIA

Exemplary embodiments of the present disclosure are drawn to a board drinking cup with a frustoconical outer cover forming the tapered sidewall with its edges involuted at least partly on the sidewall to form a rim, the folding point forming the cup mouth and a closed bottom end having a diameter less than the open end at the top. The invention dwells mainly on the size of the board drinking cup and also addresses the problem of rigidity encountered when using conventional cups. This feature of rigidity may be attributed to the structural design of the base and thereby prevents the cup from collapsing when hot liquids are poured into it.

No. of Pages: 12 No. of Claims: 8

(21) Application No.5099/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :10/10/2014 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: A GARMENT CARRIER MOUNTED IN A CARGO SPACE OF A VEHICLE

(51) International classification	·247g	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Daimler AG
(32) Priority Date	:NA	Address of Applicant :70546, Stuttgart, Germany
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)Amit Chandrakant RASAL
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 garment carrier for use in a cargo space of a vehicle comprising of a housing (3) mounted on a portion of the cargo space of the vehicle. A roller (4) is rotatably installed within the housing (3), and is attached on one end to an envelope (1). The envelope (1) is configurable to be unwound in one direction over the roller (4) to an outside of the housing (3), and wound in an opposite direction into a roll to an inside of the housing (4). The envelope (1) is further configurable to enclose a garment. A holder arrangement is mounted on a surface opposite to the housing (3), and is configured to suspend the envelope (1) in an unrolled configuration, when the envelope (1) is unwound from the housing (1).

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

(21) Application No.5110/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :11/10/2014 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: A SUNROOF WINDOW ASSEMBLY FOR A VEHICLE

(51) International classification :b6	0j   (71)Name of Applicant :
(31) Priority Document No :N.	1)Daimler AG
(32) Priority Date :N.	Address of Applicant :70546, Stuttgart, Germany
(33) Name of priority country :N.	(72)Name of Inventor:
(86) International Application No :N.	1)Jai SINGH
Filing Date :N.	2)Sujit PURANIK
(87) International Publication No : N	A
(61) Patent of Addition to Application Number :N.	$\Lambda$
Filing Date :N.	$\Lambda$
(62) Divisional to Application Number :N.	$\Lambda$
Filing Date :N.	A

#### (57) Abstract:

The present invention relates to a frameless sunroof window assembly for a vehicle. The sunroof including a roof panel, a first hinge integrated to the roof panel and a second hinge coupled to the vehicle body. The first hinge and the second hinge are engaged in a cam mechanism to enable a sliding action for opening and closing of the sunroof window.

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

(22) Date of filing of Application :03/09/2014 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: SYSTEM AND METHOD FOR GENERATING HYDROGEN FUEL

(51) International classification	:f01k	(71)Name of Applicant:
(31) Priority Document No	:NA	1)RAVIKUMAR GUTTA
(32) Priority Date	:NA	Address of Applicant :C/o: Sri Kiron Scientific Traders, Door
(33) Name of priority country	:NA	No-2718-82, Congress Office Road, Governor Pet, Vijayawada-
(86) International Application No	:NA	520002, Andhra Pradesh, India.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)RAVIKUMAR GUTTA
(61) Patent of Addition to Application Number	:3092/CHE/2014	
Filed on	:01/01/1900	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Exemplary embodiment of the present disclosure is directed towards a system and method for generating hydrogen fuel from the steam produced for thermal power production. The system including a steam collecting chamber configured to collect steam from a water boiler, an electrolysis chamber configured to receive the steam from the steam collecting chamber for separating the steam into hydrogen and oxygen, a compression and storage station configured to collect the hydrogen from the electrolysis chamber for reserving the hydrogen with a predetermined pressure, a hydrogen filling station configured to collect the hydrogen from the hydrogen compression and storage station for utilizing in hydrogen internal combustion engine vehicles and a fuel cell configured to collect the separated hydrogen and oxygen for generating clean power and clean water (H2O).

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

(21) Application No.5121/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :13/10/2014 (43) Publication Date : 31/10/2014

# (54) Title of the invention: IMPROVED PROCESS FOR THE PREPARATION OF HIGH PURE METFORMINE

(51) International classification	:a61k31/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)KAMAVARAPU SARATH KUMAR
(32) Priority Date	:NA	Address of Applicant : K. Sarath Kumar, 5-7-15/1, Flat.No.
(33) Name of priority country	:NA	101, Srinivasasadan, Dayarguda, Near Metero, Kukatpally,
(86) International Application No	:NA	Hyderabad Telangana India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Dr. Vejju V V N S Rama Rao
(61) Patent of Addition to Application Number	:NA	2)KAMAVARAPU SARATH KUMAR
Filing Date	:NA	3)KAMAVARAPU SARATH KUMAR
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

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

The present invention provided an improved process for the preparation of Metformin compound of formula I or its pharmaceutically acceptable salts thereof, by employing an alcoholic solvent throughout the process

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

(21) Application No.2971/CHE/2014 A

(19) INDIA

(22) Date of filing of Application: 18/06/2014 (43) Publication Date: 31/10/2014

# (54) Title of the invention : BIOLOGICAL WEED PREVENTION THROUGH COCHLIOBOLUS LUNATUS (SBT-30): PROCESS, PREPARATION AND DEVELOPMENT OF DELIVERY SYSTEM

(51) International classification	:a01n	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Sribiotech Laboratories India Ltd.
(32) Priority Date	:NA	Address of Applicant :Biosphere, Plot No. 21, Street No. 2,
(33) Name of priority country	:NA	Sagar Society, Road No. 2, Banjara Hills, Hyderabad-500034,
(86) International Application No	:NA	Telangana State, India.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Dr. Ramkoti Reddy Kondamadugula
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Exemplary embodiments of the present disclosure are directed towards a composition for controlling weeds comprising mycoherbicidal agents selected from either cultures or metabolic extracts of Cochliobolus lunatus, Gibberella intermedia and Alternaria alternata. The present invention also discloses a method of controlling Echinochloa crus-galli in paddy fields by either suppressing the growth of the weeds or by killing the weeds on application of an effective amount of the myco-herbicidal composition on the weeds.

No. of Pages: 22 No. of Claims: 8

(22) Date of filing of Application :16/10/2014 (43) Publication Date : 31/10/2014

# (54) Title of the invention: COMPUTERIZED SYSTEMS AND METHODS FOR PRESENTING SECURITY DEFECTS

(51) International classification	:g06f	(71)Name of Applicant :
(31) Priority Document No	:14/224,869	1)WIPRO LIMITED
(32) Priority Date	:25/03/2014	Address of Applicant :Doddakannelli, Sarjapur Road,
(33) Name of priority country	:U.S.A.	Bangalore 560035, Karnataka, India.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SOURAV SAM BHATTACHARYA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Systems and methods for presenting and mitigating security defects in a systems development process. The method comprises receiving a set of security defects, each of which may be associated with a severity level and a development stage. The method further comprises applying at least one rule to one of the received security defects to determine whether a risk associated with the at least one defects is reduced. Each rule may be associated with a weight representative of the probability that the rule correctly predicts that the risk is reduced. The method further comprises determining which of the rules applied to the at least one defect and appropriately modifying the associated severity level. The method further comprises presenting the received security defects, based on the severity level associated with each defect and the weight associated with a rule applied to each defect. Systems and computer readable media are also provided.

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

(22) Date of filing of Application :08/10/2014 (43) Publication Date : 31/10/2014

# (54) Title of the invention: NEW MEDIA FOR GROWING FUNGI AND BACTERIA AND ITS PRODUCTION TECHNOLOGY

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:NA :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)National Institute of Plant Health Management (NIPHM),</li> <li>Department of Agriculture &amp; Cooperation, Ministry of</li> <li>Agriculture, Govt. of India.</li> <li>Address of Applicant: Rajendra Nagar Hyderabad- 500030,</li> <li>Telgana, India.</li> <li>(72)Name of Inventor:</li> </ul>
<ul><li>(61) Patent of Addition to Application Number</li><li>Filed on</li><li>(62) Divisional to Application Number</li></ul>	: NA :1752/CHE/2014 :01/01/1900 :NA :NA	

### (57) Abstract:

Exemplary embodiments of the present disclosure are directed towards aculture medium for the growth of microorganisms comprising an extract of wheat grainswherein the extract in water yields a SG-I liquid medium and wherein the extract when oven-dried yields a SG-II powder medium. Another exemplary embodiments of the present disclosure are directed towards aculture medium for the growth of microorganisms comprising an extract of Pearl Millet grains, which yields SG-III, and SG-IV, and further processing yields SG-V and SG-VI media. SG = Developed by S=Dr K.Satyagopal, IAS, Director General, NIPHM, G = Dr Girish AG, Assistant Director, NIPHM.

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

(21) Application No.5162/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :15/10/2014 (43) Publication Date : 31/10/2014

# (54) Title of the invention : APPARATUS FOR THE GASIFICATION AND COMBUSTION OF BIO-FUELS AND THEIR METHODS 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>(36) International Application No</li> </ul>	:NA :NA :NA	(71)Name of Applicant:  1)Chef Kraft Private Limited  Address of Applicant: No-4, Kamaraj Colony, Chitlapakkam, Chennai- 600064, Tamil Nadu, India.
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor : 1)M.Venkatesan
(87) International Publication No	: NA	, , , , , , , , , , , , , , , , , , ,
(61) Patent of Addition to Application Number	:NA	3)N.Shagul Ameed
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Apparatuses and methods for effective combustion and efficient use of fuel are disclosed. The invention is characterised by supply of air through a pre-determined size and number of apertures on the inner wall of the gasification and combustion zone in the apparatus disclosed here. One of the embodiment of the invention disclosed here is an advanced biomass gas reactor which works under diverse conditions with regards to feed, shape, size, moisture levels, bulk density and likewise. The gasification zone temperatures are maintained above 1000degC and above to achieve a tar-free gas even with extreme conditions of feedstock properties. The invention will find use in multiple industries requiring heat.

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

(22) Date of filing of Application :05/09/2014 (43) Publication Date : 31/10/2014

# (54) Title of the invention: A SYSTEM AND METHOD FOR CALIBRATING ACOUSTIC TIDE GAUGE

(51) International classification	:g01f	(71)Name of Applicant:
(31) Priority Document No	:NA	1)NATIONAL INSTITUTE OF OCEAN TECHNOLOGY
(32) Priority Date	:NA	Address of Applicant :National Institute of Ocean Technology
(33) Name of priority country	:NA	(Ministry of Earth Sciences, Govt. of India) Velachery-Tambaram
(86) International Application No	:NA	Road Pallikaranai Chennai - 600100. Tamil Nadu, India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)RANGANATHAN Sundar
(61) Patent of Addition to Application Number	:NA	2)RANGAN Srinivasan
Filing Date	:NA	3)GIDUGU ANANDA Ramadass
(62) Divisional to Application Number	:NA	4)MALAYATH ARAVINDAKSHAN Atmanand
Filing Date	:NA	

#### (57) Abstract:

A system and method for calibrating acoustic tide gauge used for sea level measurement is disclosed, wherein the acoustic tide gauge is calibrated by comparing a liquid level measured by acoustic tide gauge with a highly accurate digital pressure sensor and the acoustic tide gauge is calibrated to match with liquid level value computed from the pressure measured by the digital pressure sensor.

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

(21) Application No.4447/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :11/09/2014 (43) Publication Date : 31/10/2014

# (54) Title of the invention : METHOD AND SYSTEM FOR MANAGING DIGITAL CASH IN DIGITAL WALLET IN DEVICE OF A USER

<ul><li>(51) International classification</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 :NA	(71)Name of Applicant:  1)KANHATECH SOLUTIONS LIMITED  Address of Applicant:#74, 5th Floor, Prestige Feroze Building, Cunningham Road, Bangalore 560052, Karnataka, India.
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:NA : NA :NA :NA :NA	<ul><li>(72)Name of Inventor:</li><li>1)Kumar Chellappan Kushal</li><li>2)Manoj Kumar Arora</li></ul>
Filing Date	:NA	

#### (57) Abstract:

Embodiments of the present disclosure are related to a method and a digital cash management system for managing digital cash in a digital wallet of a user device. In an embodiment, the user of the digital wallet can load a predefined amount of digital cash into the digital wallet. Each denomination of digital cash is mapped to a unique identification in the database. The method of the present disclosure comprises graphically representing the digital cash on user interface of the user device, wherein the digital cash appears to be similar to cash in physical wallet. The user can perform gestures to perform at least one of counting the digital cash represented in the digital wallet and transferring the digital cash in user selected denomination from the first account to a second account. In an embodiment, the transferring of the digital cash is represented on the user interface using animation.

No. of Pages: 41 No. of Claims: 22

(21) Application No.5155/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :15/10/2014 (43) Publication Date : 31/10/2014

# (54) Title of the invention : A MECHANISM FOR EXTRACTING FRUIT JUICE DIRECTLY FROM A FRUIT WITH IN A BOTTLE

(51) International classification	:a47j	(71)Name of Applicant:
(31) Priority Document No	:NA	1)OMPRAKASH MUTHYALA
(32) Priority Date	:NA	Address of Applicant :H.No:49-312/2, Balreddy Nagar,
(33) Name of priority country	:NA	Chintal, Quthbullapur, Ranga Reddy District-500054, Telangana,
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)OMPRAKASH MUTHYALA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(55) 41		1

#### (57) Abstract:

Exemplary embodiments of the present disclosure directed towards a mechanism for extracting fruit juice directly from a fruit with in a bottle. The mechanism includes a strainer affixed at a top end of a bottle body with external threading configured to separate the fruit pulp from the fruit juice through holes, a container coupled to a bottom end of a strainer configured to crush the fruits by screwing and unscrewing by the handgrip for producing fruit juice and mixing with the liquid, and a bottle head configured with a predetermined depth opening to drink the liquid in convenient way without spilling the liquid.

No. of Pages: 19 No. of Claims: 8

(21) Application No.5145/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :14/10/2014 (43) Publication Date : 31/10/2014

# (54) Title of the invention: HIGH LONGEVITY COATINGS AND ALTERNATE MATERIAL FOR EROSION ANDCORROSION RESISTANCE IN MINING PUMPS

(51) International classification :f04c (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	1)NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPALLI Address of Applicant :THUVAKUDI, TIRUCHIRAPPALLI - 620015, Tamil Nadu India 2)NEYVELI LIGNITE CORPORATION LTD., (72)Name of Inventor: 1)S.NATARAJAN 2)S.P.KUMARESH BABU 3)P. VEERABALU 4)M. KUMARASAMY
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#### (57) Abstract:

This invention relates to combat the phenomena of synergistic action of erosion corrosion in storm water control pumps exposed to adverse conditions in mines. Particularly this invention relates to a method to prevent erosion corrosion failures in low pressure and high-pressure areas and the loading cycle of the volute areas of pumps. The invention relates to alternate materials and method of coating WC-Co-Cr and Ni-Cr-B-Si to enhance the resistance and life of crucial components of storm water control pumps having higher surface asperities and higher thermal expansion co-efficient. The components now have an increased longevity to 980 1290 hours on exposure to pH of 1.5-3.5 in lignite mines.

No. of Pages: 30 No. of Claims: 24

(21) Application No.4430/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :10/09/2014 (43) Publication Date : 31/10/2014

# (54) Title of the invention: CRUSH RESISTANT REVERSE-TAPERED DISPOSABLE CONTAINERS

<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>	:b65d :NA :NA :NA	(71)Name of Applicant:  1)PALADHI DHANUNJAI  Address of Applicant: PLOT NO.B-20, IDA KUKATPALLY, GANDHI NAGAR, BALANAGAR, HYDERABAD-500037,
(86) International Application No	:NA	TELENGANA, INDIA.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PALADHI DHANUNJAI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Exemplary embodiments of the present disclosure are drawn to a disposable container that has an open end defined by a fortified rim and a tapered sidewall. The said sidewall is attached to the rim through a neck portion that is reverse tapered by an angle of 7-10 degrees. This embodiment maintains minimal deflection of the glass when a liquid is poured into it. The pleated sidewall addresses the issue of gripping and also enables efficient packaging of the containers. The structural rigidity of the container is enhanced by the circular incurvature of the base.

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

(21) Application No.5222/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :15/10/2014 (43) Publication Date : 31/10/2014

# (54) Title of the invention: ADAPTIVE AERODYNAMIC DEFLECTOR FOR WATER DRAIN FOR AUTOMOBILE

(51) International classification	·h60i	(71)Nome of Applicant
		(71)Name of Applicant:
(31) Priority Document No	:NA	1)Daimler AG
(32) Priority Date	:NA	Address of Applicant : Daimler AG 70546, Stuttgart, Germany
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)Marko FELDIC
Filing Date	:NA	2)Vinayakram RAJAGURU
(87) International Publication No	: NA	3)Bohm WOLFGANG
(61) Patent of Addition to Application Number	:NA	4)Sebastian
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The present invention provides a rainwater drain assembly for an automobile (A), wherein the rainwater drain assembly comprises a deflector mechanism with a set of aerodynamic deflectors mounted on a plastic trim(2)attached to an A-pillar (1) of the automobile (A). A drain channel drains water pushed by a wiper (4) towards sides of a windshield (3) of the automobile (A). The aerodynamic deflectors are configured to allow water flow entering the opening and block water flow leaving the opening.

No. of Pages: 21 No. of Claims: 9

(21) Application No.5164/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :16/10/2014 (43) Publication Date : 31/10/2014

# (54) Title of the invention : APPARATUS FOR THE GASIFICATION AND COMBUSTION OF BIO-FUELS AND THEIR METHODS THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> </ul>	:NA :NA :NA	(71)Name of Applicant:  1)Chef Kraft Private Limited  Address of Applicant: No-4, Kamaraj Colony, Chitlapakkam, Chennai- 600064, Tamil Nadu, India.
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor: 1)M.Venkatesan
(87) International Publication No	: NA	· ·
(61) Patent of Addition to Application Number	:NA	3)N.Shagul
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Apparatuses and methods for effective combustion and efficient use of fuel are disclosed. The invention is characterised by supply of air through a pre-determined size and number of apertures on the inner wall of the gasification and combustion zone in the apparatus disclosed here. One of the embodiment of the invention disclosed here is an advanced biomass gas reactor which works under diverse conditions with regards to feed, shape, size, moisture levels, bulk density and likewise. The gasification zone temperatures are maintained above 10000C and above to achieve a tar-free gas even with extreme conditions of feedstock properties. The invention will find use in multiple industries requiring heat.

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

(21) Application No.5165/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :16/10/2014 (43) Publication Date : 31/10/2014

# (54) Title of the invention: SYSTEM AND METHOD FOR DISTRIBUTED AUGMENTED REALITY

<ul><li>(51) International classification</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 :NA	(71)Name of Applicant:  1)WIPRO LIMITED  Address of Applicant: Doddakannelli, Sarjapur Road, Bangalore 560035, Karnataka, India.  (72)Name of Inventor:
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	1)RAGUPATHY JAYARAJ 2)MUKESH MANJUNATH PRABHU 3)BANSILAL BHASKARAN

### (57) Abstract:

Systems and methods for distributed augmented reality are described herein. In one example, the method comprises receiving at least one of source data and augmented reality (AR) data from at least one of data source, identifying objects of interest present in at least one of the source data and the AR data based on analysis of the at least one of the source data and the AR data, and generating enhanced AR data, based on the outcome of identification of at least one of the objects of interest and AR enhancement rules. The method further comprises modifying at least one of the source data and the AR data based on the generation and transmitting at least one of the modified source data and the modified AR data to at least one of the one or more clients systems.

No. of Pages: 47 No. of Claims: 16

(21) Application No.420/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :17/10/2013 (43) Publication Date : 31/10/2014

(54) Title of the invention: 'LIFTER BAR'

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:NA	1)TEGA NDUSTRIES LIMITED
(32) Priority Date	:NA	Address of Applicant :147, BLOCK-G, NEW ALIPORE,
(33) Name of priority country	:NA	KOLKATA-700 053, WEST BENGAL, INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MOHANKA MADAN MOHHAN
(87) International Publication No	:NA	2)GHOSH SOME NATH
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A treated lifter bar (1) for grinding mill is provided with a plurality of flexible treads (2) positioned over the core rubber matrix forming its main rubber surface. Treads (2) have a zig-zag configuration with higher rubber content in their wear zone to increase the surface area and reduce the wearing lifter bar (1). The treads (2) primarily absorb the impact force (3a) of slurry (4) and dissipate the heat generated due to impact. The slurry (4) is deposited on top of the treads (2) thus protecting the treads (2) from direct contact with the slurry (4) to ensure less wear. The zig-zag configuration of the top wearing treads (2) of the treaded lifter provides increased wear volume.

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

# **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.11222/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/12/2012

(43) Publication Date: 31/10/2014

### (54) Title of the invention: COMPOSITIONS COMPRISING EICOSAPENTAENOIC ACID SUITABLE FOR HIGH **PURIFICATION**

(51) International classification	:C12P7/64,C12R1/89	(71)Name of Applicant:
(31) Priority Document No	:586018	1)PHOTONZ CORPORATION LIMITED
(32) Priority Date	:09/06/2010	Address of Applicant :13 Bruce McLaren Road Henderson
(33) Name of priority country	:New Zealand	Waitakere 0612 New Zealand
(86) International Application No	:PCT/NZ2011/000100	(72)Name of Inventor:
Filing Date	:09/06/2011	1)GRIFFITHS Hywel David
(87) International Publication No	:WO 2011/155852	2)GEIRINGER Karl Thomas
(61) Patent of Addition to Application	:NA	3)DINES Mark Humphrey
Number	:NA	
Filing Date	.11/14	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Abstract :		•

The invention relates to a microbial biomass composition produced from a heterotrophic fermentation whose fatty acid profile exhibits: an eicosapentaenoic acid (EPA) to arachidonic acid (ARA) ratio of about 11:1 or more; an EPA to total co concentrating fatty acid ratio of about 8:1 or more extract compositions and methods of producing such compositions.

No. of Pages: 63 No. of Claims: 55

(22) Date of filing of Application :26/12/2012

(43) Publication Date: 31/10/2014

# (54) Title of the invention : TAILORED RECOMBINASE FOR RECOMBINING ASYMMETRIC TARGET SITES IN A PLURALITY OF RETROVIRUS STRAINS

(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 (27/05/2010 (27/05/2011 (27/05/	(71)Name of Applicant:  1)HEINRICH PETTE INSTITUT LEIBNIZ INSTITUT FR EXPERIMENTELLE VIROLOGIE STIFTUNG BRGERLICHEN RECHTS  Address of Applicant: Martinistrasse 52 20251 Hamburg Germany  2)MAX PLANCK GESELLSCHAFT ZUR F-RDERUNG DER WISSENSCHAFTEN E.V. (72)Name of Inventor:  1)HAUBER Joachim  2)CHEMNITZ Jan  3)BUCHHOLZ Frank  4)CHUSAINOW Janet
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# (57) Abstract:

The present invention relates to a method for preparing an expression vector encoding a tailored recombinase which tailored recombinase is capable of recombining asymmetric target sequences within the long terminal repeat (LTR) of proviral DNA of a plurality of retrovirus strains inserted into the genome of a host cell as well as to the obtained expression vector cells transfected with this expressed recombinase and pharmaceutical compositions comprising the expression vector cells and/or recombinase. Pharmaceutical compositions are useful e.g. in treatment and/or prevention of retrovirus infection. In particular asymmetric target sequences present in a plurality of HIV strains are disclosed as well as tailored recombinases capable of combining these sequences (Tre 3.0 and 4.0) and expression vectors encoding them.

No. of Pages: 121 No. of Claims: 17

(22) Date of filing of Application :26/12/2012 (43) Publication Date : 31/10/2014

# (54) Title of the invention: COMPOSITIONS AND METHODS FOR TREATING BRUISES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A01N43/04 :61/349335 :28/05/2010 :U.S.A. :PCT/US2011/026425 :28/02/2011 :WO 2011/149575 :NA :NA	(71)Name of Applicant:  1)NEXGEN DERMATOLOGICS INC.  Address of Applicant: 545 NE 19th Avenue Deerfield Beach FL 33441 U.S.A.  (72)Name of Inventor:  1)FEIN Howard  2)BERLIN Mindy B.
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#### (57) Abstract:

A composition for the treatment of bruising is disclosed. The composition can include an antioxidant one or more citrus flavanoids as active agents along with a pharmaceutically acceptable excipient or filler. The compositions are nutriceutical formulations having the capacity to reduce the number of bruises that occur over time and that reduce the healing time of bruises. The compositions are preferably in tablet form for oral consumption one or more times per day. A method of reducing bruising is also disclosed in which a patient in need of a treatment for bruising or at risk of developing bruises is identified. The composition can then be administered orally to the patient.

No. of Pages: 22 No. of Claims: 38

(21) Application No.11229/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/12/2012 (43) Publication Date : 31/10/2014

# (54) Title of the invention: HYDROPHILIC GELS FROM POLYURETHANE BASED PHOTOINITIATORS

(51) International classification	n:C08F2/50,C08G18/48,C08G18/72	(71)Name of Applicant:
(31) Priority Document No	:PA 2010 70282	1)COLOPLAST A/S
(32) Priority Date	:22/06/2010	Address of Applicant :Holtedam 1 DK 3050 Humlebaek
(33) Name of priority country	:Denmark	Denmark
(86) International Application No Filing Date	:PCT/DK2011/050229 :22/06/2011	<ul><li>(72)Name of Inventor:</li><li>1)NIELSEN Christian B.</li><li>2)MADSEN Niels Joergen</li></ul>
(87) International Publication No	:WO 2011/160641	
(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 the use of polymeric photoinitiators based on polyalkyletherurethane backbones in the production of hydrophilic gels in particular hydrogels. The invention relates to methods for manufacturing hydrophilic gels using said polymeric photoinitiators and the hydrophilic gels thus obtained.

No. of Pages: 40 No. of Claims: 33

(22) Date of filing of Application :26/12/2012

(43) Publication Date: 31/10/2014

# (54) Title of the invention: THIN PLATE FOR A LINING OF A MOULD INTENDED FOR VULCANIZING A TYRE TREAD

### (57) Abstract:

The invention relates to a thin plate for a lining (27) of a mould (25) intended for vulcanizing a tyre tread said plate (1) being manufactured by selective laser melting. The plate comprises an anchoring part (3) designed to anchor the plate (1) in the body of the lining and a moulding part (5) designed to mould at least one cut in the tyre tread. The thin plate (1) further includes reinforcing means (9a 9b 9c) entirely present in the anchoring part (3) of said plate.

No. of Pages: 23 No. of Claims: 8

(19) INDIA

(22) Date of filing of Application :31/12/2012

(21) Application No.11402/DELNP/2012 A

(43) Publication Date: 31/10/2014

### (54) Title of the invention: COMMUNICATION CONTROL DEVICE COMMUNICATION CONTROL METHOD COMMUNICATION SYSTEM AND COMMUNICATION DEVICE

(51) International classification :H04W16/14,H04W28/16 (71)Name of Applicant : (31) Priority Document No :2010155117 (32) Priority Date :07/07/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/063659 Filing Date :15/06/2011

(87) International Publication No :WO 2012/005093

(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 1080075

(72)Name of Inventor: 1)SAWAI Ryo

#### (57) Abstract:

To support the sharing of communication resources among a plurality of secondary communication services. The disclosed communication control device is for controlling communications carried out by a plurality of secondary use nodes that each provide secondary communication services by using a portion of a frequency band assigned to a primary communication service the communication control device including: a communication section that receives from each secondary use node access scheme information that indicates wireless access schemes that can be used by each said secondary use node; a storage section that stores the access scheme information received by the communication section; and a control section that in cases where the service area of a first secondary communication service includes at least a portion of the service area of a second secondary communication service determines whether or not at least a portion of communication resources can be shared between the first secondary communication service and the second secondary communication service on the basis of the wireless access schemes of the first and second secondary communication services as indicated by the access scheme information.

No. of Pages: 62 No. of Claims: 14

(21) Application No.11416/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/12/2012 (43) Publication Date : 31/10/2014

# (54) Title of the invention : A CAPSULE FOR PREPARATION OF A FOOD PRODUCT FROM A FOOD PREPARATION 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</li> </ul>	:25/10/2010 :WO 2012/003891 :NA :NA	(71)Name of Applicant:  1)NESTEC S.A. Address of Applicant: Av. Nestl 55 CH 1800 Vevey Switzerland (72)Name of Inventor: 1)DOLEAC Frdric 2)RAEDERER Marc
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

The present invention is directed to a capsule (1) for use with a capsule holder (6) of a food preparation machine wherein: said machine comprises a needle (9) supported by a plate for injection of a jet of fluid inside the capsule said needle being adapted in shape and size to protrude inside the capsule when said capsule holder is inserted into the machine in order for operation and said capsule comprises a body with side (2) bottom (4) and top walls (3) said capsule further comprising a top circumferential edge (8) the interface between the needle plate the capsule holder and the capsule edge being leaktight said top wall being sealed onto said circumferential edges and comprises built in showering means (10) comprising at least one opening so as to accommodate the needle without piercing and transform the jet of fluid from said needle into at least one jet directed towards the inside of the capsule chamber.

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

(21) Application No.11417/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/12/2012 (43) Publication Date: 31/10/2014

#### (54) Title of the invention: CAPSULE SENSING SYSTEM

(51) International :A47J31/44,A47J31/52,B65D85/804 classification

(31) Priority Document No :10167463.8 (32) Priority Date :28/06/2010

(33) Name of priority country: EPO

(86) International Application: PCT/EP2011/060544

:23/06/2011 Filing Date

(87) International Publication :WO 2012/000878

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)NESTEC S.A.

Address of Applicant : Av. Nestl 55 CH 1800 Vevey

Switzerland

(72)Name of Inventor:

1)PERENTES Alexandre

2)YOAKIM Alfred

3)AIT BOUZIAD Youcef

#### (57) Abstract:

A brewing unit (1) of a beverage preparation machine has: a seat (11) for receiving a capsule (2) comprising an electrically conductive material (21 22 23 24); and a capsule sensing electric circuit with first and second electric connectors (A B). The first electric connector (A) and the second electric connector (B) are electrically connected through the electrically conductive material of the capsule (2) when the capsule is present in the seat (11) and electrically disconnected when the capsule is not in the seat so as to close and interrupt respectively the capsule sensing electric circuit (A Aa a B Bb b abc).

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

(21) Application No.11418/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/12/2012 (43) Publication Date: 31/10/2014

(54) Title of the invention: METHOD FOR PRODUCING A BEVERAGE INGREDIENT CAPSULE FOR THE PREPARATION OF A BEVERAGE AND APPARATUS

(51) International :B65B29/02,B65B61/20,B65B63/02

classification (31) Priority Document No :10168672.3

(32) Priority Date :07/07/2010

(33) Name of priority country: EPO

(86) International Application :PCT/EP2011/060531

No :23/06/2011 Filing Date

(87) International Publication :WO 2012/004133

(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)NESTEC S.A.

Address of Applicant : Av. Nestl 55 CH 1800 Vevey

Switzerland

(72)Name of Inventor: 1)KOLLEP Alexandre 2) COLLET Guylann

#### (57) Abstract:

Method for producing a beverage ingredient capsule (1) for the preparation of a beverage; the method comprising the steps of: providing a mould cavity (12) at least partially filling a mould cavity with the beverage ingredient in powdered or particulate form compacting the powdered or particulate beverage ingredient in the mould cavity to obtain a compacted mass of the beverage ingredient forming at least one recess (21) in the compacted mass and inserting a capsule identification insert (9) into the said recess.

No. of Pages: 29 No. of Claims: 16

(21) Application No.11220/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/12/2012

(43) Publication Date: 31/10/2014

(54) Title of the invention: SOLID COMPOSITIONS

(71)Name of Applicant:

1)ABBVIE INC.

Address of Applicant: 1 NORTH WAUKEGAN ROAD,

NORTH CHICAGO, IL 60064, USA U.S.A.

(51) International classification :A61K9/14,A61K9/16,A61K9/20

(31) Priority Document No :61/353553 (32) Priority Date :10/06/2010 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2011/039769 No

:09/06/2011 Filing Date

(87) International Publication No:WO 2011/156578

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

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

(72)Name of Inventor:

1)LIEPOLD Bernd 2)JUNG Tina

3)HOLIG Peter

4)SCHROEDER Rudolf 5)SEVER Nancy E. 6)LAFOUNTAINE Justin 7)SINCLAIR Brent D.

8)GAO Yi 9)WU Jianwei

10) ERICKSON Bryan K. 11)KULLMANN Simon 12)WESTEDT Ulrich 13)PAULI Mirko 14) HEITERMANN Tanja

15)KOENIG Renato 16)THIEL Madlen 17)WOEHRLE Gerd

#### (57) Abstract:

The present invention features solid compositions comprising Compound I I I or I or a pharmaceutically acceptable salt thereof in an amorphous form. In one embodiment Compound I I I or I or a pharmaceutically acceptable salt thereof is formulated in an amorphous solid dispersion which comprises a pharmaceutically acceptable hydrophilic polymer and preferably a pharmaceutically acceptable surfactant.

No. of Pages: 38 No. of Claims: 23

(21) Application No.11221/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/12/2012 (43) Publication Date : 31/10/2014

### (54) Title of the invention: SOLID DISPERSIONS CONTAINING KINASE INHIBITORS

(51) International (71)Name of Applicant: :A61K9/14,A61K9/16,A61K31/4743 classification 1)ABBVIE INC. (31) Priority Document No Address of Applicant: 1 North Waukegan Road North Chicago :61/352862 (32) Priority Date :09/06/2010 IL 60064 U.S.A. (33) Name of priority (72)Name of Inventor: :U.S.A. 1)MILLER Jonathan country (86) International 2)GOKHALE Rajeev :PCT/US2011/039430 Application No 3)SCHMITT Eric A. :07/06/2011 Filing Date 4)GAO Yi (87) International 5)LAFOUNTAINE Justin :WO 2011/156361 Publication No 6)DIAS Lloyd (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

#### (57) Abstract:

A solid dispersion comprises in essentially non crystalline form a kinase inhibitory compound e.g. N (4 {4 amino 7 [1 (2 hydroxyethyl) 1H pyrazol 4 yl]thieno[3 2 c]pyridin 3 yl}phenyl) N (3 fluorophenyl)urea dispersed in a solid matrix that comprises (a) a pharmaceutically acceptable water soluble polymeric carrier and (b) a pharmaceutically acceptable surfactant. A process for preparing such a solid dispersion comprises dissolving the compound the polymeric carrier and the surfactant in a suitable solvent and removing the solvent to provide a solid matrix comprising the polymeric carrier and the surfactant and having the compound dispersed in essentially non crystalline form therein. The solid dispersion is suitable for oral administration to a subject in need thereof for treatment of a cancer.

No. of Pages: 33 No. of Claims: 24

(21) Application No.1867/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :01/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: HEAD RESTRAINT WITH TWO WING ELEMENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B60N2/48 :10 2010 044 246.1 :02/09/2010 :Germany :PCT/EP2011/004316 :29/08/2011 :WO 2012/028284 :NA :NA :NA	(71)Name of Applicant:  1)JOHNSON CONTROLS GMBH  Address of Applicant : Industriestrae 20 30 51399 Burscheid Germany (72)Name of Inventor:  1)NAVARRO Daniel 2)BRAUN Robert 3)DILLINGER Thomas
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#### (57) Abstract:

The invention relates to a head restraint (1) comprising a base element (2) on which two wing elements (3) are mounted by means of at least one hinge (4) so as to rotate about a vertical axis (12) the hinge (4) having a plug part (3.3) and a recess (4.1) which are frustoconical (3.3 4.1) the support structure (3.1 3.2) of each wing element (3) being in two parts.

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

(22) Date of filing of Application :01/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: SYSTEM AND METHOD FOR PRESENTATION CREATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:G06F3/00 :61/379236 :01/09/2010 :U.S.A. :PCT/US2011/050274 :01/09/2011 :WO 2012/031167 :NA :NA	(71)Name of Applicant: 1)PILOT.IS LLC Address of Applicant: 488 MADISON AVENUE, NEW YORK, NY 10022, U.S.A. (72)Name of Inventor: 1)LEE David 2)KIEF Christopher
(61) Patent of Addition to Application Number	:NA	2)KIEF CHIStopher
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A system and method are provided for a network based content management system for providing a creative storytelling platform. Such platform may provide for information to be shared via slides. For example such slides can be an image text text with an image text with a background image an RSS feed a feed from a blog a feed from a Twitter stream a video etc. The slides can be grouped together and nested below or above one or more slides. The slide can be associated in a hierarchy which extends horizontally and vertically. Embodiments of the present invention provide for the hierarchical set of slides to be navigated by a user via a keyboard touchscreen or other communication means. The views of the slides can be changed e.g. from filmstrip to grid view to single slide full screen views. One or more slides and/or sets of slides can be password protected.

No. of Pages: 60 No. of Claims: 16

(22) Date of filing of Application :01/03/2013 (43) Publication Date: 31/10/2014

#### (54) Title of the invention: PROCESS FOR SEALING A GLASS PACKAGE AND RESULTING GLASS PACKAGE

(51) International classification :H01G9/20,C03C3/11,C03C4/08 (71)Name of Applicant :

(31) Priority Document No :61/379874 (32) Priority Date :03/09/2010

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

(86) International Application No:PCT/US2011/049912

Filing Date :31/08/2011

(87) International Publication No :WO 2012/030925

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

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

(57) Abstract:

1)CORNING INCORPORATED

Address of Applicant :1 Riverfront Plaza Corning New York

14831 U.S.A.

(72)Name of Inventor: 1)LOGUNOV Stephan L 2)PRASSAS Michel

A method is provided for sealing one or more fill holes (42 44) in a glass plate (14) of an organic dye solar cell and other glass packages by covering the hole(s) (42 44) with a laser absorbing glass patch (52 54). The outer perimeter of the glass patch (52 54) is melted with a laser such that the outer perimeter of the glass patch (52 54) is hermetically sealed to the glass plate (14). Another method is provided in which the fill holes (42 44) are covered with a glass patch (52 54) having a loop of absorbing frit around the outer periphery thereof. The loop of frit is melted with a laser such that the outer perimeter of the glass patch (52 54) is hermetically sealed to the glass plate (14). In both process the laser beam is either (1) formed into a loop shape beam around the perimeter of the glass patch (52 54) or (2) quickly travels around the perimeter of the glass patch (52 54) in such a manner that the loop of frit or the entire perimeter of the absorbing glass patch (52 54) is uniformly heated to substantially the same temperature to minimize thermal stresses crated during heating and sealing.

No. of Pages: 29 No. of Claims: 17

(21) Application No.11256/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/12/2012 (43) Publication Date: 31/10/2014

# (54) Title of the invention: METHODS OF TREATMENT USING TLR7 AND/OR TLR9 INHIBITORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K48/00 :61/355547 :16/06/2010 :U.S.A. :PCT/US2011/040788 :16/06/2011 :WO 2011/159958 :NA :NA	(71)Name of Applicant:  1)DYNAVAX TECHNOLOGIES CORPORATION Address of Applicant: 2929 Seventh Street Suite 100 Berkeley CA 94710 U.S.A. (72)Name of Inventor: 1)BARRAT Franck 2)COFFMAN Robert L. 3)GUIDUCCI Cristiana
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#### (57) Abstract:

The application relates to compositions and methods of regulating an immune response comprising inhibitors of TLR7 and/or TLR9 such as immunoregulatory polynucleotides and/or immunoregulatory compounds. The application also relates to compositions and methods for predicting and/or determining responsiveness of a disease to treatment comprising inhibitors of TLR7 and/or TLR9.

No. of Pages: 226 No. of Claims: 30

(22) Date of filing of Application :26/12/2012 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: ANTIBODIES TO THE C3D FRAGMENT OF COMPLEMENT COMPONENT 3

(51) International classification :A61K39/395,C0 (31) Priority Document No :61/357499 (32) Priority Date :22/06/2010 (33) Name of priority country :U.S.A.

(86) International Application No
Filing Date

PCT/US2011/041517

:22/06/2011

:NA

(87) International Publication No :WO 2011/163412

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

:A61K39/395,C07K16/28 (71)**Name of Applicant :** 

1)THE REGENTS OF THE UNIVERSITY OF COLORADO A BODY CORPORATE

Address of Applicant: 1800 Grant Street 8th Floor Denver CO

80203 U.S.A.

(72)Name of Inventor:
1)HOLERS V. Michael
2)THURMAN Joshua M.

3)KULIK Liudmila

(57) Abstract:

Filing Date

The present invention relates to methods and materials for modulating the complement alternative pathway (CAP) the complement classical pathway (CCP) the complement lectin/mannose pathway (CMP) or combinations thereof as well as methods and materials for targeting diagnostic prophylactic and therapeutic agents to localized areas of tissue within the body where they may more directly exert their effects upon the intended target cells or tissue with reduced associated systemic effects compared with administration of the same or similar agents in an untargeted systemic manner. The methods and materials of the present invention may therefore allow for increased efficacy lower threshold effective dosages and/or lower effective maintenance doses and/or reduced associated undesired or adverse effects in terms of frequency or severity of occurrence or both. The present invention also relates to methods and materials for modulating a host humoral immune response especially reducing inhibiting or preventing a host humoral immune response.

No. of Pages: 179 No. of Claims: 85

(21) Application No.11259/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :27/12/2012 (43) Publication Date : 31/10/2014

# (54) Title of the invention: WORK 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 Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:F16B :2010-139087 :18/06/2010 :Japan :PCT/JP2011/063277 :09/06/2011 : NA :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 (72)Name of Inventor: 1)HYODO Koji 2)CHOUNAN Kazuo 3)TANAKA Tetsuji
e e e e e e e e e e e e e e e e e e e	:NA :NA	

#### (57) Abstract:

According to the present invention a work machine includes: an engine; a radiator for cooling a cooling water of the engine; a thermostat provided upon a path that conducts the cooling water to the radiator and that opens and closes the path between fully closed and fully open according to a temperature of the cooling water; a fan device that blows external air at the radiator; an output changeover switch that changes over output of the engine between high and low; a rotational speed setting unit that sets a rotational speed for the fan device according to the temperature of the cooling water; and a rotational speed adjustment unit that adjusts rotational speed of the fan device so that it becomes equal to the rotational speed set by the rotational speed setting unit wherein: within a temperature range for the cooling water in which the thermostat is fully..

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

(19) INDIA

(22) Date of filing of Application :01/03/2013

(21) Application No.1897/DELNP/2013 A

(43) Publication Date: 31/10/2014

### (54) Title of the invention: INTEGRATED PROCESS TO COPRODUCE TRANS 1 CHLORO 3 3 3 TRIFLUOROPROPENE TRANS 1 3 3 3 TETRAFLUOROPROPENE AND 1 1 1 3 3 PENTAFLUOROPROPANE

:C07C17/20,C07C17/23,C07C21/18 (71)Name of Applicant : (51) International

classification

(31) Priority Document No :61/379745 :03/09/2010 (32) Priority Date (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2011/049665

No :30/08/2011 Filing Date

(87) International Publication :WO 2012/030781

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

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

Number Filing Date

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2245 U.S.A. (72)Name of Inventor:

1)POKROVSKI Konstantin A.

2)MERKEL Daniel C.

3)WANG Haiyou

#### (57) Abstract:

Disclosed is an integrated manufacturing process to co produce (E)1 chloro 3 3 3 trifluoropropene (E)1 3 3 3 tetrafluoropropene and 1 1 1 3 3 pentafluoro propane starting from a single chlorinated hydrocarbon feed stock 240fa. The process includes a combined liquid or vapor phase reaction/purification operation which directly produces (E)1 chloro 3 3 3 trifluoropropene (1233zd(E)) from 240fa. In the second liquid phase fluorination reactor 1233zd(E) is contacted with HF in the presence of catalyst to produce 1 1 1 3 3 pentafluoropropane (245fa) with high conversion and selectivity. A third reactor is used for dehydrofluorination of 245fa to produce (E) 1 3 3 3 tetrafluoropropene (1234ze(E)) by contacting in the liquid phase with a caustic solution or in the vapor phase using a dehydrofluorination catalyst. This operation may be followed by one or more purification processes to recover the 1234ze(E) product.

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

(21) Application No.11419/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/12/2012

(43) Publication Date: 31/10/2014

# (54) Title of the invention : A CAPSULE HOLDER OR AN ADAPTER FOR ADAPTING A CAPSULE IN A CAPSULE HOLDER IN A BEVERAGE PREPARATION 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> </ul>	:20/07/2011 :WO 2012/010630 :NA	(71)Name of Applicant:  1)NESTEC S.A.  Address of Applicant: Av. Nestl 55 CH 1800 Vevey Switzerland (72)Name of Inventor:  1)DOGAN Nihan 2)DOLEAC Frdric 3)HENTZEL Stphane 4)PLEISCH HansPeter
· /	:NA :NA	'
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to a capsule holder (10) or an adapting device (17) for adapting a capsule (1) into a capsule holder (10) the capsule (1) being designed for delivering a food product by injection of a fluid under pressure into the capsule said capsule comprising a chamber (3) defined by capsule side walls (4) a flexible bottom wall (5) comprising at least one dispensing opening (9) and a top wall (6) said chamber containing at least one ingredient to be dissolved and/or extracted by said injection fluid wherein said capsule holder (10) or adapting device (17) comprises a pressure retaining element (11) disposed in the vicinity of the bottom wall (5) which comprises at least one protrusion (12) in correspondence to said at least one dispensing opening (9) so that said protrusion (12) is disposed into the corresponding opening (9) and restricts its diameter at the time injection fluid inside the capsule chamber moves said membrane towards said pressure retaining means.

No. of Pages: 16 No. of Claims: 5

(21) Application No.1895/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :01/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: BAND CLIP

(51) International classification :H02G3/30,F16B2/08,F16B19/00 (71) Name of Applicant:

(31) Priority Document No :2010240046 (32) Priority Date :26/10/2010

(33) Name of priority country :Japan

(86) International Application :PCT/JP2011/057659

:28/03/2011 Filing Date

(87) International Publication :WO 2012/056747

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date

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

1)SUMITOMO WIRING SYSTEMS LTD.

Address of Applicant: 1 14 Nishisuehiro cho Yokkaichi shi

Mie 5108503 Japan (72)Name of Inventor: 1)TANAKA Hiroaki

(57) Abstract:

A band clip configured m such a manner that the height of the body, to which a band wrapped around a group of wires of a wire harness is fastened, is reduced. A band clip is provided with a body, a band which is integrally formed with the body so as to extend therefiOm, and a clip which is movably attached to the body and is caused to protrude from the outer surface of the body. The body has an L-shape formed by bending a vertical plate section, in which a band insertion hole is provided, at one end of a horizontal plate section which has a clip mounting hole provided at the center thereoi. The band is extended from the protrusion end of the vertical plate section. Engagement holes are provided in the band at intervals in the longitudinal direction thereoi. The clip is provided with a shaft section which is movably inserted into the clip mounting hole in the body, wing sections which are provided to one end side of the shaft section, band engagement claws which protrude from the outer peripheral surface of the other end of the shaft section, and body engagement claws which protrude from the outer peripheral surface of the intermediate section of the shaft section. The clip is pressed while the band wrapped around a group of wires is inserted through the band insertion hole. As a result, the band engagement claws are inserted and engaged with an engagement hole in the band and, at this position of the clip, the body engagement claws are in contact with the surface of the body.

No. of Pages: 20 No. of Claims: 3

(22) Date of filing of Application :01/03/2013

(21) Application No.1896/DELNP/2013 A

(43) Publication Date: 31/10/2014

### (54) Title of the invention: CONTINUOUS LOW TEMPERATURE PROCESS TO PRODUCE TRANS 1 CHLORO 3 3 3 TRIFLUOROPROPENE

(51) International

:C07C17/20,C07C17/38,C07C21/18

classification (31) Priority Document No

(19) INDIA

:61/379743

(32) Priority Date

:03/09/2010

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

(86) International Application :PCT/US2011/049689

No Filing Date

:30/08/2011

(87) International Publication :WO 2012/030797

(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)HONEYWELL INTERNATIONAL INC.

Address of Applicant :Patent Services M/S AB/2B 101 Columbia Road P. O. Box 2245 Morristown New Jersey 07962

2245 U.S.A.

(72)Name of Inventor:

1)POKROVSKI Konstantin A.

2)MERKEL Daniel C.

3)TUNG Hsueh Sung

#### (57) Abstract:

Disclosed is process for the production of (E) 1 chloro 3 3 3 trifluoropropene (HCFO 1233zd(E)) by conducting a continuous reaction without the use of a catalyst. Also disclosed is an integrated system for producing hydrofluoro olefins particularly 1233zd(E). The manufacturing process includes six major unit operations: (1) a fluorination reaction of HCC 240fa (in continuous or semi batch mode) using HF with simultaneous removal of by product HC1 and the product 1233zd(E); (2) recycle of unreacted HCC 240fa and HF together with under fluorinated by products back to (1); (3) separation and purification of by product HC1; (4) separation of excess HF back to (1); (5) purification of final product 1233zd(E); and (6) isomerization of by product 1233zd(Z) to 1233zd(E) to maximize the process yield.

No. of Pages: 50 No. of Claims: 10

(21) Application No.11311/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :28/12/2012

(43) Publication Date: 31/10/2014

# (54) Title of the invention: COFFEE MAKER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:01/06/2011 :WO 2011/153272 :NA	(71)Name of Applicant:  1)LOEBL Oded Address of Applicant:54 Mann Avenue Newton MA 02492 U.S.A. (72)Name of Inventor: 1)LOEBL Oded
(61) Patent of Addition to Application		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Methods and apparatus for a coffer maker. A beverage preparation apparatus includes a coffee link chamber for receiving coffee grounds and water a coffee receiving chamber for receiving prepared coffee the heating source operative check heat for coffee brewing chamber at least one biasing element formed of a shape memory materials and at least one piston element couples to the biasing element whereby when the coffee brewing chamber reaches a transition temperature of the shape memory material a biasing element deforms releasing a spring force urging the piston element into the coffee brewing chamber to decrease the volume and increase the pressure within the coffee brewing chamber and forcing heated water through the coffee grounds through a filter and into a coffee collection container situated in the coffee receiving chamber.

No. of Pages: 32 No. of Claims: 25

(22) Date of filing of Application :28/12/2012 (43) Publication Date : 31/10/2014

# (54) Title of the invention : FILAMENTS COMPRISING AN ACTIVE AGENT NONWOVEN WEBS AND METHODS FOR MAKING SAME

		(71)Name of Applicant :
		1)THE PROCTER & GAMBLE COMPANY
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:D01F1/10,C11D17/04 :61/361129 :02/07/2010 :U.S.A. :PCT/US2011/042599 :30/06/2011 :WO 2012/003319 :NA :NA	Address of Applicant One Procter & Gamble Plaza Cincinnati

## (57) Abstract:

Filaments that contain a filament forming material and an additive nonwoven webs and methods for making such filaments are provided. The level of one or more additives in the filament is greater than 35% weight on a dry basis.

(21) Application No.1905/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :01/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: CANCER PHOSPHOLIPIDOME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:23/09/2011 :WO 2012/038525 :NA :NA	(71)Name of Applicant:  1)KATHOLIEKE UNIVERSITEIT LEUVEN Address of Applicant: KULeuven R&D Waaistraat 6 box 5105 B 3000 Leuven Belgium (72)Name of Inventor: 1)SWINNEN Johannes Victor Maria 2)MACHIELS Jelle 3)MARIEN Eyra Marie Jeanne Edel Leopold 4)BAGADI Muralidhara Rao
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	7,

## (57) Abstract:

In general the present invention relates to identification of lipidome biomarkers for cancer analysis and it provides prognostic and predictive methods and kits for cancer diagnosis and subtyping and for diagnosing and/or predicting the evolution of a tumor and its response to lipid metabolism targeted or other types of therapy in a subject by making use of phospholipid (PL) profiling wherein changes in the combined acyl chain length of intact body fluid derived or tumor derived phospholipid species is indicative of an elongation phenotype.

(22) Date of filing of Application :01/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: SYSTEM FOR PRODUCING ENERGY THROUGH THE ACTION OF WAVES

<ul> <li>(51) International classification</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>	:F03B13/20 :12/850371 :04/08/2010 :U.S.A.	(71)Name of Applicant: 1)GWAVE LLC Address of Applicant: 71 Stevens Road Hanover NH 03755 U.S.A. (72)Name of Inventor:
(33) Name of priority country	:U.S.A.	U.S.A.
Filing Date	:03/08/2011	1)BEANE Glenn L.
(87) International Publication No (61) Patent of Addition to Application Number	:WO 2012/018393 :NA	
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A system and method for generating energy from tuning the natural frequency of masses relative to a ground plane and an external force. In some embodiments the external force is the action of the waves. The system has a first mass movable relative to the ground plane wherein the external force induces an oscillation in the first mass relative to the ground plane. A second movable mass is carried by and movable relative to the first movable mass. The second movable mass creates kinetic energy as the result of varying the position of the second movable mass relative to the first mass. The system adjusts or tunes the frequency of various components in relation to the natural frequency of the waves. The energy created by the relative motion can be converted to various forms of energy including electrical energy.

(21) Application No.1907/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :01/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: A RUBBER REMOVAL MACHINE

(51) International classification	:B23P19/08,B25B27/00	(71)Name of Applicant:
(31) Priority Document No	:2010/07571	1)AYGAZ ANONIM SIRKETI
(32) Priority Date	:15/09/2010	Address of Applicant :Buyukdere Caddesi 145/1 Aygaz Han
(33) Name of priority country	:Turkey	Zincirlikuyu Istanbul Turkey
(86) International Application No	:PCT/IB2011/053983	(72)Name of Inventor:
Filing Date	:12/09/2011	1)ISBILEN Emrah
(87) International Publication No	:WO 2012/035486	2)YAMAN Burak
(61) Patent of Addition to Application	:NA	3)UGUR Rahmi
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to a rubber removal machine (1) that enables to remove the gland rubber (R) which is located on the mini valves (V) in LPG gas cylinders and provides sealing when the regulator is installed from the valve (V) in a short period of time. By means of the inventive rubber removal machine (1) the gland rubber (R) located in the cylinder valve (V) is enabled to be automatically removed. Upon removing and replacing the gland rubber (R) at each filling process of the gas cylinders the gas leakages that might result due to wearing out of the gland rubbers (R) are prevented and thus the gas cylinders that are used become more reliable.

(22) Date of filing of Application :28/12/2012

(43) Publication Date: 31/10/2014

# (54) Title of the invention : S1 HANDOVER METHOD DATA FORWARDING METHOD IN S1 HANDOVER AND MOBILE 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 Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:29/09/2010 : NA :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)WANG Dafei
Filing Date	:NA	

#### (57) Abstract:

The disclosure discloses an S1 handover method, a data forwarding method in S1 handover, and a mobile communication system. In the solution of the disclosure, the source side mobility management entity receives a handover request and sends a message to stop data sending to the source side service gateway; the source side service gateway stops sending data to the source side eNB after receiving the message to stop data sending, and caches the data; the source side mobility management entity configures a forward tunnel between the target side service gateway and the source side service gateway after receiving a Forward Relocation Response; and the source side service gateway forwards the cached data to the target side eNB via the forward tunnel and the target side service gateway. In the solution of the disclosure, the process of re-forwarding, by the source side eNB, data to the source side service gateway is omitted, thereby the resources for establishing and releasing a forward tunnel between the source side eNB and the source side service gateway are saved, hence data forwarding efficiency is increased.

(22) Date of filing of Application :28/12/2012

(43) Publication Date: 31/10/2014

# (54) Title of the invention : QUICK POSITIONING METHOD AND DEVICE FOR MULTIPLE CYCLES AND MULTIPLE USERS

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:18/11/2010 : NA :NA :NA :NA	Address of Applicant :ZTE Plaza Keji Road South Hi-Tech Industrial Park Nanshan Shenzhen Guangdong 518057 China (72)Name of Inventor :  1)SONG Na 2)LI Jun 3)DUAN Qing 4)WANG Jian
Filing Date	:NA	

#### (57) Abstract:

The disclosure provides a quick positioning method and device for multiple cycles and multiple users, and the method includes: a processing index is created for each attribute of a user in a base station, wherein same attributes with the same transmission cycles and the same transmission offsets share one processing index; when a user accesses the base station, the user is mounted into a corresponding processing index according to an attribute of the user, a transmission cycle of the attribute, and a transmission offset of the attribute; and by inquiring a processing index corresponding to the current time point, the base station demodulates the attribute of the user mounted in said processing index. With the disclosure, a target can be hit promptly, processing time is saved, processing efficiency is improved, and the processing time delay of the whole link is reduced.

(22) Date of filing of Application :31/12/2012 (43) Publication Date : 31/10/2014

# (54) Title of the invention: INTERVENTION MEDICAL DEVICE AND PREPARATION 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> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61B :201010201511.1 :13/06/2010 :China :PCT/CN2011/075648 :13/06/2011 : NA :NA :NA :NA	(71)Name of Applicant:  1)MICROPORT MEDICAL (SHANGHAI) CO. LTD. Address of Applicant:501 Newton Rd. ZJ Hi-Tech Park Pudong New District Shanghai 201203 China (72)Name of Inventor: 1)LI Junfei 2)HU Xi 3)LE Chengjun 4)WANG Dawei 5)HUANG Peng 6)TANG Zhirong 7)LUO Qiyi 8)CHANG Zhaohua
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#### (57) Abstract:

The present invention discloses an interventional medical device and methods of making the same. At least one coating layer is disposed on the outer surface of the interventional medical device and the material of the outmost layer of the coating layer is a sulfonate group-containing polymer. In the present invention the material of the outmost layer of the interventional medical device is a sulfonate group-containing polymer. The polymer is endowed with a same surface property as that of heparin in addition to appropriate hydrophilicity due to the presence of the sulfonate group. After the interventional medical device is implanted into the human body a hydrophilic surface is formed on the outer surface of the interventional medical device which is also negatively charged in the body fluid. Therefore ........

(21) Application No.1921/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: INDUCTIVE POWER RECEIVER 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> </ul>	:H02J7/00 :PCT/NZ2010/000160 :06/08/2010 :New Zealand :PCT/NZ2011/000154 :05/08/2011 :WO 2012/018269 :NA	(71)Name of Applicant:  1)AUCKLAND UNISERVICES LIMITED  Address of Applicant: Level 10 70 Symonds Street Auckland 1010 New Zealand (72)Name of Inventor:  1)COVIC Grant Anthony 2)BUDHIA Mickel Bipin
		2)BUDHIA Mickel Bipin
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

A magnetic flux pad (BPP) is provided for receiving magnetic flux. The pad may be used with an inductive power transfer system and comprises a magnetically permeable core (4) and two substantially flat overlapping coils (2 3) magnetically associated with the core (4).

(22) Date of filing of Application :01/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: MACHINING SYSTEMS AND METHODS

(51) International classification :B23H5/04,B23H9/00,B23H9/10

(31) Priority Document No :201010282608.X (32) Priority Date :14/09/2010

(33) Name of priority country :China

(86) International Application No:PCT/US2011/051392

Filing Date :13/09/2011 (87) International Publication No :WO 2012/037121

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

(62) Divisional to Application Number :NA

Filing Date

(71)Name of Applicant:

1)GENERAL ELECTRIC COMPANY

Address of Applicant: 1 River Road Schenectady NY 12345

U.S.A.

(72)Name of Inventor:

1)ZHAN Yimin 2)PENG Zhixue 3)GUO Yuanyuan 4)YUAN Renewi 5)ARCIONI Massimo

6)LI Hongtao

7)NELSON Garth M. 8)LUO Yuanfeng

9)CHIARI Francescosaverio

#### (57) Abstract:

A machining system for machining a workpiece is provided. The machining system comprises a machine tool a plurality of cutting tools a CNC controller. The plurality of tools comprises an electrode and a conventional cutting tool exchangeably disposed on the machine tool. The machining system further comprises a power supply a process controller and an electrolyte supply. Wherein the machine tool the electrode the CNC controller the power supply the process controller and the electrolyte supply are configured to cooperate to function as an electroerosion machining device; and the machine tool the CNC controller the conventional cutting tool and the electrolyte supply are configured to cooperate to function as a conventional machining device and wherein the machining system is configured to function alternately as the electroerosion machining device and the conventional machining device. A method for making a machined workpiece comprising one or more conduits is also presented.

(21) Application No.1878/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :01/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: AUTOMATIC TRAFFIC GENERATION FOR A FARING SYSTEM

(51) International :G06Q10/00,G06F11/34,H04L29/08 classification

(31) Priority Document No :10305855.8 (32) Priority Date :02/08/2010

(33) Name of priority country: EPO

(86) International Application :PCT/EP2011/061459

:07/07/2011 Filing Date

(87) International Publication :WO 2012/016782

No

(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)AMADEUS s.a.s.

Address of Applicant :485 route du Pin Montard SOPHIA

ANTIPOLIS F 06410 Biot France

(72)Name of Inventor:

1)DANIELLO Rudy 2)ISNARDY Luc

3) REYNAUD Claudine

4)MOUNTAIN Eric Stephen

5)CIABRINI Damien

#### (57) Abstract:

A faring system (10) includes a production facility (12) including at least one fare shopping server (14) a staging facility (16) including at least one fare shopping server (18) and an entry point (20) for conducting bi directional communications with customers. The staging facility further includes a database (26) storing transformation rules and a traffic generation subsystem (24) configured to receive a transaction via the entry point from a customer to determine if the received request is one suitable for use in generating simulation data for the fare shopping server of the staging system and if so to modify the received transaction in accordance with at least one rule retrieved from the database to create at least one modified transaction and to send the at least one modified transaction to the fare shopping server of the staging facility for processing. The fare shopping server of the staging facility processes the modified transaction for evaluating a potential new or modified functionality of the faring system.

(22) Date of filing of Application :04/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: COLLIMATOR AND CT EQUIPMENT COMPRISING 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 Filing Date</li> </ul>	:201020527885.8 :14/09/2010 :China	(71)Name of Applicant:  1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant: Wittelsbacherplatz 2 80333 M¼nchen Germany (72)Name of Inventor: 1)TENG Chang Qing
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#### (57) Abstract:

The present invention discloses a collimator comprising a collimation plate (207) and said collimator further comprising a shielding box (202 204) made of a tungsten plastic composite with the shielding box having an opening on the top and the bottom thereof respectively; and a support part (203 205 206 210) for supporting the shielding box (202 204); wherein the collimation plate (207) is disposed on said shielding box or said support part. The present invention further discloses CT equipment comprising said collimator. As compared to the use of the shielding box alone the present utility model reduces the volume of the collimator without reducing its shielding performance.

(22) Date of filing of Application :04/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: ENERGY AND YIELD OPTIMIZED METHOD AND PLANT FOR PRODUCING HOT STEEL STRIP

(51) International classification :B22D11/041,B22D11/043,B22D11/12

(31) Priority Document No:10187209.1 (32) Priority Date :12/10/2010

(33) Name of priority :EPO

country

(86) International :PCT/EP2011/067623

Application No Filing Date :10/10/2011

(87) International

Publication No :WO 2012/049107

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

(71)Name of Applicant:

1)SIEMENS VAI METALS TECHNOLOGIES GMBH Address of Applicant : Turmstrae 44 A 4031 Linz Austria

(72)Name of Inventor:

1)HOHENBICHLER Gerald

2)WATZINGER Josef

3)ECKERSTORFER Gerald

### (57) Abstract:

The invention relates to a method for continuously or semi continuously producing hot steel strip which starting from a slab (3) guided through a slab guiding device (6) is rolled in a preferably at least four stand roughing train (4) to form an intermediate strip (3) and in a further sequence in a finish rolling train (5) into a final strip (3). According to the invention the thickness of a slab (3) cast in a die (2) is reduced in the liquid core reduction (LCR) process by means of the adjoining slab guiding device to between 85 and 120 mm preferably between 95 and 115 mm a slab support length (L) measured between the meniscus (13) i.e. the bath level of the die (2) and an end (14) of the slab guiding device (6) facing the roughing train (4) being greater than or equal to 18.5 m a casting speed (v) ranging from 3.8 to 7 m/min and slabs (3) of different thicknesses (d) being cast as a function of given casting speeds. Using the casting parameters according to the invention high quality finishing is ensured with exceptionally high production capacities.

(21) Application No.11399/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/12/2012 (43) Publication Date: 31/10/2014

# (54) Title of the invention: LOW PERMEATION FLEXIBLE FUEL HOSE

(51) International classification: B32B1/08,B32B27/18,F16L11/08 (71) Name of Applicant:

(31) Priority Document No :12/791654 (32) Priority Date :01/06/2010 (33) Name of priority country :U.S.A.

(86) International Application

:PCT/US2011/036981 :18/05/2011 Filing Date

(87) International Publication

:WO 2011/152991

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

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

1)THE GATES CORPORATION

Address of Applicant: 1551 Wewatta Street Denver CO 80202

(72)Name of Inventor:

1)HARRIS Earl 2)MILLER Lance

3)STRIPE Dana

## (57) Abstract:

A flexible hose or a tubing having a barrier layer of polyamide 6 having an impact modifier and/or branched molecular structure a flexural modulus of 1 to 2 GPa and/or a tensile elongation of 100% or more. The hose may have additional layers such as an HNBR rubber inner tube an EVM/CPE rubber blend outer cover a textile or wire reinforcement or the like. Permeability to ethanol and methanol containing fuels is very low. Permeability to B20 biofuels is very low.

(21) Application No.1892/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :01/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: FIREPROOF GLAZING

(51) International classification:B32B17/10,C09K21/02,E06B5/16 (71)Name of Applicant:
(31) Priority Document No :BE 2010/0528 1)AGC GLASS EUROPE
(32) Priority Date :03/09/2010 Address of Applicant :Chausse de La Hulpe 166 B 1170

(33) Name of priority country :Belgium Bruxelles (Watermael Boitsfort) Belgium

(86) International Application (87) Regular (87) Name of Inventor:

international Application :PCT/EP2011/064946 (72)Name of Inventor

No Filing Date 1.1C17E120117004940 2)LESCOT Thomas

(87) International Publication :WO 2012/028631

(61) Patent of Addition to
Application Number
:NA

Filing Date

(62) Divisional to Application
:NA
:NA

Number :NA Filing Date

# (57) Abstract:

The invention relates to f reproof glazing comprising at least one intumescent layer of hydrated alkaline silicate having a thickness of no less than 2.5 mm and containing water and optionally compounds partially substituting the water, namely either glycerin or ethylene glycol, said compounds and water combined representing between 25 and 45 wt.-% of the layer, with a molar ratio \$102/M2O of between 2.5 and 6. The viscosity of the intumescent layer prevents the layer from creeping over time.

(21) Application No.1893/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :01/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: GROMMET

(51) International classification :B60R16/02,F16J15/10,H02G3/22 (71)Name of Applicant:

:WO 2012/056748

(31) Priority Document No :2010244258 (32) Priority Date :29/10/2010

(33) Name of priority country :Japan

(86) International Application :PCT/JP2011/057660 No

:28/03/2011 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 (57) Abstract:

1)SUMITOMO WIRING SYSTEMS LTD.

Address of Applicant: 1 14 Nishisuehiro cho Yokkaichi shi

Mie 5108503 Japan (72)Name of Inventor:

1)KANAI(POPOVICI) Mary

A grommet configured so tnat, even if the iront end of a corrugated tube installed over a wire harness led out of the grommet strikes the grommet, deformation such as tilt does not occur in the grommet. An engagement tube section which is bent and has an elliptic cross-section is interconnected with the front end of a small-diameter tube section through which a wire harness is inserted so astobein close contact with the small-diameter tube section. A vehicle body engagement recess having an annular shape is provided in the outer peripheral surface of the peripheral wall of the engagement tube section. Circular arc-side reinforce ment sections which protrude in the radial direction are provided at the positions of the connection between the peripheral wall of the small-diameter tube section and the circular arc-shaped peripheral walls of the engagement tube section, the circular arcshaped peripheral walls facing each other in the long-dimension direction. The trackness of the circular arc-side reinforcement sections is set to be greater than the thickness of the positions of the connecting between the peripheral wall of the small-diameter tube section and the rectilinear peripheral walls which face each other in the short-dimension direction.

(21) Application No.1894/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :01/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: METHODS AND COMPOUNDS FOR THE DIAGNOSIS AND TREATMENT OF CANCER

(51) International (71)Name of Applicant: :C07K14/47,C12Q1/68,C07K16/18 classification

(31) Priority Document No :61/370479 (32) Priority Date :04/08/2010 (33) Name of priority country: U.S.A.

(86) International Application :PCT/GB2011/001173

:04/08/2011 Filing Date

(87) International Publication :WO 2012/017208

No (61) Patent of Addition to

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

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

Address of Applicant : Heslington Hall Heslington York North Yorkshire YO10 5DD U.K.

1)CIZZLE BIOTECHNOLOGY LIMITED

(72)Name of Inventor:

1)COVERLEY Dawn Alison

## (57) Abstract:

The present invention provides for methods for use in the diagnosis and prognosis of cancer. The invention further provides to binding agents and kits for us e.g. in such methods. The present invention further relates to compositions methods of making said compositions and methods of using the same including use in the treatment and diagnosis of cancer including lung lymphoma liver thyroid and bladder cancer. Compositions of the present invention useful in the treatment of cancer include antisense and small inhibitory RNAs (siRNA).

(22) Date of filing of Application :04/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: DATA MODEL PATTERN UPDATING IN A DATA COLLECTING 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>	:G06F17/30 :NA :NA :NA :NA :PCT/SE2010/051068 :04/10/2010 :WO 2012/047138 :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)HJELM Johan 2)LIDSTR–M Mattias 3)MATTI Mona
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A pattern analysing device (27) in a pattern processing node {21} of a data collection system (10} comprises a pattern updating unit equipped with a pattern collecting element configured to obtain an existing pattern of historical data according to at least one existing data model where the existing pattern relates to an entity (11) associated with the data collection system and obtain a further pattern of newer data according to a further data model where the further pattern also relates to the entity « pattern updating element configured to compare the patterns with each other determine if the existing data model can be mapped on the further data model and update the existing pattern with the further pattern in relation to the historical data if the existing data model can be mapped on the further data model.

(22) Date of filing of Application :26/12/2012 (43) Publication Date : 31/10/2014

## (54) Title of the invention: PROCESS FOR THE MANUFACTURE OF FLUORINATED OLEFINS

(51) International (71)Name of Applicant: :C07C17/357,C07C17/23,C07C21/18 classification 1)HONEYWELL INTERNATIONAL INC. (31) Priority Document No :12/822365 Address of Applicant :Patent Services M/S AB/2B 101 (32) Priority Date :24/06/2010 Columbia Road P. O. Box 2245 Morristown New Jersey 07962 (33) Name of priority 2245 U.S.A. :U.S.A. country (72)Name of Inventor: (86) International 1)WANG Haivou :PCT/US2011/041323 Application No 2)TUNG Hsueh Sung :22/06/2011 Filing Date (87) International :WO 2011/163285 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

## (57) Abstract:

Provided are methods for producing fluorinated organic compounds which preferably comprises converting at least one compound of formula (I) CHXCHZCFto at least one compound of formula (II) CHX=CZCF where X and Z are independently H or F with the proviso that X and Z are not the same. The converting step comprises catalytically reacting at least one compound of formula (I) preferably via dehydrogenation or oxidative dehydrogenation. In another aspect the inventive method of preparing fluorinated organic compounds comprises converting a reaction stream comprising at least one pentafluoropropene to a product stream comprising at least one pentafluoropropane and at least one compound of formula (I) separating out the compound of formula (I) from the product stream and converting the compound of formula (I) separated from the product stream to at least one compound of formula (II) wherein the conversion the compound of formula (I) to 3 3 3 trifluoropropene is substantially limited.

(21) Application No.11232/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/12/2012 (43) Publication Date: 31/10/2014

# (54) Title of the invention: COATING HAVING IMPROVED HYDROLYTIC RESISTANCE

(51) International classification: C08L75/04,C08L63/00,C08K5/29 (71)Name of Applicant:

(31) Priority Document No :61/358682 (32) Priority Date :25/06/2010 (33) Name of priority country :U.S.A.

(86) International Application

:PCT/US2011/041178 No :21/06/2011 Filing Date

(87) International Publication

:WO 2011/163179

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

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

1)HONEYWELL INTERNATIONAL INC.

Address of Applicant :Patent Services M/S AB/2B 101 Columbia Road P. O. Box 2245 Morristown New Jersey 07962 2245 U.S.A.

(72)Name of Inventor:

1)TING Yuan Ping Robert

2)PORTER Simon

## (57) Abstract:

Coatings utilized in multilayer sheets such as laminated films used for photovoltaic backsheets can be prepared by adding epoxy and carbodiimide to a polyurethane mixture to be utilized as the adhesive prior to application of the coating to a substrate. Such coatings can exhibit improved resistance to hydrolysis and can maintain bond strength under prolonged conditions of high heat and humidity.

(22) Date of filing of Application :26/12/2012 (43) Publication Date : 31/10/2014

# (54) Title of the invention: METHOD OF PREPARING AN EDGE STRENGTHENED ARTICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:61/358611 :25/06/2010 :U.S.A.	(71)Name of Applicant:  1)CORNING INCORPORATED  Address of Applicant: 1 Riverfront Plaza Corning New York 14831 U.S.A. (72)Name of Inventor:  1)DARCANGELO Charles Michael 2)DEMARTINO Steven Edward
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	3)ELLISON Joseph Fabian 4)NASCA Richard A. 5)SHOREY Aric Bruce 6)TAMMARO David Alan 7)THOMAS John Christopher

## (57) Abstract:

A method of preparing an edge strengthened article comprises polishing of an edge of an article having a first edge strength using magnetorheological finishing wherein after the polishing the article has a second edge strength and the second edge strength is greater than the first edge strength.

(22) Date of filing of Application :04/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: CONTROLLED MOTORIZED BREWING 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> </ul>	:05/05/2011	(71)Name of Applicant:  1)NESTEC S.A.  Address of Applicant: Av. Nestl 55 CH 1800 Vevey Switzerland (72)Name of Inventor:  1)M-RI Peter
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:WO 2012/025258 :NA :NA :NA :NA	

#### (57) Abstract:

A motorized beverage machine (1) has a brewing unit (2) that comprises a first assembly (13) and a second assembly (14) cooperating together each assembly (13 14) delimiting part of a brewing chamber (29) for containing an ingredient capsule (30). At least one of these assemblies (14) is: movable away from the cooperating assembly (13) into an open position within such machine for forming between said assemblies a passage (31) for inserting into and/or removing from the brewing unit the ingredient capsule (30); and movable to the cooperating assembly into a closed position for forming the brewing chamber (29). The machine comprises activation means including: a motor for driving the movable assembly between the open and closed positions and transmission means for transmitting the drive action of the motor to the movable assembly; water supply means for supplying heated water to brewing chamber; control means for controlling the drive action of the motor comprising means for measuring at least one electrical parameter representative of the motor power consumption and for comparing the evolution of said measured parameter as a function of time during the transfer of the assembly from the open to the closed position to a set reference and means for providing an input to at least one of the activation means as a result of the compared evolution of the measured parameter to the set reference.

(19) INDIA

(22) Date of filing of Application :01/03/2013

(21) Application No.1898/DELNP/2013 A

(43) Publication Date: 31/10/2014

# (54) Title of the invention: MOTOR VEHICLE STEERING LOCK

(51) International classification	:B60R25/02	(71)Name of Applicant :
(31) Priority Document No	:10/03513	1)VALEO SECURITE HABITACLE
(32) Priority Date	:02/09/2010	Address of Applicant :76 rue Auguste Perret 94046 CRETEIL
(33) Name of priority country	:France	CEDEX France
(86) International Application No	:PCT/EP2011/004424	(72)Name of Inventor:
Filing Date	:02/09/2011	1)LESUEUR Guillaume
(87) International Publication No	:WO 2012/028324	2)PERRIN Christophe
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1111	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a motor vehicle steering lock comprising: a locking means comprising a bolt (4) mounted such that it can move between an unlocked position in which it is intended to be arranged some distance from a steering column and a locked position in which it is intended to lock the said column a deadlocking means (15) comprising a deadlocking element (16) configured to immobilize the bolt (4) in the locked position the said deadlocking element (16) being urged against the said bolt (4) by an elastic means of the deadlocking means (15) and being held in a passive position by a retaining member (17) of the deadlocking means (15) characterized in that the deadlocking means (15) comprises a housing (19) shaped to collaborate with the said deadlocking element (16) by guiding it towards the bolt (4) in two successive movements (D1 D2) and of distinct directions following the withdrawal of the retaining member (17) to lock the said bolt (4) in the locked position.

(21) Application No.1899/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :01/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: 1 3 3 3 TETRAFLURORPROPENE PROCESS AZEOTROPES WITH HF

(51) International :C07C21/18,C07C17/25,C07C17/38

classification :C0/C21/18,C0/C1//25,C0/C1//38

(31) Priority Document No :12/875181 (32) Priority Date :03/09/2010 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2011/049110

Filing Date :25/08/2011

(87) International Publication :WO 2012/030613

(61) Patent of Addition to

Application Number Filing Date :NA

(62) Divisional to Application:NA
Number:NA

Filing Date

(71)Name of Applicant:

1)HONEYWELL INTERNATIONAL INC.

Address of Applicant :Patent Services M/S AB/2B 101 Columbia Road P. O. Box 2245 Morristown New Jersey 07962

2245 U.S.A.

(72)Name of Inventor:

1)HULSE Ryan 2)PHAM Hang T. 3)SINGH Rajiv Ratna 4)MERKEL Daniel C.

5)POKROVSKI Konstantin A.

6)TUNG Hsueh Sung

(57) Abstract:

The present invention pertains to azeotropic and azeotrope like compositions of the following three blends: 1. Trans 1 3 3 3 tetrafluoropropene (HFO 1234ze(E)) cis 1 3 3 3 tetrafluoropropene (HFO 1234ze(Z)) and hydrogen fluoride (HF); 2. HFO 1234ze(E) 1 1 1 3 3 pentafluoropropane (HFC 245fa) and HF; and 3. HFO 1234ze(Z) HFC 245fa and HF. These azeotropic and azeotrope like compositions are useful as intermediates in the production of HFO 1234ze(E).

(22) Date of filing of Application :04/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: FINGER PROTECTION FOR 90° HEADER

(51) International classification :H01R13/44,H01R13/502,H01R13/53

(31) Priority Document No :10008462.3 (32) Priority Date :13/08/2010

(33) Name of priority :EPO

country

(86) International :PCT/EP2011/063589

Application No Filing Date :09/08/2011

(87) International

Publication No :WO 2012/019986

:NA

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

:NA
:NA

(71)Name of Applicant :

1)TYCO ELECTRONICS AMP ITALIA SRL

Address of Applicant : Corso Frateli Cervi N.15 Collegno I

10093 Torino Italy

2)TYCO ELECTRONICS AMP GMBH

(72)Name of Inventor: 1)ECKEL Markus 2)PLAZIO Adriano 3)AMERIO Fulvio

### (57) Abstract:

Filing Date

The present invention relates to an electrical plug in connector (1) in particular for high voltage connections comprising an outer body (2) having a plug opening (5) for receiving a mating plug in connector (101) a terminal housing (8 8 8 13 13 13 13 ) for fastening an electrical contact (36) and a finger protection member (25) projecting into the plug in direction (X) towards the plug opening (5). Further the present invention relates to a finger protection member (25) for an electrical high voltage plug in connector (1) with a bar shaped body having a protection end (56) and to a construction kit for a high voltage electrical plug in connector (1) comprising an outer body (2) with a plug opening (5) for receiving a mating plug in connector (101) and at least one terminal housing (8 8 8 13 13 13 13 13 16) for fastening an electrical contact (36). Finally the present invention relates to a method for assembling a plug in connector (1) in particular for high voltage connections wherein a terminal housing (8 8 8 13 13 3 13 ) of the plug in connector (1) is inserted into an outer body (2) of the plug in connector (1) having a plug opening (5) which opens towards a plug in direction (X) of the plug in connector (1). In order to provide a plug in connector (1) which is more plug compatible than 1 known connectors with a finger protection device (25) yet user friendly the present invention provides that the finger protection member (25) is a separate piece engaged with the terminal housing (8 8 8 13 13 13 13 ).

(21) Application No.11420/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/12/2012 (43) Publication Date : 31/10/2014

# (54) Title of the invention : METHOD AND ARRANGEMENT TO CONTROL THE HEAT BALANCE OF FUEL CELL STACKS IN A FUEL CELL SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:H01M8/04,H01M8/12 :20105636 :04/06/2010 :Finland :PCT/FI2011/050487 :26/05/2011	(71)Name of Applicant: 1)W,,RTSIL,, FINLAND OY Address of Applicant: Tarhaajantie 2 FI 65380 Vaasa Finland (72)Name of Inventor: 1)STR-M Kim 2)HOTTINEN Tero
(87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:WO 2011/151510 :NA :NA :NA :NA	

#### (57) Abstract:

The invention relates to a method to control the heat balance of fuel cell stacks (6) in a fuel cell system (1) said fuel cell system (1) including at least one fuel cell unit (5) comprising fuel cell stacks (6) whose fuel cells (2) include an anode side (7) and a cathode side (8) as well as an electrolyte (9) interposed therebetween and a recuperator unit (29) for heat exchange for preheating a supply flow (14) of the cathode side (8). In the method a desired portion is separated from the fuel exhaust flow coming from the anode side (7) and adapted to be mixed with the cathode side (8) exit flow (15) before said recuperator unit (29). The invention relates also to a fuel cell system implementing the method.

(21) Application No.11422/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/12/2012 (43) Publication Date: 31/10/2014

## (54) Title of the invention: FUEL PART AND PROCESS FOR PREPARATION OF A FUEL PART

(51) International :C08L77/06,C08L77/02,C08L77/00 classification

(31) Priority Document No :10170791.7

(32) Priority Date :26/07/2010

(33) Name of priority country: EPO

(86) International Application :PCT/EP2011/062546

:21/07/2011 Filing Date

(87) International Publication :WO 2012/013569

No

(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)DSM IP ASSETS B.V.

Address of Applicant: Het Overloon 1 NL 6411 TE Heerlen

Netherlands

(72)Name of Inventor: 1)TOMIC Katarina 2)DULLAERT Konraad

3) VEGTE VAN DER Eric WIllem

# (57) Abstract:

The present invention relates to a fuel part comprising a polymer composition comprising: i. a polyamide A and ii. micro talcum in an amount of 0.001 to 1 weight percent with respect to the total amount of the polymer composition wherein the polymer composition has a melt volume flow rate (MVR) of at most 70 cm/10 min at a weight of 21.6 kg and at a temperature of T as measured according to ISO 1133. The invention also relates to a process for preparation of such fuel part wherein a blow molding or roto molding process is applied.

(19) INDIA

(43) Publication Date : 31/10/2014

(21) Application No.1871/DELNP/2013 A

(22) Date of filing of Application :01/03/2013

# (54) Title of the invention: VEHICLE SEAT WITH A MEMORY 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>	:102010044340.9 :03/09/2010 :Germany :PCT/EP2011/004427 :02/09/2011 :WO 2012/028327 :NA :NA	(71)Name of Applicant:  1)JOHNSON CONTROLS GMBH  Address of Applicant: Industriestrae 20 30 51399 Burscheid Germany (72)Name of Inventor:  1)KIRUBAHARAN Albert Reginold  2)MAI Helmut
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to a vehicle seat with a seat component and a back rest which, in the position of use of the back rest, can be rotated relative to the seat component, out of the position of use and into an easy entry position, for com< fort purposes and for simplified access to the rear seats, said back rest having a locking mechanism which locks the back rest in the desired position of use and which is provided with an apparatus which interacts with the locking mechanism and locks the back rest automatically in the original desired position of use as it leaves the easy entry position. A vehicle seat of this type is known, for example, from EP0867329B1. Document EP1 178898B1 comprises further prior art. The vehicle seats described in said documents are, however, of comparatively costly design.

(21) Application No.1920/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: BESYLATE SALT OF A BTK INHIBITOR

(51) International classification :A01N43/54,C07D471/04,C07D471/22

(31) Priority Document No:61/372349
(32) Priority Date :10/08/2010
(33) Name of priority

country :U.S.A.

(86) International Application No :PCT/US2011/046926

Filing Date :08/08/2011

(87) International Publication No :WO 2012/021444

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

(71)Name of Applicant:

1)CELGENE AVILOMICS RESEARCH INC.

Address of Applicant :45 Wiggins Avenue Bedford MA 01730

U.S.A.

(72)Name of Inventor:

1)WITOWSKI Steven Richard 2)WESTLIN III William Frederick

3)TESTER Richland Wayne

# (57) Abstract:

The present invention provides a salt form and compositions thereof useful as an inhibitor of one or more protein kinases and which exhibits desirable characteristics for the same.

(21) Application No.1974/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/03/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: METHOD FOR JOINING TWO OR MORE SEGMENTS OF A SURGICAL IMPLANT

(51) International :A61B17/72,A61B17/80,A61B17/86 classification (31) Priority Document No :61/384537 (32) Priority Date :20/09/2010 (33) Name of priority country: U.S.A. (86) International :PCT/US2011/051771 Application No

:15/09/2011 Filing Date

(87) International Publication :WO 2012/040033 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)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)VOISARD Cyril 2)FRIGG Robert 3)THORWARTH Goetz

(57) Abstract:

A method for joining two or more segments of a bone implant comprises the steps of placing a plurality of thin layers of an intermetallic material between first and second segments of the bone implant and applying a mechanical load to the plurality of layers. In a subsequent step the plurality of layers are ignited by applying an external activation energy thereto the ignition heating the plurality of layers to a reaction temperature and causing the segments to become affixed to one another after cooling.

(22) Date of filing of Application :01/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: MODIFIED FASTENER AND INSERTION TOOL

(51) International :F16B23/00,A61B17/88,B25B15/00 classification

(31) Priority Document No :12/875244 (32) Priority Date :03/09/2010

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

(86) International Application :PCT/US2011/049251

:26/08/2011 Filing Date

(87) International Publication: WO 2012/030632

No

(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 INC.

Address of Applicant: 1450 East Brooks Road Memphis TN

38116 1892 U.S.A. (72)Name of Inventor:

1) CANIZARES Eduardo Antonio Jr.

(21) Application No.1870/DELNP/2013 A

2)SMITH Graham

# (57) Abstract:

(19) INDIA

According to example configurations a modified screw head (150) includes one or more slots or grooved channels (210 1). A screwdriver device includes a tip that can be inserted into a cavity in the head of the screw to torque the modified screw into an object. The screwdriver device (690) includes a sleeve. The sleeve (250) slides along a shaft of the screwdriver. The sleeve includes inward protruding posts (275) e.g. pins fingers etc. Sliding of the sleeve over the screw's head requires that inward protruding posts in the sleeve be aligned with the grooves on the sidewall of the screw's head. Subsequent to aligning and sliding the sleeve into the grooved channels of the screw's head the user twists the sleeve to secure the screw head to the screwdriver's tip. The sleeve (250) can be spring loaded to pull the head of the screw toward a handle end of the screwdriver after a user releases the sleeve.

(21) Application No.1918/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: DELAMINATION RESISTANT WELDABLE AND FORMABLE LIGHT WEIGHT COMPOSITES

(51) International classification :C08K7/06,C08J5/04,B32B15/08 (71)Name of Applicant:

(31) Priority Document No :61/371360 (32) Priority Date :06/08/2010 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2011/046778

No :05/08/2011 Filing Date

(87) International Publication No: WO 2012/019115

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)PRODUCTIVE RESEARCH LLC

Address of Applicant: 1599 Sugar Maple West Bloomfield MI

48234 U.S.A.

(72)Name of Inventor: 1)MIZRAHI Shimon 2)NARKIS Moshe

(57) Abstract:

The present invention relates to filled polymeric materials 16 including a thermoplastic polymer 18 and a metallic fiber 20 and to light weight composite materials 10 12 which comprise a metallic layer 14 and a polymeric layer the polymeric layer containing the filled polymeric material 16. The composite materials of the present invention may be formed using conventional stamping equipment at ambient temperatures. Composite materials of the present invention may also be capable of being welded to other metal materials using conventional welding techniques. The composites exhibit resistance to delamination.

(22) Date of filing of Application :04/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : CONTAINER CAPABLE OF LIMITING QUANTITY OF CONTENTS REMOVED THEREFROM AND METHOD FOR REMOVING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:B65D83/00,B65D47/20 :201010271439.X :03/09/2010 :China :PCT/CN2011/079358 :05/09/2011 :WO 2012/028114	(71)Name of Applicant:  1)CHEN Zengxin  Address of Applicant:Room 2210Building 22 No.1  Dingfuzhuang North Lane Chaoyang District Beijing 100024  China (72)Name of Inventor:  1)CHEN Zengxin
<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:

Disclosed are a container capable of limiting the quantity of contents removed therefrom and a method for removing same. The container includes a main body portion (101), a pressurizing portion (104) and an outflow channel (105), wherein the main body 5 portion (101) includes a space (102) for holding the contents and a space for gas (103), the pressurizing portion (104) is a device for increasing the gas pressure in the space for gas(103), and the outflow channel (105) is a device in communication with the space (102) for holding the contents so as to allow the outflow of the contents; it also includes a moving component in the outflow channel (105) movable with the contents to be taken out, and a 10 gas channel outlet moving with said moving component; on the movement track of the gas channel outlet there is an opening communicating with ambient air and in communication with the gas channel outlet; the other end of the gas channel (106) opens in the space for gas in the main body portion. By means of the container and the removal method therefor, the removal of a limited quantity or a determined quantity can be achieved so that the 15 contents removed therefrom each time will be no more than or even equal to a set value, thus improving peoples scientific living standard.

(21) Application No.1972/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : SUGARCANE BACILLIFORM VIRAL (SCBV) ENHANCER AND ITS USE IN PLANT FUNCTIONAL GENOMICS

<ul> <li>(51) International classification</li> <li>(31) 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>	:61/402570 :30/08/2010 :U.S.A. :PCT/US2011/049532	(71)Name of Applicant:  1)DOW AGROSCIENCES LLC  Address of Applicant: 9330 Zionsville Road Indianapolis IN  46268 1053 U.S.A.  (72)Name of Inventor:  1)DAVIES John P.
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:29/08/2011 :WO 2012/030711 :NA :NA	1)DAVIES John P. 2)REDDY Vaka S. 3)AINLEY William M. 4)THOMPSON Mark A.
Filing Date	:NA	

## (57) Abstract:

Identification of new enhancer sequence has significant utility in the plant functional genomics. The sugarcane bacilliform badnavirus (SCBV) transcriptional enhancer has been identified. This enhancer can be used to increase the rate of transcription from gene promoters and in activation tagging experiments. A ten fold increase in transcription was observed when a 4x array of the SCBV enhancer was placed upstream of a truncated form of the maize alcohol dehydrogenase minimal promoter. Methods of using the SCBV transcriptional enhancer are described as are chimeric transcription regulatory regions constructs cells tissues and organisms that comprise one or more copies of the enhancer.

(21) Application No.11353/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :28/12/2012 (43) Publication Date : 31/10/2014

(54) Title of the invention: Humanized Anti-Interleukin 3 Receptor Alpha Chain 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>	:17/08/2011 : NA :NA :NA :NA	(71)Name of Applicant:  1)CSL Limited  Address of Applicant: 45 Poplar Road Parkville Victoria 3052 Australia (72)Name of Inventor:  1)PANOUSIS Con
. ,		
Filing Date	:NA	

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

The present disclosure provides antibodies that bind to interleukin-3 receptor alpha chain and uses thereof.

(22) Date of filing of Application :01/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: AUTOMATED TRAFFIC ENGINEERING FOR MULTI PROTOCOL LABEL SWITCHING (MPLS) WITH LINK UTILIZATION AS FEEDBACK INTO THE TIE BREAKING MECHANISM

(51) International classification :H04L12/56 (71)Name of Applicant: (31) Priority Document No 1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) :12/877830 (32) Priority Date Address of Applicant: S 164 83 Stockholm Sweden :08/09/2010 (33) Name of priority country (72)Name of Inventor: :U.S.A. (86) International Application No 1)ALLAN David Ian :PCT/IB2011/053493 Filing Date :04/08/2011 2)MANSFIELD Scott Andrew (87) International Publication No :WO 2012/032426 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

A method implemented in a node of a multi protocol label switching (MPLS) network for improved load distribution including determining a first set of one or more shortest paths between each MPLS node pair selecting at least a first shortest path by applying the common algorithm tie breaking process calculating a link utilization value for each link of the MPLS network determining a second set of one or more shortest paths between each MPLS node pair generating a path utilization value for each shortest path in the second set of shortest paths based on link utilization values corresponding to each shortest path and selecting a second shortest path from the second set of shortest paths on the basis of said path utilization value whereby the selection of the second subsets in light of path utilization minimizes the standard deviation of load distribution across the entire MPLS network.

(22) Date of filing of Application :04/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : MOLD TOOL ASSEMBLY INCLUDING CONSTANT TEMPERATURE HEATER ASSEMBLY FOR MANIFOLD ASSEMBLY

(51) International classification	:B29C45/22	(71)Name of Applicant:
(31) Priority Document No	:61/385579	1)HUSKY INJECTION MOLDING SYSTEMS LTD
(32) Priority Date	:23/09/2010	Address of Applicant :500 Queen Street South Bolton Ontario
(33) Name of priority country	:U.S.A.	L7E 5S5 Canada
(86) International Application No	:PCT/US2011/052238	(72)Name of Inventor:
Filing Date	:20/09/2011	1)BLAIS Paul R.
(87) International Publication No	:WO 2012/040132	2)KNAPP John
(61) Patent of Addition to Application	:NA	3)BELZILE Manon Danielle
Number	:NA	4)OVERFIELD Sarah Kathleen
Filing Date	:NA	5)ESSER Brian
(62) Divisional to Application Number	:NA	6)PLUMPTON James Osborne
Filing Date	:NA	7)BOUTI Abdeslam

# (57) Abstract:

A mold tool assembly (100) comprising: a manifold assembly (102); and a constant temperature heater assembly (99) being positioned relative to the manifold assembly (102) the constant temperature heater assembly (99) being configured to convey in use a thermal management fluid (109).

(22) Date of filing of Application :04/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : ACTIVATION TAGGING PLATFORM FOR MAIZE AND RESULTANT TAGGED POPULATION AND 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 <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:29/08/2011 :WO 2012/030714	(71)Name of Applicant:  1)DOW AGROSCIENCES LLC  Address of Applicant: 9330 Zionsville Road Indianapolis IN  46268 1053 U.S.A.  (72)Name of Inventor:  1)DAVIES John P.  2)LIU Xing L.  3)REDDY Vaka S.
	:NA :NA :NA :NA :NA	,

#### (57) Abstract:

Disclosed herein is an activation tagging construct for maize resulting tagged populations and plants. In one example an activation tagging DNA construct includes a coding sequence for a transposase a detectable reporter (such as anthocyanin regulatory genes B Peru and CI) and a non autonomous transposable T DNA cassette. For example the transposable T DNA cassette is inserted into the detectable reporter encoding region such that the B Peru and CI genes express anthocyanins in a cell containing the maize activation tagging DNA construct only upon excision of the transposable cassette. Methods of generating a tagged population of maize plants include transforming a maize plant cell or tissue with the disclosed constructs.

No. of Pages: 91 No. of Claims: 19

(21) Application No.1928/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: POLYMERS AND 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> </ul>	:A61K8/81 :61/379488 :02/09/2010 :U.S.A. :PCT/US2011/050196 :01/09/2011 :WO 2012/031113	(71)Name of Applicant:  1)LUBRIZOL ADVANCED MATERIALS INC.  Address of Applicant:9911 Brecksville Road Cleveland Ohio 44141 3247 U.S.A.  (72)Name of Inventor:  1)TAMARESELVY Krishnan  2)STAELENS Pascal
		` /
<u> </u>		7
	:WO 2012/031113	2)STAELENS Pascal
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(55) 41		<u> </u>

#### (57) Abstract:

The present invention relates to hair care and personal care compositions which contain an acrylic copolymer which is polymerized in the presence of at least two different classes of crosslinking monomers. The polymer functions both as a fixative/film former and a thickening agent for hair styling and personal care compositions in which it is contained. The copolymer exhibits advantageous fixative film forming and rheological gel properties.

No. of Pages: 92 No. of Claims: 30

(22) Date of filing of Application :05/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: POTENT AND SELECTIVE INHIBITORS OF HEPATITIS C VIRUS

(51) International (71)Name of Applicant: :C07D403/04,C07D403/14,C07D413/14 classification 1)RFS PHARMA LLC (31) Priority Document Address of Applicant :1860 Montreal Road Tucker GA 30084 :61/377452 (32) Priority Date :26/08/2010 2) EMORY UNIVERSITY (33) Name of priority (72)Name of Inventor: :U.S.A. country 1)COATS Steven J. 2)AMBLARD Franck (86) International :PCT/US2011/049426 Application No 3)ZHANG Hongwang :26/08/2011 Filing Date 4)ZHOU Longhu (87) International 5)WHITAKER Richard Anthony :WO 2012/027712 Publication No 6)MCBRAYER Tamara Rosario (61) Patent of Addition to :NA 7)SCHINAZI Raymond F. **Application Number** 8)SHI Junxing :NA Filing Date (62) Divisional to :NA **Application Number** :NA

# (57) Abstract:

Filing Date

The present invention is directed to compounds compositions and methods for treating or preventing hepatitis C virus (HCV) infection in human subjects or other animal hosts. The compounds are as also pharmaceutically acceptable salts prodrugs and other derivatives thereof as pharmaceutical compositions and methods for treatment or prevention of HCV infection.

No. of Pages: 103 No. of Claims: 31

(21) Application No.1880/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :01/03/2013

(43) Publication Date: 31/10/2014

### (54) Title of the invention: SERIES CONFIGURED VARIABLE FLOW RESTRICTORS FOR USE IN A SUBTRERRANEAN WELL

(51) International classification (31) Priority Document No :12/879846 (32) Priority Date :10/09/2010 (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2011/048986 Filing Date :24/08/2011

(87) International Publication No :WO 2012/033638

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

:E21B34/06,E21B43/00 (71)Name of Applicant :

1)HALLIBURTON ENERGY SERVICES INC.

Address of Applicant: 10200 Bellaire Boulevard Houston TX

77072 U.S.A.

(72)Name of Inventor: 1)DYKSTRA Jason D.

### (57) Abstract:

A variable flow resistance system can include a vortex device, with resistance to flow of a fluid composition through the vortex device being dependent on a rotation of the fluid composition at an inlet to the vortex device. Another system can include a second vortex device which receives a fluid composition from an outlet of a first vortex device, a resistance to flow of the fluid composition through the second vortex device being dependent on a rotation of the fluid composition at the outlet. Another system can include a first vortex device which causes increased rotation of a fluid composition at an outlet thereof in response to an increase the fluid composition velocity, and a second vortex device which receives the fluid composition from the outlet, a flow resistance through the second vortex device being dependent on the rotation of the fluid composition at the outlet.

No. of Pages: 39 No. of Claims: 43

(21) Application No.1930/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: PATIENT MATCHED TISSUE GUIDE FOR PLACING A SURGICAL DEVICE

(51) International :A61B17/90,A61B17/02,A61B19/00 classification (31) Priority Document No :61/373958 (32) Priority Date :16/08/2010 (33) Name of priority country: U.S.A. (86) International :PCT/US2011/047897 Application No :16/08/2011

Filing Date

(87) International Publication :WO 2012/024281 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)SMITH & NEPHEW INC.

Address of Applicant: 1450 Brooks Road Memphis Tennessee

38116 U.S.A.

(72)Name of Inventor: 1)GIBSON Luke

# (57) Abstract:

An apparatus for guiding surgical instrumentation during surgery including a body having a first surface and a second surface the second surface shaped to substantially match an outer surface of a patient s anatomy and at least one aperture extending between the first surface and the second surface of the body and configured to receive the surgical instrumentation and guide the surgical instrumentation relative to the patient s anatomy.

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

(19) INDIA

(21) Application No.1931/DELNP/2013 A

(22) Date of filing of Application :04/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: FIXING RESIN COMPOSITION FOR USE IN ROTOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H02K1/27 :PCT/JP2010/005406 :02/09/2010 :Japan :PCT/JP2011/004789 :29/08/2011 :WO 2012/029278 :NA :NA	(71)Name of Applicant:  1)SUMITOMO BAKELITE CO. LTD.  Address of Applicant: 5 8 Higashi Shinagawa 2 chome Shinagawa ku Tokyo 1400002 Japan (72)Name of Inventor:  1)SASAJIMA Hideaki
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### (57) Abstract:

A solid fixing resin composition ior use m a rotor includes a thermosetting resin (A) containing epoxy resin, a curing agent (B), and an inorganic filler (C). Therein, the amount of the inorganic filler (C) included is at least 50 mass% relative to the 100 mass% total amount of the fixing resin composition.

No. of Pages: 85 No. of Claims: 2

(22) Date of filing of Application :04/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: DISPLAY SYSTEM OF HYDRAULIC SHOVEL AND CONTROL METHOD 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 Filing Date</li> </ul>	:E02F9/26 :2011036197 :22/02/2011 :Japan :PCT/JP2012/052829 :08/02/2012 :WO 2012/114869 :NA :NA	(71)Name of Applicant:  1)KOMATSU LTD.  Address of Applicant: 2 3 6 Akasaka Minato ku Tokyo 1078414 Japan (72)Name of Inventor:  1)NOMURA Azumi 2)KURIHARA Takashi 3)FUJITA Etsuo 4)ANDO Masao
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#### (57) Abstract:

The present invention addresses the problem of providing a display system of a hydraulic shovel and a control method therefor, the dis - play system enabling excavation work to be performed accurately. A display system of a hydraulic shovel comprises a calculation unit and a display unit. On the basis of the position of the edge of a bucket (8) and positional inform ation relating to a design surface (45), the calculation unit calculates the distance between a position closest to the design surface (45) among positions (C1-C5) in the width direction of the edge and the design surface (45). The display unit displays a guide screen. The guide screen includes an image in dicating the positional relationship between the design surface (45) and the edge of the bucket (8), and information indicating the distance between the closest position and the design surface (45).

No. of Pages: 77 No. of Claims: 12

(22) Date of filing of Application :05/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: ANTI KOGATION AGENTS

(51) International :C09D7/12,C09D11/00,C09D11/02 classification

(31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country: NA

(86) International Application :PCT/US2010/050306

:24/09/2010 Filing Date

(87) International Publication :WO 2012/039721 No

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

:NA Filing Date (62) Divisional to Application

:NA Number :NA

Filing Date

(71)Name of Applicant:

(21) Application No.1987/DELNP/2013 A

1)HEWLETT PACKARD DEVELOPMENT COMPANY

L.P.

Address of Applicant : Hewlett Packard Development Company L.P. 11445 Compaq Center Drive W. Houston Texas

77070 U.S.A.

(72)Name of Inventor: 1)TYRELL Paul

2)BRUNCK Robert A. 3)DEKAM Kevin P.

4)HINCH Garry

(57) Abstract:

(19) INDIA

Anti kogation agents and ink compositions containing it. Such anti kogation agent has the formula (I) or (II) wherein R is an alkyl group having from 1 to 10 carbon atoms and n is an integer ranging from 3 to 10. A disclosed ink composition includes an ink vehicle from about 0.1 to about 10 weight percentage of colorants and from about 0.01 to about 10 weight percentage of the anti kogation agents.

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

(22) Date of filing of Application :05/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: CONNECTOR AND ELECTRONIC 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</li> </ul>	:H01R13/648 :2010217669 :28/09/2010 :Japan :PCT/JP2011/072038 :27/09/2011 :WO 2012/043542 :NA :NA	(71)Name of Applicant:  1)HOSIDEN CORPORATION  Address of Applicant: 4 33 Kitakyuhoji 1 chome Yao shi Osaka 5810071 Japan (72)Name of Inventor:  1)NAGATA Takayuki 2)KOBAYASHI Hideto
(61) Patent of Addition to Application	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The purpose of the present invention is to provide a connector by which a connector member can be affixed to a casing, and a shielding effect can be main tained, even in the case of a structure in which a plug-type connector on the opposite side is provided with a flat insulating plate and in which an upper terminal and lower terminal, which are elongated conductive strips on each of the two surfaces of the plate, are provided with a plurality of connecting parts arranged to be mutually parallel in a planar shape. This connector has the connector member and the casing. The connector member is provided with an inner smeld, the inner shield including an engaging part formed at the rear end, the rear end comprising a press-machined fracture surface. The casing comprises: a plastic spring disposed maide a tube, the spring extending toward the rear; and a fixed tab disposed at the free end of the plastic spring, the tab in wardly increasing in thickness in the direction from the rear towards the front. When the connector member is inserted from the rear of the casing, the plastic spring is elastically stretched outward, and when the connector member is inserted until the fixed tab reaches the engaging part, the plastic spring returns to the original state, and the fixed tab engages with the engaging part of the inner shield cover.

No. of Pages: 35 No. of Claims: 4

(21) Application No.1994/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/03/2013 (43) Publication Date : 31/10/2014

(54) Title of the invention: MOTOR

(51) International classification :H02K5/173,H02K (31) Priority Document No :2010202100 (32) Priority Date :09/09/2010 :Japan :Japan

(86) International Application No :PCT/JP2011/004632 Filing Date :19/08/2011 (87) International Publication No :WO 2012/032718

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

:H02K5/173,H02K15/00 (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)NAGAYAMA Takashi2)SHIRAISHI Shigetomo

### (57) Abstract:

According to one embodiment a motor has a cylindrical stator core and a rotor. A first framework is fixed to a side of the stator core in an axial direction and a first bearing housing is fixed to the outside of the first framework. A second framework is fixed to the other side of the stator core and a second bearing housing is fixed to the outside of the second framework. The rotor has a rotational shaft supported by the bearings extending into the frameworks. A rotor core is attached to the shaft. Support bases are fixed to the rotor and are interposed by the rotor core. A locking member coupled to the first framework is configured to contact and the first support base. A locking member coupled to the second framework is configured to contact the second support base. The rotor is fixed by the locking members contact with the support bases.

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

(21) Application No.1995/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/03/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: DRIVE TYPE CONTROL DEVICE FOR WORK VEHICLE

:NA

:F02D29/00,F16H61/02 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)YANMAR CO. LTD. :2010208392 (32) Priority Date Address of Applicant: 1 9 Tsurunocho Kita ku Osaka shi :16/09/2010 Osaka 5308311 Japan (33) Name of priority country :Japan (86) International Application No :PCT/JP2011/070365 (72)Name of Inventor: 1)SHIOIRI Motovuki Filing Date :07/09/2011 :WO 2012/036042 (87) International Publication No 2)TAO Tomohisa 3)OOUCHIDA Takeshi (61) Patent of Addition to Application :NA Number 4)HIRAI Tadao :NA Filing Date (62) Divisional to Application Number :NA Filing Date

#### (57) Abstract:

In order to enable the downsizing of an engine (70) and guarantee output torque in a low revolution area of the engine (70) in a work vehicle (141) without using a supercharger in the work vehicle (141) which is provided with an engine (70) which is built into a travelling machine body (142) a common rail type fuel injection device (117) which injects fuel to the engine (70) and a continuously variable transmission (159) which alters the motive power from the engine (70) the rotational speed (N) of the engine (70) is limited to just two kinds (N 1 N 2). Even if the rotational speed (N) of the engine (70) is altered to be either of the two kinds (N 1 N 2) the transmission gear ratio of the continuously variable transmission (159) is altered and adjusted so that the vehicle speed of the travelling machine body (142) does not change before and after the rotational speed change.

No. of Pages: 68 No. of Claims: 6

(21) Application No.11260/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :27/12/2012 (43) Publication Date : 31/10/2014

# (54) Title of the invention: SEAT BACKBOARD AND VEHICLE SEAT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:F16B :NA :NA :NA :PCT/JP2011/063837 :16/06/2011 : NA	(71)Name of Applicant:  1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant: 1 Toyota-cho Toyota-shi Aichi 471- 8571 Japan (72)Name of Inventor: 1)AWATA Shinji 2)KOBAYASHI Hideki
(86) International Application No Filing Date	:PCT/JP2011/063837 :16/06/2011	(72)Name of Inventor : 1)AWATA Shinji
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)MORI Hisaya
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A seat backboard and vehicle seat are obtained in which the degrees of freedom for design can be increased and the fixing structure for a seat cover can be simplified. In a seat backboard 16 a backboard section 36 is formed with a size that enables it to pass through between left and right side frames 26 of a seatback frame 14. Coupling fixing sections 50 are also provided at the two seat width direction sides of the backboard section 36 the coupling fixing sections 50 engaging with the front side of the side frames 26 and supported by the side frames 26. The seat backboard 16 can thereby be attached to the seatback frame 14 from the seat front side and the degrees of freedom for design can be increased. The seat backboard 16 is also provided with a cover anchor section 42...

No. of Pages: 24 No. of Claims: 7

(22) Date of filing of Application :01/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: AUTHENTICATED ENCRYPTION FOR DIGITAL SIGNATURES WITH MESSAGE RECOVERY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:61/393744 :15/10/2010 :U.S.A.	(71)Name of Applicant:  1)CERTICOM CORP.  Address of Applicant: 4701 Tahoe Blvd. Building A Mississauga Ontario L4W 0B5 Canada (72)Name of Inventor:  1)CAMPAGNA Matthew John 2)BROWN Daniel Richard L. 3)ZAVERUCHA Gregory Marc
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#### (57) Abstract:

A framework is proposed for authenticated encryption for digital signatures with message recovery whereby authentication is achieved without a redundancy requirement. The Elliptic Curve Pintsov Vanstone Signature scheme is modified through the use of authenticated encryption thereby enabling authentication using a message authentication code (1028). The authenticated encryption may be performed within a single function or as two separate functions. The authenticated encryption may also be applied to associated data in the message (104) to be signed.

No. of Pages: 42 No. of Claims: 9

(22) Date of filing of Application :01/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: CENTRIFUGAL COMPRESSOR WITH FLUID INJECTOR DIFFUSER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:F01D17/08 :NA :NA :NA :PCT/US2010/055201 :03/11/2010 :WO 2012/060825 :NA :NA	(71)Name of Applicant:  1)DANFOSS TURBOCOR COMPRESSORS B.V. Address of Applicant: Koningslaan 17 NL 1075 AA Amsterdam Netherlands (72)Name of Inventor: 1)SUN Lin 2)BRASZ Joost
(61) Patent of Addition to Application	*	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A centrifugal compressor includes a housing providing in inlet an impeller a diffuser and a volute or collector. An electric motor is provided in the housing and is configured to drive at least one impeller via a shaft about an axis. The impeller includes an outlet end aligned with a diffuser and arranged at the throat. A variable fluid injector device is arranged downstream from the outlet end of the impeller in one example. The variable fluid injector device is configured to introduce high pressure fluid downstream from the impeller in response to a compressor regulation command. The injected fluid energizes the low momentum boundary layer which provides compressor stability. A compressor controller is in communication with the variable fluid injection device to obtain a desired compressor operating condition.

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

(22) Date of filing of Application :06/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : ARRANGEMENT FOR INTRODUCING A LIQUID MEDIUM INTO EXHAUST GASES FROM A COMBUSTION ENGINE

(51) International classification :F01N3/20,F01N13/08 (71)Name of Applicant : (31) Priority Document No 1)SCANIA CV AB (PUBL) :10510733 (32) Priority Date :14/10/2010 Address of Applicant :S 151 87 Sdertlje Sweden (33) Name of priority country (72)Name of Inventor: :Sweden (86) International Application No :PCT/SE2011/051200 1)LOMAN Peter Filing Date :07/10/2011 2)NORLING Daniel (87) International Publication No :WO 2012/050509 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

Arrangement for introducing a liquid medium into exhaust gases from a combustion engine comprising a mixing duct (2) an injection means (4) for injecting the liquid medium into the mixing duct and an inlet duct (6) situated upstream of the mixing duct. The inlet duct comprises a first duct section (14) which is annular in cross section and a second duct section (15) which is annular in cross section is situated downstream of the first duct section and surrounds the mixing duct. The first duct section surrounds the second duct section. The mixing duct further comprises a flow reversal section (18) via which an annular outlet (16) of the first duct section is connected to an annular inlet (17) of the second duct section and which is adapted to reversing the direction of flow of the exhaust gases flowing through the inlet duct so that they are caused to flow through the second duct section in a direction opposite to that of the exhaust gases in the first duct section.

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

(21) Application No.1903/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :01/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: AROMATIC COMPOUND CONTAINING SPECIFIC BRANCH

(51) International classification :C07C43/23,C07C43/225,C07C217/54 (31) Priority Document No :2010192961

(31) Priority Document No :2010192961 (32) Priority Date :30/08/2010 (33) Name of priority

country :Japan

(86) International Application No :PCT/JP2011/069624

Filing Date :30/08/2011

(87) International Publication No :WO 2012/029794

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

NA

NA

NA

NA

NA

NA

NA

NA

(71)Name of Applicant: 1)AJINOMOTO CO. INC.

Address of Applicant :15 1 Kyobashi 1 chome Chuo ku Tokyo

1048315 Japan

(72)Name of Inventor:
1)TAKAHASHI Daisuke

# (57) Abstract:

Filing Date

The present invention provides an aromatic compound containing a sOecinc branch his aromatic compound containing a specific branch is easily soluble in isopropyl acetate, which is excellent for separating liquids, and can be used for a method for producing peptides etc. that lead to the final product through extraction and separation only, without crystallization and isolation of each intermediate in each step.

No. of Pages: 128 No. of Claims: 31

(22) Date of filing of Application :01/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: SYSTEM PRODUCING ENERGY THROUGH THE ACTION OF WAVES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:F03B13/20 :12/850340 :04/08/2010 :U.S.A. :PCT/US2011/001368 :03/08/2011 :WO 2012/018392 :NA :NA	(71)Name of Applicant:  1)GWAVE LLC  Address of Applicant: 71 Stevens Road Hanover NH 03755  U.S.A.  (72)Name of Inventor:  1)BEANE Glenn L.
	:NA :NA :NA	

#### (57) Abstract:

A system and method for generating energy from tuning the natural frequency of masses relative to a ground plane and an external force. In some embodiments the external force is the action of the waves. The system has a first mass movable relative to the ground plane wherein the external force induces an oscillation in the first mass relative to the ground plane. A second movable mass is carried by and movable relative to the first movable mass. The second movable mass creates kinetic energy as the result of varying the position of the second movable mass relative to the first mass. The system adjusts or tunes the frequency of various components in relation to the natural frequency of the waves. The energy created by the relative motion can be converted to various forms of energy including electrical energy.

No. of Pages: 76 No. of Claims: 25

(21) Application No.1960/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : COMPOUNDS ACT AT MULTIPLE PROSTAGLANDIN RECEPTORS GIVING A GENERAL ANTI INFLAMMATORY RESPONSE

(51) International classification :C07D413/04,A61K31/422,A61P3/00

(31) Priority Document No :61/375406

(32) Priority Date :20/08/2010

(33) Name of priority :U.S.A.

country (86) International

Application No :PCT/US2011/048361

Filing Date :19/08/2011

(87) International Publication No :WO 2012/024559

(61) Patent of Addition to
Application Number :NA

Application Number Filing Date

(62) Divisional to

(62) Divisional to
Application Number
Filing Date
:NA

(71)Name of Applicant:

1)ALLERGAN INC.
Address of Applicant :2525 Dupont Drive Irvine California

92612 U.S.A.

(72)Name of Inventor:

1)MARTOS Jose L.

2)CARLING William R. 3)WOODWARD David F.

4)WANG Jenny W.

5)KANGASMETSA Jussi J.

# (57) Abstract:

The present invention provides compounds that areN alkyl 2 (1 (5 substituted 2 (3 oxo 3

(trifluoromethylsulfonamido)propyl)benzyl)pyrrolidin 2 yl)oxazole 4 carboxamide wherein the 5 substituent is selected from the group consisting of halo and alkyloxy radicals. The compound may be represented by the following formula wherein R is selected from the group consisting of COR and CON(R)SOR wherein R R R R and R are as defined in the specification. The compounds may be administered to treat DP FP EP EP TP and/or EP receptor mediated diseases or conditions.

No. of Pages: 59 No. of Claims: 23

(22) Date of filing of Application :04/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: SYNERGISTIC ALGICIDAL COMPOSITIONS INCLUDING HYDRAZONE DERIVATIVES AND **COPPER** 

(21) Application No.1961/DELNP/2013 A

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A01N37/18 :61/375471 :20/08/2010 :U.S.A. :PCT/US2011/048260 :18/08/2011 :WO 2012/024494 :NA :NA :NA	(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)MEYER Stacy T. 2)WEBSTER Jeffery D. 3)YOUNG David H.
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(57) Abstract:

(19) INDIA

The present invention relates to the use of mixtures containing hydrazone compounds and copper for controlling the growth of algae.

No. of Pages: 48 No. of Claims: 12

(21) Application No.1962/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: MAGNETIC ACTUATOR FOR A CIRCUIT BREAKER ARRANGEMENT

(51) International classification	· · · · · · · · · · · · · · · · · · ·	(71)Name of Applicant:
(31) Priority Document No	:10009199.0	1)ABB TECHNOLOGY AG
(32) Priority Date	:04/09/2010	Address of Applicant : Affolternstrasse 44 CH 8050 Z <sup>1</sup> / <sub>4</sub> rich
(33) Name of priority country	:EPO	Switzerland
(86) International Application No	:PCT/EP2011/004429	(72)Name of Inventor:
Filing Date	:02/09/2011	1)REUBER Christian
(87) International Publication No	:WO 2012/028328	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A magnetic actuator 10 for a circuit breaker arrangement comprises position lockers 34a, 34b for locking a coil 14 in grooves 26a, 26b of the core 12 of the 5 magnetic actuator 10. The position lockers 34a, 34b have a locking part 38 protruding away from the core 12 and over the coil 14 remote from the grooves 26a, 26b.

No. of Pages: 20 No. of Claims: 11

(21) Application No.2015/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: LUBRICANTS CONTAINING AROMATIC DISPERSANTS AND 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 Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C10M161/00 :61/375993 :23/08/2010 :U.S.A. :PCT/US2011/048582 :22/08/2011 :WO 2012/027254 :NA :NA :NA	(71)Name of Applicant:  1)THE LUBRIZOL CORPORATION  Address of Applicant: 29400 Lakeland Blvd. Wickliffe Ohio 44092 2298 U.S.A.  (72)Name of Inventor:  1)GALIC RAGUZ Mary  2)CARRICK Virginia A.  3)PUDELSKI John K.
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### (57) Abstract:

A lubricant composition comprising an oil of lubricating viscosity a dispersant comprising the condensation product of a carboxylic functionalized polymer with an aromatic moiety through an amide imide or ester linkage and an oil soluble titanium compound exhibits good oxidative stability.

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

(22) Date of filing of Application :04/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention: 4 1BB BINDING MOLECULES

		(71)Name of Applicant:
		1)PFIZER INC.
		Address of Applicant :235 East 42nd Street New York New
		York 10017 U.S.A.
		(72)Name of Inventor:
(54) 5		1)AHRENS Bianca
(51) International	:C07K16/28,A61K39/395,A61P35/00	
classification		3)BERGQVIST Simon Paul
(31) Priority Document No	:61/381210	4)DOYONNAS Regis
(32) Priority Date	:09/09/2010	,
(33) Name of priority	TIC A	5)DUFIELD Robert Lee
country	:U.S.A.	6)ELLIOTT Mark William
(86) International		7)FISHER Timothy Scott
Application No	:PCT/IB2011/053761	8)JEROME Richard Michael
Filing Date	:26/08/2011	9)JONES Heather Laurence
(87) International		10)KAMPERSCHROER Cris
Publication No	:WO 2012/032433	11)LADETZKI BAEHS Kathrin
		12)LOVE Victoria Alexandria
(61) Patent of Addition to	:NA	13)OLIPHANT Theodore Lawrence
Application Number	:NA	14)ONADIPE Adekunle Olatunbosun
Filing Date		15)QIN Wenning
(62) Divisional to	:NA	16)RADHAKRISHNAN Vinay
Application Number	:NA	1 · · · · · · · · · · · · · · · · · · ·
Filing Date	.NA	17)ROHNER Allison Karlyn
2		18)SHARP Leslie Lynne
		19)TESAR Michael
		20)THOMAS Kristin Elizabeth
		21)YATES Libbey Anne
		22)ZIEGEMEIER Daisy Marie
		23)ZULLEY Moritz
		1 '

### (57) Abstract:

The present disclosure provides isolated binding molecules that bind to human 4 BB nucleic acid molecules encoding an amino acid sequence of the binding molecules vectors comprising the nucleic acid molecules host cells containing the vectors methods of making the binding molecules pharmaceutical compositions containing the binding molecules and methods of using the binding molecules or compositions.

No. of Pages: 145 No. of Claims: 7

(21) Application No.1957/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : SYNERGISTIC FUNGICIDAL AND ALGICIDAL COMPOSITIONS INCLUDING 2 HYDROXYPHENYLALDEHYDE AND 2 HYDROXYPHENYLKETONE HETEROCYCLOYLHYDRAZONES AND COPPER

<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>	:A01N33/26,A61K31/15 :61/375284 :20/08/2010 :U.S.A.	(71)Name of Applicant:  1)DOW AGROSCIENCES LLC  Address of Applicant: 9330 Zionsville Road Indianapolis IN 46268 U.S.A.
<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>	:PCT/US2011/048242 :18/08/2011 :WO 2012/024483 :NA :NA :NA	(72)Name of Inventor: 1)SHABER Steven H. 2)WEBSTER Jeffery D. 3)YOUNG David H.

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

The present invention relates to the use of mixtures containing 2 hydroxyphenylaldehyde and 2 hydroxyphenylketone heterocycloylhydrazone compounds and copper for controlling the growth of fungi and algae.

No. of Pages: 45 No. of Claims: 21

(21) Application No.1958/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : SYNERGISTIC FUNGICIDAL AND ALGICIDAL COMPOSITIONS INCLUDING 7 HYDROXY INDANONE BENZOYLHYDRAZONES AND COPPER

(51) International :A01N59/20,A61K33/34,C07C243/38

classification .A01N39/20,A01R33/34,C07C243/3

(31) Priority Document No :61/375300 (32) Priority Date :20/08/2010

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

(86) International Application No :PCT/US2011/048251

Filing Date :18/08/2011

(87) International Publication No :WO 2012/024488

(61) Patent of Addition to Application Number :NA

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

(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)SIDDALL Thomas L. 2)WEBSTER Jeffery D.

3)YOUNG David H.

### (57) Abstract:

The present invention relates to the use of mixtures containing 7 hydroxy indanone benzoylhydrazone compounds and copper for controlling the growth of fungi and algae.

No. of Pages: 29 No. of Claims: 22

(22) Date of filing of Application :06/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: METERED DOSE INHALER ACTUATOR METERED DOSE INHALER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A61M15/00 :10175427.3 :06/09/2010 :EPO :PCT/EP2011/065301 :05/09/2011 :WO 2012/032008 :NA :NA	(71)Name of Applicant:  1)CHIESI FARMACEUTICI S.P.A.  Address of Applicant: Via Palermo 26/A I 43122 Parma Italy (72)Name of Inventor:  1)BRAMBILLA Gaetano 2)LEWIS David Andrew 3)JOHNSON Robert
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Metered dose inhaler actuator metered dose inhaler and method of using the same An actuator (11) for a metered dose inhaler (1) is provided. The actuator (11) com prises a housing having a mouthpiece portion (13) and a canister receiving portion (12) configured to receive a canister (2). The actuator (11) further comprises a member (14) disposed within the housing and defining a valve stem receptacle (15) con figured to receive a valve stem (3) of the canister (2). An orifice (16) is formed in the member (14) which is in fluid communication with the valve stem receptacle (15) and extending to a face (19) of the member (14) opposite to the valve stem receptacle (15). A longitudinal axis (18) of the orifice (16) is aligned with a longitudinal axis (17) 15 of the valve stem receptacle (15). At least one air inlet opening (20) is provided in an outer shell of the housing so as to be spaced from an opening (21) for receiving the canister (2) and a mouthpiece opening (22).

No. of Pages: 85 No. of Claims: 15

(21) Application No.2011/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : TRANSDERMAL THERAPEUTIC SYSTEMS WITH CRYSTALLIZATION INHIBITING PROTECTIVE FILM (RELEASE LINER)

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K9/70 :102010040299.0 :06/09/2010 :Germany :PCT/EP2011/065204 :02/09/2011 :WO 2012/031985 :NA :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)BRACHT Stefan 2)TEREBESI Ildiko 3)LANGGUTH Thomas
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#### (57) Abstract:

The invention relates to pharmaceutical formulations, in particular to transdermal therapeutic Systems, which are characterized in that no active substance crystallizes out at the interface between the removable release liner and the active-sub stance-containing matrix. The active substance is gestodene or a gestodene ester in supersaturated matrix polymer and/or ethynyl estradiol. The matrix is free from solubilizers, crystallization inhibitors and dispersants.

No. of Pages: 20 No. of Claims: 13

(22) Date of filing of Application :06/03/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: CYCLIC SULFATE COMPOUND NON AQUEOUS ELECTROLYTE SOLUTION CONTAINING SAME AND LITHIUM SECONDARY BATTERY

(51) International :H01M10/0567,C07D327/04,H01M10/052

classification

(19) INDIA

(31) Priority Document :2010237173

(32) Priority Date :22/10/2010

(33) Name of priority

country (86) International

:PCT/JP2011/074339 Application No

:Japan

:21/10/2011 Filing Date

(87) International

:WO 2012/053644 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)Mitsui Chemicals Inc.

(21) Application No.2012/DELNP/2013 A

Address of Applicant: 5 2 Higashi Shimbashi 1 chome Minato

ku Tokyo 1057117 Japan

(72)Name of Inventor:

1)Mio Shigeru

2)NAKAMURA Mitsuo 3)HARUTA Kaichiro 4)NOGI Hidenobu 5)FUJIYAMA Satoko 6)HAYASHI Takashi 7)TSUNODA Hidetoshi

## (57) Abstract:

In the present invemion, a non-aqueous 1] electrolyte solution containing a cyclic sulfate com 2 pound represented by general formula (I) is provided. In general formula (I), R represents a group represented by general formula (II) or the group represented by formula (III); R 2 represents a hydrogen atom, a Ci. alkyl group, a group represented by general formula (II), or the group represented by formula (III). I n general formula (P), R 3 represents a halogen atom, a C i alkyl group, a C i halogenated alkyl group, a Ci. alkoxy group, or the group represented by formula (IV).

No. of Pages: 82 No. of Claims: 19

(22) Date of filing of Application :01/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: SPOKE EDGE GEOMETRY FOR A NON PNEUMATIC TIRE

(51) International classification	:B60C3/04	(71)Name of Applicant :
	.D00C3/04	
(31) Priority Document No	:61/379351	1)MICHELIN RECHERCHE ET TECHNIQUE S.A.
(32) Priority Date	:01/09/2010	Address of Applicant :Route Louis Braille 10 CH 1763
(33) Name of priority country	:U.S.A.	Granges Paccot Switzerland
(86) International Application No	:PCT/US2011/047864	2)COMPAGNIE GENERALE DES ETABLISSEMENTS
Filing Date	:16/08/2011	MICHELIN
(87) International Publication No	:WO 2012/030519	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)CRON Steven M.
Number	*	2)DOTSON Michael Edward
Filing Date	:NA	3)MILES Kevin C.
(62) Divisional to Application Number	:NA	4)RHYNE Timothy Brett
Filing Date	:NA	•

#### (57) Abstract:

The present invention provides improved spoke edge geometry for a non pneumatic or hybrid tire that is less prone to fatigue when used. The present invention also provides a way to manufacture such geometry in a mold In particular the spoke edge geometry is provided with a reduced cross section that reduces the bending stresses locally and allows a unique mold construction that changes the placement and orientation of potential flash and reduces other potential molding flaws when a liquid such as polyurethane is introduced into the cavity of the mold to form a spoke. This change results in a reduction in the possibility of a stress riser being found near the edge of the spoke enhancing the durability of the tire.

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

(21) Application No.1965/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention: ANTI FATIGUE COMPOSITION OF PLANT MATERIAL AND PREPARATION METHOD USE AND PRODUCTS 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	:NA :NA :NA :NA :PCT/CN2010/075741 :05/08/2010 :WO 2012/016384	(71)Name of Applicant:  1)XIE Chen Address of Applicant: B 7 2 501 6# Xierqizhong Road Haidian Beijing 100085 China 2)ZHONG Zhong (72)Name of Inventor: 1)XIE Chen 2)ZHONG Zhong
Application Number Filing Date	:NA :NA	

# (57) Abstract:

A composition of plant material for improving symptoms of fatigue improving sleep quality and preparation method use and products thereof said composition is prepared by using Rhodiola L.20 80% Gynostemma BL.10 60% and Lycium L.10 60%.

No. of Pages: 48 No. of Claims: 12

1)SCHMIDT Sebastian

(19) INDIA

(22) Date of filing of Application :05/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: METHOD AND DEVICE FOR APPLYING INGREDIENTS IN FOOD PRODUCTION

(51) International classification
(31) Priority Document No
(32) Priority Date
(33) Name of priority country
(86) International Application
(A23P1/08,A01J25/12,A01J27/02
(71) Name of Applicant:

1)HOCHLAND SE

Address of Applicant: Kemptener Strasse 17 88178

Heimenkirch Germany
(72) Name of Inventor:

o Filing Date :19/07/2011

(87) International Publication :WO 2012/025307

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

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

(57) Abstract:

The invention relates to a method and device for introducing a visible ingredient (7, 12) into the surface of a food present as a flowable composition, in particular a hot cheese melt (1), wherein the flowable composition of the food without ingredient application is introduced into the roller gap between a guide roller (2) and a calibration roller (3) which is arranged parallel thereto, and shaped to form a food strip having a defined thickness, wherein the food strip, downstream of the roller gap, is spread on one side with the ingredient (7), by means of a spreading device (5), as same is placed on the guide roller (2), wherein the food strip (4), which has been spread on one side, is led to a further roller gap which is formed between the guide roller (2) and a pressing roller (8), wherein the ingredient (7) is pressed by means of the pressing roller (8) into the surface, and wherein the food strip is cut into individual disks, in particular after cooling.

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

(22) Date of filing of Application :05/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: CONTROL FEATURES FOR ARTICULATING SURGICAL DEVICE

(51) International classification :A61B18/14,A61B17/295

(31) Priority Document No :61/386094 (32) Priority Date :24/09/2010 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2011/052707

Filing Date :22/09/2011

(87) International Publication No :WO 2012/040430

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

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

(71)Name of Applicant:

1)ETHICON ENDO SURGERY INC.

Address of Applicant :4545 Creek Road Cincinnati OH 45242

U.S.A.

(72)Name of Inventor:

1)WORRELL Barry C. 2)HUANG Zhifan F. 3)LESKO Jason R. 4)MILLER Matthew C.

5)STROBL Geoffrey S.
6)TREES Gregory A.

7)BLACK Charles S. 8)CLEM William E. 9)HENRY Emron

10)MONTGOMERY Kevin M.

#### (57) Abstract:

An electrosurgical device includes a body an end effector a cutting member and a shaft. The end effector comprises a pair of jaws and at least one electrode that is operable to deliver RF energy to tissue clamped between the jaws. The cutting member is operable to cut tissue clamped between the jaws. The shaft includes an articulation section that is operable to selectively position the end effector at non parallel positions relative to the longitudinal axis of the shaft. The body includes a controller operable to selectively actuate the articulation section. The controller may include a rotary knob a pivoting knob or a pivoting fin among other things. An electrical coupling may contact a conductive moving member along at least two axes. A resiliently biased lever may assist a trigger in returning from an actuated position to a home position.

No. of Pages: 92 No. of Claims: 20

(22) Date of filing of Application :06/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : RELAYED CSPF COMPUTATION FOR MULTIPLE AREAS AND MULTIPLE AUTONOMOUS SYSTEMS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H04L12/56 :61/384774 :21/09/2010 :U.S.A. :PCT/IB2011/054072 :16/09/2011 :WO 2012/038871 :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)LU Wenhu 2)KINI Sriganesh 3)NARAYANAN Srikanth
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Computing a constraint based label switched path (LSP) that spans multiple areas is described. In one embodiment a router in a first one of the multiple areas computes a path segment that meets a set of one or more constraints to at least one border router of the first area that lies in a path necessary to reach the destination. The router transmits a path computation request message to a path computation element (PCE) in a second one of the areas which includes a set of one or more attributes for each computed path segment that are used by the PCE to compute one or more path segments towards the destination of the constraint based LSP. The router receives a path computation reply message from the PCE that specifies a set of one or more computed path segments that meet the set of constraints and that were computed by one or more PCEs downstream from the router. The router stitches at least one of the set of computed path segments that are specified in the path computation reply message with the path segment computed by the router to form at least part of the constraint based LSP.

No. of Pages: 31 No. of Claims: 24

(12) FATENT AFFLICATION FUBLICATION

(22) Date of filing of Application :01/03/2013 (43) Publication Date : 31/10/2014

(54) Title of the invention : OXOPIPERAZINE AZETIDINE AMIDES AND OXODIAZEPINE AZETIDINE AMIDES AS MONOACYLGLYCEROL LIPASE INHIBITORS

(51) International :C07D403/04,C07D403/14,C07D409/14

:U.S.A.

classification

(19) INDIA

(31) Priority Document :61/386777

No

(32) Priority Date :27/09/2010 (33) Name of priority

country

(86) International

Application No

:PCT/US2011/053442 :27/09/2011

Filing Date (87) International

:WO 2012/044613

Publication No

(61) Patent of Addition to
Application Number
:NA

Filing Date
(62) Divisional to

(62) Divisional to
Application Number

:NA

Filing Date :NA

(71)Name of Applicant:

1)JANSSEN PHARMACEUTICA NV

(21) Application No.1866/DELNP/2013 A

Address of Applicant: Turnhoutseweg 30 B 2340 Beerse

Belgium

(72)Name of Inventor:

1)CONNOLLY Peter J. 2)MACIELAG Mark J. 3)MCDONNELL Mark E.

4)ZHU Bin

#### (57) Abstract:

Disclosed are compounds compositions and methods for treating various diseases syndromes conditions and disorders including pain. Such compounds and enantiomers diastereomers and pharmaceutically acceptable salts thereof are represented by Formula (la) and Formula (lb) as follows: wherein Y Z and n are defined herein; and wherein Y and Z are as defined herein.

No. of Pages: 84 No. of Claims: 30

(22) Date of filing of Application :05/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: HYDRAULIC SHOVEL DISPLAY SYSTEM AND METHOD FOR CONTROLLING 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>	:2011036198 :22/02/2011 :Japan	(71)Name of Applicant:  1)KOMATSU LTD.  Address of Applicant:2 3 6 Akasaka Minato ku Tokyo 1078414 Japan (72)Name of Inventor:  1)FUKANO Ryo 2)NOMURA Azumi 3)KURIHARA Takashi 4)FUJITA Etsuo 5)ANDO Masao 6)KOIDE Toshihiro
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#### (57) Abstract:

A computing unit in a hydraulic shovel display system sets a pre scribed display range (55) for displaying to pographic data on an instructional screen. The instructional screen shows a cross-sectional lateral view of a target surface included in the display range (55), and the current position of the hydraulic shovel. On the basis of the topograpme data, the macmne data, and the cur rent position of the vehicle body, the comput ing unit calculates a starting point (Ps) posi tion nearest the vehicle body and an ending point (Pe) separated from the starting point (Ps) by the length of the maximum reach of the machine, in the cross-sectional lateral view of the target surface. The computing unit calculates a prescribed base point (Pb) posi tion of the display range (55) on the basis of the starting point (Ps) and the ending point (Pe) positions.

No. of Pages: 77 No. of Claims: 5

(21) Application No.1969/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/03/2013

(43) Publication Date: 31/10/2014

## (54) Title of the invention: PROCESS FOR TREATMENT OF RESIDUAL NUCLEIC ACIDS PRESENT ON THE SURFACE OF LABORATORY CONSUMABLES

:A61L2/20,A61L2/18,C12Q1/68 (71)Name of Applicant : (51) International classification (31) Priority Document No :1058516

(32) Priority Date :19/10/2010 (33) Name of priority country :France

(86) International Application No: PCT/IB2011/054619 Filing Date :18/10/2011

(87) International Publication No: WO 2012/052913

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

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

1)EMD MILLIPORE CORPORATION

Address of Applicant :290 Concord Road Billerica MA 01821

(72)Name of Inventor: 1)PRESSEL Marie 2)METZ Didier

(57) Abstract:

The invention relates to a new process for treatment of residual nucleic acids present on the surface of laboratory consumables. This process combines two treatment phases: i) Treating with ethylene oxide in gaseous phase; then ii) Treating said surface with hydrogen peroxide in liquid phase or in gaseous phase; The effect of this treatment is to avoid the amplification of said residual nucleic acids in particular during PGR or TMA reactions.

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

(21) Application No.2021/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/03/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: THIN FILM COMPOSITE MEMBRANES INCORPORATING CARBON NANOTUBES

(51) International classification: B01D67/00,B01D69/14,C08J5/10 (71)Name of Applicant:

:25/07/2011

(31) Priority Document No :12/895353 (32) Priority Date :30/09/2010

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

(86) International Application :PCT/US2011/045140

Filing Date

(87) International Publication :WO 2012/047359

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

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

(57) Abstract:

1)GENERAL ELECTRIC COMPANY

Address of Applicant: 1 River Road Schenectady NY 12345

U.S.A.

(72)Name of Inventor:

1)WANG Hua

2)YEAGER Gary William 3)SURIANO Joseph Anthony 4)RICE Steven Thomas

Processes for manufacturing a thin film composite membrane comprising multi wailed carbon nantubes include contacting under interfacial polymerization conditions an organic solution comprising a polyacid haide with an aqueous solution comprising a polyamine to form a thin film composite membrane on a surface of a porous base membrane; at feast one of the organic solution and the aqueous solution further including multi wailed carbon nanotubes having an outside diameter of less than about 30 nm.

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

(22) Date of filing of Application :06/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: CARBON DIOXIDE FIXATION METHOD AND CARBON DIOXIDE FIXATION APPARATUS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:B01J19/00,C01B31/20,C02F1/46 :2010193816	1)IHI Corporation
(32) Priority Date	:31/08/2010	Address of Applicant :1 1 Toyosu 3 chome Koto ku Tokyo
(33) Name of priority country	:Japan	1358710 Japan
(86) International Application No Filing Date	:PCT/JP2011/069560 :30/08/2011	<ul><li>(72)Name of Inventor:</li><li>1)IWAMOTO Tatsushi</li><li>2)AKAMINE Kenichi</li></ul>
(87) International Publication No	:WO 2012/029757	3)OKUYAMA Junichi
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Provided are a carbon dioxide fixation method and a carbon dioxide fixation apparatus, wherein seawater (7) is electrolyzed, anodic electrolyzed water (7a) and cathodic electrolyzed water (7b) that are generated fiOm the electrolysis of seawa ter are separated fiOm each other, the p H of the anodic electrolyzed water is adjusted by adding alkaline agent thereinto, carbon dioxide gas is blown into the cathodic electrolyzed water to fix the carbon dioxide gas as carbonate, and the pH-adjusted anodic electrolyzed water and the carbonate-fixed cathodic electrolyzed water are joined together and adjusted the p H thereof equivalent to a p H of seawater to discharge. In this way, the carbon dioxide fixation method and carbon dioxide fixation apparatus can be provided, which fix carbon dioxide gas with low-impact to the environment, or no concern for the re-release.

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

:NA

:NA

(19) INDIA

(22) Date of filing of Application :04/03/2013 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: CRYSTALLINE FORM OF PYRIMIDIO[6 1 A]ISOQUINOLIN 4 ONE COMPOUND

:C07D471/04,A61K31/519,A61P11/00 (71)Name of Applicant : (51) International classification 1)VERONA PHARMA PLC (31) Priority Document No :61/371892 Address of Applicant :Suite 21 Alpha House 100 Borough (32) Priority Date :09/08/2010 High Street London SE1 1LB U.K. (33) Name of priority (72)Name of Inventor: :U.S.A. 1)WALKER Michael J. A. country 2)PLOUVIER Bertrand M. C. (86) International :PCT/EP2011/063694 Application No 3)NORTHEN Julian S. :09/08/2011 Filing Date 4) FERNANDES Philippe (87) International :WO 2012/020016 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date

# (57) Abstract:

(62) Divisional to

**Application Number** 

Filing Date

The current invention is directed towards a polymorph of N {2 [(2E) 2 (mesitylimino) 9 10 dimethoxy 4 oxo 6 7 dihydro 2H pyrimido[6 1 a] isoquinolin 3(4H) yl]ethyl} urea in the form of a crystalline solid consisting of greater than 99% by weight of N {2 [(2E) 2 (mesitylimino) 9 10 dimethoxy 4 oxo 6 7 dihydro 2H pyrimido[6 1 a] isoquinolin 3(4H) yl]ethyl} urea at least 95% in the polymorphic form of a thermodynamically stable polymorph (I) of N {2 [(2E) 2 (mesitylimino) 9 10 dimetlioxy 4 oxo 6 7 dihydro 2H pyrimido[6 1 a] isoquinolin 3(4H) yl]ethyl} urea wherein said polymorph is determined by single crystal X ray structural analysis and X ray powder diffraction pattern.

No. of Pages: 68 No. of Claims: 31

(19) INDIA

(22) Date of filing of Application :05/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: SOLAR MODULE WITH LIGHT TRANSMISSIVE EDGE SEAL

(51) International classification	:H01L31/048	(71)Name of Applicant :
(31) Priority Document No	:12/874817	1)FIRST SOLAR INC.
(32) Priority Date	:02/09/2010	Address of Applicant :28101 Cedar Park Boulevard
(33) Name of priority country	:U.S.A.	Perrysburg OH 43551 U.S.A.
(86) International Application No	:PCT/US2011/050179	(72)Name of Inventor:
Filing Date	:01/09/2011	1)BULLER Benyamin
(87) International Publication No	:WO 2012/031100	2)MURPHY Stephen P.
(61) Patent of Addition to Application	:NA	3)COHEN Brian E.
Number	*	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(==\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		•

(21) Application No.1977/DELNP/2013 A

#### (57) Abstract:

A solar module with a front support a back support and a photovoltaic active material located between the front and back supports. An electrically insulative light transmissive seal is located at the peripheral edges of the front support and back support to electrically isolate the active material from the outer surfaces of the solar module.

No. of Pages: 27 No. of Claims: 61

(22) Date of filing of Application :05/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: RADIAL DIFFUSER VANE FOR CENTRIFUGAL COMPRESSORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:F04D29/44 :NA :NA :NA :PCT/EP2010/061788 :12/08/2010 :WO 2012/019650 :NA :NA :NA	(71)Name of Applicant: 1)NUOVO PIGNONE S.p.A. Address of Applicant: Via Felice Matteucci 2 I 50127 Florence Italy (72)Name of Inventor: 1)RADHAKRISHNAN Sen 2)TAPINASSI Libero 3)SVENSDOTTER Clary Susanne Ingeborg
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#### (57) Abstract:

Devices systems and methods according to exemplary embodiments provide diffusers e.g. as part of a turbo machine 300 with diffuser vanes having S shaped camber lines 408. Such S shaped camber lines 408 are defined by functions having an inflection point. Using diffuser vanes 400 having such shapes results in among other things an operation characteristic wherein a portion of the diffuser vanes 400 disposed near a leading edge 402 is substantially unloaded when operating at design conditions and wherein the load gradually increases to a maximum loading value towards a middle portion of the diffuser vanes.

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

(21) Application No.1979/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : AUTOMATED TRAFFIC ENGINEERING FOR 802.1AQ BASED UPON THE USE OF LINK UTILIZATION AS FEEDBACK INTO THE TIE BREAKING MECHANISM

(51) International classification	:H04L12/46	(71)Name of Applicant:
(31) Priority Document No	:12/877826	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
(32) Priority Date	:08/09/2010	Address of Applicant :S 164 83 Stockholm Sweden
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/IB2011/053222	1)ALLAN David Ian
Filing Date	:19/07/2011	2)MANSFIELD Scott Andrew
(87) International Publication No	:WO 2012/032424	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A method in an Ethernet Bridge for improved load distribution in an Ethernet network that includes the Ethernet Bridge including determining a first set of one or more shortest paths between each Ethernet Bridge pair in the Ethernet network selecting at least a first shortest path calculating a link utilization value for each link of the Ethernet network determining a second set of one or more shortest paths between each Ethernet Bridge pair in the Ethernet network generating a path utilization value for each shortest path selecting a second shortest path on the basis of said path utilization value whereby the selection of the second shortest in light of path utilization minimizes the standard deviation of load distribution across the entire Ethernet network.

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

(22) Date of filing of Application :06/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: HEAD RESTRAINT FOR A VEHICLE SEAT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B60N2/48 :10 2010 045 128.2 :11/09/2010 :Germany :PCT/EP2011/065636 :09/09/2011 :WO 2012/032152 :NA :NA :NA	(71)Name of Applicant:  1)JOHNSON CONTROLS GMBH  Address of Applicant: Industriestrae 20 30 51399 Burscheid Germany (72)Name of Inventor:  1)REZBARIK Miroslav  2)MARTINKA Michal  3)JAKUBEC Ivan
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#### (57) Abstract:

The invention relates to a head restraint (2) for a vehicle seat (1), wherein the head restraint (2) is disposed on a seat back (4) of the vehicle seat (1) so as to be adjustable in height in such a way that same can be adjusted from a non-usage position to a usage position. According to the invention the head restraint (2) is disposed on a retaining element (5) so that the inclination of the head restraint can be adjusted, where said retaining element is formed from a U-shaped tubular section and of which the horizontally disposed section (19) forms the axis of rotation of the head restraint (2), wherein the head restraint (2) and the retaining element (5) are coupled by means of a spring element (12) in such a way that a biasing force of the spring element (12) is applied to the head rest (2), wherein sections of the spring element (12) engage in respective cutouts (22) disposed on both sides in the region of rounded portions (21) of the retaining element (5), and the biasing force generated in this way rotates a lower end of the head rest (2) automatically in the direction of the retaining element (5) as the head rest (2) is moved from the nonusage position to the usage position.

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

(19) INDIA

(22) Date of filing of Application :04/03/2013

(21) Application No.1929/DELNP/2013 A

(43) Publication Date: 31/10/2014

#### (54) Title of the invention: COOLER ARRANGEMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</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>	:F02M25/07 :10 2010 045 259.9 :14/09/2010 :Germany :PCT/EP2011/065050 :31/08/2011 :WO 2012/034866	(71)Name of Applicant: 1)PIERBURG GMBH Address of Applicant: Alfred Pierburg Strae 1 41460 Germany (72)Name of Inventor: 1)KHNEL Hans Ulrich 2)CORBACH Peter 3)HSGES Hans J <sup>1</sup> / <sub>4</sub> rgen
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(61) Patent of Addition to Application Number Filing Date	:NA :NA	JANS GER MAINS & /Argen
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Cooler arrangements are known for connecting to an exhaust gas manifold or an exhaust gas outlet of an engine block of an internal combustion machine having an exhaust gas cooler, having an exhaust gas channel (16) and a coolant jacket mounted on the engine block or on the exhaust gas manifold, an exhaust gas recirculation valve (6) by means of which the exhaust gas flow can be regulated, and an actuator (12) by means of which the exhaust gas recirculation valve (6) can be actuated, said actuator being disposed on the side of the exhaust gas recirculation valve (6) opposite the exhaust gas cooler. Often, for such arrangements, the problem of too great a thermal load on actuators in limited available installation space occurs. In order to prevent said problem, the invention proposes that a coolant channel segment (48) fluidically connected to the coolant jacket of the exhaust gas cooler is disposed between the exhaust gas manifold or the engine block and the actuator (12) of the exhaust gas recirculation valve (6).

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

(22) Date of filing of Application :05/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: UNIVERSAL VEHICLE MANAGEMENT SYSTEM

(51) International classification	:G07B13/02,G07B15/02	(71)Name of Applicant :
(31) Priority Document No	:61/401337	1)WORLD MOTO INC.
(32) Priority Date	:10/08/2010	Address of Applicant :1777 Moo 5 Soi Sukhumvit 107
(33) Name of priority country	:U.S.A.	Sukhumvit Road North Sumrong Amphur Muang Samut Prakan
(86) International Application No	:PCT/US2011/001401	10270 Thailand
Filing Date	:08/08/2011	(72)Name of Inventor:
(87) International Publication No	:WO 2012/021162	1)ZIOMKOWSKI Christopher Louis
(61) Patent of Addition to Application	:NA	2)GILES Paul Anthony
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.1984/DELNP/2013 A

# (57) Abstract:

(19) INDIA

A universal vehicle management apparatus that can be installed on any means of conveyance including means of conveyance where installation would result in significant exposure to environmental hazards and including a rating system that can handle complex fare calculations from a plurality of sensors.

No. of Pages: 46 No. of Claims: 28

(21) Application No.1985/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: SHOWERHEAD WITH MULTI DIMENSIONAL FLUID DISPENSERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A47K3/28 :61/387399 :28/09/2010 :U.S.A. :PCT/US2011/053699 :28/09/2011 :WO 2012/050894 :NA :NA :NA	(71)Name of Applicant:  1)MASCO CORPORATION OF INDIANA Address of Applicant:55 East 111th Street Indianapolis IN 46280 U.S.A. (72)Name of Inventor: 1)SPANGER Anthony 2)PATTON Paul 3)MARTY Garry R. 4)JOHNSON Brian
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# (57) Abstract:

A showerhead assembly including a first fluid dispensing unit including a plurality of first fluidic devices and a second fluid dispensing unit removably coupled to the first fluid dispensing unit and including a plurality of second fluidic devices. The first fluidic devices and the second fluidic devices each provide a multi dimensional spray pattern.

No. of Pages: 47 No. of Claims: 30

(22) Date of filing of Application :05/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: DYNAMIC PERFORMANCE CONTROL OF PROCESSING NODES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:25/08/2011 :WO 2012/027584 :NA :NA	(71)Name of Applicant:  1)ADVANCED MICRO DEVICES INC.  Address of Applicant: One AMD Place P.O. Box 3453  Sunnyvale Ca 94088 U.S.A.  (72)Name of Inventor:  1)BRANOVER Alexander  2)STEINMAN Maurice  3)BIRCHER William L.
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An apparatus and method for performance control of processing nodes is disclosed. In one embodiment a system includes a processing node and a power management unit configured to for each of a plurality of time intervals monitor an activity level of the processing node cause the processing node to operate at a high operating point during one successive time interval if the activity level in the given interval is greater than a high activity threshold operate at a low operating point at least one successive time interval if the activity level is less than a low activity threshold or enable operating system software to cause the processing node to operate at one of one or more predefined intermediate operating points of the plurality of operating points if the activity level is less than the high activity threshold and greater than the low activity threshold.

No. of Pages: 47 No. of Claims: 30

(21) Application No.2036/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: LOW POWER RESIDENTIAL HEATING SYSTEM

(51) International classification	:F24D19/10,G05D23/19	(71)Name of Applicant:
(31) Priority Document No	:1057292	1)COMMISSARIAT A LENERGIE ATOMIQUE ET AUX
(32) Priority Date	:14/09/2010	ENERGIES ALTERNATIVES
(33) Name of priority country	:France	Address of Applicant :25 rue Leblanc Btiment le Ponant D F
(86) International Application No	:PCT/EP2011/065724	75015 Paris France
Filing Date	:12/09/2011	(72)Name of Inventor:
(87) International Publication No	:WO 2012/034965	1)PAULUS Cdric
(61) Patent of Addition to Application	:NA	2)LEFRANCOIS Florent
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a method for managing the heating of a building from a heating system provided with a low power generator characterized in that the method includes a step (E3) of starting up the generator in advance when there are no occupants in the building so as to achieve a future comfort setpoint at a future moment (H) while taking into account the energy (Egnrateur\_H) available to the generator up until said future moment (H) and the energy (E) required to reach the future comfort setpoint within the building at said future moment (H).

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

(71)Name of Applicant:

(19) INDIA

(22) Date of filing of Application :05/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : CATALYST COMPONENT FOR OLEFIN POLYMERIZATION REACTION AND CATALYST THEREOF

1) CHINA PETROLEUM & CHEMICAL CORPORATION Address of Applicant :No. 22 Chaoyangmen North Street (51) International classification :C08F4/651,C08F110/06 Chaoyang District Beijing 100728 China (31) Priority Document No :201010251555.5 2)BEIJING RESEARCH INSTITUTE OF CHEMICAL (32) Priority Date :12/08/2010 INDUSTRY CHINA PETROLEUM & CHEMICAL (33) Name of priority country :China CORPORATION (86) International Application No :PCT/CN2011/001346 (72)Name of Inventor: Filing Date :12/08/2011 1)GAO Mingzhi (87) International Publication No :WO 2012/019438 2)LI Changxiu (61) Patent of Addition to Application :NA 3)LIU Haitao Number 4)LI Xianzhong :NA Filing Date 5)ZHANG Xiaofan (62) Divisional to Application Number :NA 6)CAI Xiaoxia Filing Date :NA 7) CHEN Jianhua 8)MA Jing 9)MA Jixing

#### (57) Abstract:

A catalyst component for olefin polymerization which contains magnesium, titanium, halogen and electron donors is provided in the present invention. The electron donors are selected from at least 5 one succinate compounds of following general formula (I), and the content of said succinate compounds with the structure as shown in Formula (II) in said succinate compounds (I) is less than 100%, but not less than 51.0wt%. Compared with the mesomer whose content with the structure as shown in Formula (II) is 100%, the catalyst component provided by the present invention not only greatly decreases the manufacturing cost, but also improves certain properties of the catalyst, for 10 example the molecular weight distribution of polymer obtained by catalytic reaction using said catalyst is wider, which is beneficial for improving processing properties of polymers. The corresponding catalyst is also provided.

No. of Pages: 29 No. of Claims: 19

(21) Application No.1983/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/03/2013

(43) Publication Date: 31/10/2014

#### (54) Title of the invention: ELECTRODEPOSITION COATINGS INCLUDING A LANTHANIDE SERIES ELEMENT FOR USE **OVER ALUMINUM SUBSTRATES**

(51) International :C25D13/04,C25D13/20,C08G59/30classification

(31) Priority Document No :12/876591

(32) Priority Date :07/09/2010 (33) Name of priority country: U.S.A.

(86) International :PCT/US2011/050167 Application No

:01/09/2011 Filing Date

(87) International Publication :WO 2012/033700

(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)PPG INDUSTRIES OHIO INC.

Address of Applicant :3800 West 143rd Street Cleveland Ohio

44111 U.S.A.

(72)Name of Inventor: 1)PEFFER Robin M.

2)RAKIEWICZ Edward F.

# (57) Abstract:

A process for applying a coating on aluminum substrates by anionic or cationic electrodeposition of an electrodeposition coating including an aqueous dispersion of one or more lanthanide series elements having a +3/+4 oxidation state and phosphated epoxy resin made by phosphating a polyepoxide with both phosphoric acid and an organophosphonic acid and/or an organophosphinic acid. The coating has a reduced tendency to form pinholes.

No. of Pages: 25 No. of Claims: 23

(21) Application No.2033/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/03/2013 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: CELLULAR NETWORK

(51) International classification :H04W28/22,I (31) Priority Document No :12/870176 (32) Priority Date :27/08/2010 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2011/046786

Filing Date :05/08/2011 (87) International Publication No :WO 2012/027085

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

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

:H04W28/22,H04W76/02 (71)Name of Applicant :

1)HARRIS CORPORATION

Address of Applicant :1025 W. NASA Blvd. MS A 11I

Melbourne Florida 32919 U.S.A.

2)TELEFONAKTIEBOLAGET L M ERICSSON

(72)Name of Inventor: 1)MONNES Peter

2)HENGEVELD Thomas Andrew

3)MARTELL Micael

#### (57) Abstract:

Systems (200) and methods for providing voice communications over a cellular network (204 212). A call setup message is communicated from a first communication device (FCD) to a second communication device (SCD) on a first communications channel (FCC) in a cellular network (CN) at a first data transfer rate (FDTR). In response to the call setup message a stimulator packet is communicated to the CN on FCC at FDTR. The stimulator packet includes data of an amount that equals or exceeds a threshold value. In response to the stimulator packet FCD (202 214) and CN transition from a first channel mode to a second different channel mode. In the second channel mode data is transmitted on a second communications channel (SCC) in CN at a second data transfer rate (SDTR) different than FDTR.

No. of Pages: 47 No. of Claims: 14

(22) Date of filing of Application :06/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : DEVICES AND METHODS FOR INTRAVAGINAL DELIVERY OF DRUGS AND OTHER SUBSTANCES

(51) International classification :A61K31/737,A61K9/14 (71)Name of Applicant : 1)THE UNIVERSITY OF UTAH RESEARCH (31) Priority Document No :61/375671 (32) Priority Date :20/08/2010 **FOUNDATION** (33) Name of priority country :U.S.A. Address of Applicant :615 Arapeen Drive Suite 310 Salt Lake (86) International Application No :PCT/US2011/048453 City UT 84108 U.S.A. Filing Date (72)Name of Inventor: :19/08/2011 (87) International Publication No :WO 2012/024605 1)KISER Patrick F. (61) Patent of Addition to Application 2)OMEL Vlad G. :NA Number 3)PRATHER Leland J. :NA Filing Date 4)DAMIAN Festo (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The present technology provides intravaginal devices designed to intravaginally deliver difficult to formulate water soluble molecules and macromolecules for a sustained period of time. The devices include a chamber having at least one orifice and containing a sustained release formulation. Such formulations include a water swellable polymer and an intravaginally administrable substance. Methods of making and using the devices are also provided.

No. of Pages: 43 No. of Claims: 31

(21) Application No.2035/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/03/2013 (43) Publication Date: 31/10/2014

#### (54) Title of the invention: LIQUID CONTAINER WITH TAP AND CONNECTOR WITH CHECK VALVE

(51) International :F16K15/04,F16L37/407,B67D3/04 classification

(31) Priority Document No :61/383542 (32) Priority Date :16/09/2010 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2011/051530

:14/09/2011

Filing Date (87) International Publication :WO 2012/037203

No

(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)FRES CO SYSTEM USA INC.

Address of Applicant :3005 State Road Telford Pennsylvania

18969 1033 U.S.A. (72)Name of Inventor: 1)PRITCHARD Barry

#### (57) Abstract:

A package system (20) for dispensing a flowable material into a conduit (10) of a dispensing apparatus. The package system includes a package (22) and a connector (26). The package e.g. a bag in box comprises a hollow bag (28) and a tap fitment (24) for enabling the contents of the bag to flow out when the fitment is open. The connector (26) includes an automatic shut off valve (44) and is arranged to be fixedly secured to the conduit of the dispensing apparatus and releasably secured to the fitment. The valve is arranged to enable the flow of flowable material from the package into the conduit when the fitment is open while preventing any of that material from flowing out of the conduit when the connector is disconnected from the fitment.

No. of Pages: 12 No. of Claims: 16

(22) Date of filing of Application :01/03/2013 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: IMPROVED METHOD FOR ISOMERISATION OF HOP ALPHA ACIDS TO ISO ALPHA ACIDS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C12C3/12 :1016430.9 :30/09/2010 :U.K. :PCT/EP2011/067055 :29/09/2011 :WO 2012/041994 :NA :NA :NA	(71)Name of Applicant:  1)IFAST NV  Address of Applicant :Innovative Flavor & Aroma Science & Technology Koutergat 2 B 1760 Roosdaal Belgium (72)Name of Inventor:  1)DE VOS Dirk  2)MERTENS Pascal
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#### (57) Abstract:

The invention relates to a process for the production of iso alpha acids starting from alpha acids in which an alpha acid containing hop extract is mixed with a carbon containing chemical compound with one or more functional groups containing a (basic) nitrogen atom with a lone pair (or mixtures thereof) either in solvent free conditions or in the presence of solvents and preferably under an oxygen free atmosphere. The resulting mixture is subjected to a temperature of at least 278 K for a time sufficient to effect the intended conversion of the alpha acid reactant into the iso alpha acid product. The present invention further relates to iso alpha acid compositions obtained by said improved isomerisation process and to the use of said iso alpha acid compositions as bittering formulation and/or as source to obtain reduced or hydrogenated iso alpha acid compositions.

No. of Pages: 37 No. of Claims: 15

(19) INDIA

(22) Date of filing of Application :04/03/2013

(21) Application No.1936/DELNP/2013 A

(43) Publication Date: 31/10/2014

# (54) Title of the invention: INTELLIGENT NURSING MACHINE

(51) International classification	:A61F5/44	(71)Name of Applicant:
(31) Priority Document No	:201010265666.1	1)HANGZHOU YINAO INTELLIGENCE TECHNOLOGY
(32) Priority Date	:25/08/2010	CO. LTD.
(33) Name of priority country	:China	Address of Applicant :2/F No. 3911 Binsheng Road Binjiang
(86) International Application No	:PCT/CN2011/070457	District HangZhou Zhejiang 310007 China
Filing Date	:21/01/2011	2)ZHEJIANG XINFENG MEDICAL APPARATUS CO.
(87) International Publication No	:WO 2012/024907	LTD.
(61) Patent of Addition to Application	:NA	(72)Name of Inventor:
Number	:NA	1)YING Jiawei
Filing Date	.IVA	2)CHEN Hui
(62) Divisional to Application Number	:NA	3)HU Jie
Filing Date	:NA	

#### (57) Abstract:

An intelligent nursing machine includes an excrement collector (1) a sewage collector (3) and a connecting pipeline (2) connected between the excrement collector (1) and the sewage collector (3). The excrement collector (1) includes a wearing part (4) and a silicon sleeve (5) arranged on the wearing part (4). The silicon sleeve (5) includes at least two corrugated layers (6) and a skin contact layer (7) on an outer side of corrugated layers (6) and two adjacent corrugated layers (6) are overlapped with each other. The wearing part (4) includes a wearing front part (41) and a wearing rear part (42) so as to form an excrement collecting port (43). The excrement collecting port (43) snuggly conforms to the lower torso of a patient so as to prevent excrement of the patient from back or side leakage thus reducing cleaning burden for a nursing staff.

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

(21) Application No.1989/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/03/2013 (43) Publication Date: 31/10/2014

#### (54) Title of the invention: LOW GRADE HEAT RECOVERY FROM PROCESS STREAMS FOR POWER GENERATION

(51) International classification :F22B33/18,F22B1/18,F01K7/00 (71)Name of Applicant:

(31) Priority Document No :12/852832 (32) Priority Date :09/08/2010

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

(86) International Application :PCT/US2011/046071 No

:01/08/2011 Filing Date

(87) International Publication No: WO 2012/021314

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)UOP LLC

3)ZHU Xin X.

Address of Applicant: 25 East Algonquin Road P.O. Box 5017

Des Plaines Illinois 60017 5017 U.S.A.

(72)Name of Inventor: 1)ULAS ACIKGOZ Saadet 2)HOEHN Richard K.

#### (57) Abstract:

Methods are described for generating electrical power from low grade heat sources from refining and petrochemical processes including overhead vapors from vapor liquid contacting apparatuses such as distillation columns absorbers strippers quenching towers scrubbers etc. In many cases these overhead vapors exit the apparatuses at a temperature from 90C (194F) to 175C (347F). Rather than rejecting the low temperature heat contained in these vapors to cooling air and/or cooling water the vapors may instead be used to evaporate an organic working fluid. The vapors of the working fluid may then be sent to a turbine to drive a generator or other load.

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

(21) Application No.2040/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: SURGICAL IMPLANT

(51) International :A61B17/064,A61B17/068,A61B17/11 classification

(31) Priority Document No: 61/416668 (32) Priority Date :23/11/2010 (33) Name of priority :U.S.A.

country

(86) International

:PCT/US2011/057885 Application No

:26/10/2011 Filing Date

(87) International :WO 2012/071129 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)SYNTHES GMBH

Address of Applicant: Eimattstrasse 3 CH 4436 Oberdorf

Switzerland

2)SYNTHES USA LLC (72)Name of Inventor: 1)BOUDUBAN Nicolas 2)BURKI Patrick 3)LECHMANN Beat 4)FINK Christian

(57) Abstract:

A surgical implant for fixing a soft tissue to a bone comprising a staple and a plate. The staple and the plate are positionable on an instrument in such a way that the plate may be manipulated with the instrument to hold the soft tissue against the bone and in such a way that the staple is fixable to the bone with the plate positioned between a bridge of the staple and the soft tissue when legs of the staple are driven through the plate and into the bone.

No. of Pages: 23 No. of Claims: 25

(21) Application No.2041/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: HEAT EXCHANGER

<ul><li>(51) International classification</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>	:F28D9/00,F28F3/08 :20101249 :07/09/2010 :Norway :PCT/NO2011/000238	(71)Name of Applicant:  1)SPERRE COOLERS AS  Address of Applicant: N 6057 Ellings, y Norway  2)PLEAT AS  (72)Name of Inventor:
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:07/09/2010 :Norway	Address of Applicant :N 6057 Ellings, y Norway 2)PLEAT AS

#### (57) Abstract:

The present invention relates to a modular system for heat exchange between fluids the system comprising a plurality of open elements (3) which by means of two end plates (2) are connected together. An open element (3) according to the present invention is constituted of a folded and sealed sheet material (13) that is arranged in an open frame (17).

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

(22) Date of filing of Application :28/12/2012 (43) Publication Date : 31/10/2014

# (54) Title of the invention: Anti-IL-23 heterodimer specific antibodies

(51) International classification	·C12P	(71)Name of Applicant :
(31) Priority Document No	:2010903234	1)Cephalon Australia Pty Ltd
(32) Priority Date	:20/07/2010	Address of Applicant :Level 2 37 Epping Road Macquarie
(33) Name of priority country	:Australia	Park New South Wales 2113 Australia
(86) International Application No	:PCT/AU2011/000923	(72)Name of Inventor:
Filing Date	:20/07/2011	1)CLARKE Adam William
(87) International Publication No	: NA	2)DOYLE Anthony G
(61) Patent of Addition to Application	:NA	3)POLLARD Matthew
Number	:NA	4)TRAN Stephen
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The present disclosure provides an isolated or recombinant IL-23-binding protein comprising an antigen binding domain of an antibody wherein the antigen binding domain specifically binds to IL-23 but does not significantly bind to an IL-12p40 subunit and does not significantly bind to an IL-23p19 subunit when they are not components of IL-23. The present disclosure also provides uses of the IL-23-binding protein.

No. of Pages: 171 No. of Claims: 49

(21) Application No.1886/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :01/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention: NON INVASIVE VIBROTACTILE MEDICAL DEVICE TO RESTORE NORMAL GAIT FOR PATIENTS SUFFERING FROM PERIPHERAL NEUROPATHY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:10/04/2012 :WO 2012/142041 :NA :NA	(71)Name of Applicant:  1)WALKJOY INC.  Address of Applicant: 266 St. Joseph Avenue Long Beach California 90803 U.S.A. (72)Name of Inventor:  1)TOMLINSON Blain 2)ECKHOUS David 3)EDNEY Daniel B. 4)RUMSEY Royce
Filing Date	:NA	

#### (57) Abstract:

Provided is a comfortable and discrete device wearable by a patient to restore balance and gait. The device re establishes the sensorimotor loop by providing the patient with a secondary signal to healthy nerves around the knee to alert the patient that the patient s heel has just struck the ground. In this regard the device monitors the patient s leg movements to detect when the patient s heel strikes the ground and sends the secondary signal i.e. vibrotactile stimulation in response to the detected heel strike. The central nervous system incorporates the new signal and the motor system responds as if there is not loss of sensation in the foot and returns to its normal gait.

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

(19) INDIA

(22) Date of filing of Application :01/03/2013

(21) Application No.1887/DELNP/2013 A

(43) Publication Date: 31/10/2014

# (54) Title of the invention: SIDE BY SIDE VEHICLE

(51) International classificatio (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	:PCT/US2011/046395 :03/08/2011 :WO 2012/018896 :NA :NA	(72)Name of Inventor: 1)SAFRANSKI Brian M. 2)PETERSON Robbi L. 3)SUNSDAHL Richard L. 4)DECKARD Aaron D. 5)BRADY Louis J. 6)NOWACKI Phillip A. 7)GILLINGHAM Brian R. 8)KOFSTAD Tracy S. 9)SMITH Mark A. 10)KJAER Curtis R. 11)NELSON Stephen L. 12)HOLLMAN Keith A. 13)MAHER Jeffrey M. 14)MCNUTT Kevin A.
		,

#### (57) Abstract:

A side by side vehicle comprising a frame and a plurality of ground engaging members is provided. The side by side vehicle further includes an operator area having seating and operator controls and a cargo carrying portion located rearward of the operator area. A floor of the cargo carrying portion includes a movable cover to provide access underneath the cargo carrying portion.

No. of Pages: 106 No. of Claims: 80

(21) Application No.1940/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 04/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: LUBRICIOUS COATINGS FOR MEDICAL DEVICES

(51) International :A61L29/08,A61L31/10,A61N1/375 classification

(31) Priority Document No :12/877233 (32) Priority Date :08/09/2010 (33) Name of priority country: U.S.A.

(86) International Application: PCT/GB2011/001291

No :02/09/2011 Filing Date

(87) International Publication :WO 2012/032283

(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)Biointeractions Ltd

Address of Applicant : University of Reading Science and Technology Centre Earley Gate Whiteknights Road Reading

Berkshire RG6 6BZ U.K. (72)Name of Inventor: 1)SANDHU Shivpal S.

2)RHODES Alan 3)ONIS Simon Jon

#### (57) Abstract:

Substrates may be coated with copolymers of N vinyl pyrroiidinone and aryl ketones. Processes are described for making the copolymers at high molecular weight with the ketones randomly dispersed on the copolymer.

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

(21) Application No.1941/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/03/2013 (43) Publication Date: 31/10/2014

#### (54) Title of the invention: FIXING ELEMENT FOR LOCKING A HINGED HAND CRANK ON THE INPUT SHAFT OF A SUPPORT WINCH FOR A SEMI TRAILER

(51) International classification :B60S9/08,G05G1/08,F02N1/02 (71)Name of Applicant :

(31) Priority Document No :10 2010 062 489.6

(32) Priority Date :07/12/2010 (33) Name of priority country :Germany

(86) International Application No :PCT/EP2011/067980

Filing Date :14/10/2011 (87) International Publication No: WO 2012/076221

(61) Patent of Addition to :NA

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

:NA Number :NA Filing Date

1)SAF HOLLAND GMBH

Address of Applicant : Hauptstrae 26 63856 Bessenbach

(72)Name of Inventor: 1)WEBER Elmar

#### (57) Abstract:

The invention relates to a fixing element (30) for locking a hinged hand 5 crank (20) on the input shaft (10) of a support winch for semi-trailers, wherein the hand crank (20) is fastened to the input shaft (10) in an articulated manner and can pivot between at least one folded-in rest position and at least one folded-out usage position. According to the invention, said fixing element (30) has a fastening section (31) for fastening 10 to the hand crank (20) and a spring bar (33) connected to the fastening section (31) on which at least one locking section (34) is formed, wherein the locking section (34) reaches over the end face of the input shaft (10) in a formfitting manner in a folded-out usage position of the hand crank (20) and is simultaneously pulled against said end face of the input shaft (10) 15 (F).

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

(22) Date of filing of Application :06/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: METHOD AND SYSTEM FOR DETERMINING OPERATING STATES OF A MOTOR VEHICLE

(51) International classification	,	(71)Name of Applicant:
(31) Priority Document No	:10510527	1)Scania CV AB
(32) Priority Date	:07/10/2010	Address of Applicant :S 151 87 Sdertlje Sweden
(33) Name of priority country	:Sweden	(72)Name of Inventor:
(86) International Application No	:PCT/SE2011/051187	1)WALLEB,,CK Peter
Filing Date	:04/10/2011	2)ERIKSSON Nils
(87) International Publication No	:WO 2012/047166	3)JERHAMMAR Andreas
(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 method for determining operating states (D, S) of a motor vehicle (1) comprising the step of determining a speed state (V) of the vehicle, comprising the steps of comparing (S33, S52, S37) said speed state 5 (V) with a predetermined vehicle speed (VL, VH), determining (S36, S40, S34, S38, S53) an operating state (D, S) on the basis of said comparison, and providing information about whether the operating state determined is a stationary state (S) or a travelling state (D). The invention relates also to a system for determining operating states of a motor vehicle. The invention 10 relates also to a motor vehicle.

No. of Pages: 26 No. of Claims: 17

(22) Date of filing of Application :05/03/2013 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: INTEGRATING A NEW SUBSYSTEM WITH AN EXISTING COMPUTING ARCHITECTURE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:G09B9/02 :1013362.7 :09/08/2010 :U.K. :PCT/GB2011/051501 :09/08/2011 :WO 2012/020252 :NA :NA	(71)Name of Applicant:  1)QUADRANT SYSTEMS LIMITED  Address of Applicant: Victoria Gardens Burgess Hill West Sussex RH15 9NB U.K. (72)Name of Inventor:  1)REEVES Andrew John
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Apparatus for integrating a new subsystem with an existing computing architecture, the apparatus comprises a first physical interface for receiving data from the existing computing apparatus, a second physical interface for outputting data to the new subsystem; a processing means, and memory having stored thereon a first software module, a plurality of other software modules, and a first stored configuration, wherein the first software module, when executed by the processing means, is configured to read the first stored configuration and to cause the processing means to load a combination of ones of the plurality of other software modules and a first subset of the combination of ones of the plurality of other software modules being defined by the first stored configuration, the first subset of the combination being operable, when executed by the processing means, to transform data received at the first physical interface into a form that is compatible with the new subsystem and to output the transformed data to the new subsystem, via the second physical interface.

No. of Pages: 88 No. of Claims: 28

(22) Date of filing of Application :05/03/2013 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: ANTI OX40 ANTIBODIES AND METHODS OF USING THE SAME

(51) International classification :C07K16/28,C12N15/13,A61K39/395

(31) Priority Document No :61/375999 (32) Priority Date :23/08/2010 (33) Name of priority

country :U.S.A.

(86) International

Application No :PCT/US2011/048752

Filing Date :23/08/2011

(87) International Publication No :WO 2012/027328

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

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

(71)Name of Applicant:

1)BOARD OF REGENTS THE UNIVERSITY OF TEXAS

SYSTEM

Address of Applicant :201 West 7th Street Austin TX 78701

U.S.A.

(72)Name of Inventor:

1)LIU Yong Jun 2)VOO Kui Shin 3)BOVER Laura

4)TSURUSHITA Naoya

5)TSO J. Yun

6)KUMAR Shankar

#### (57) Abstract:

Human antibodies preferably recombinant human antibodies both humanized and chimeric which specifically bind to human OX40 are disclosed. Preferred antibodies have high affinity for OX40 receptor and activate the receptor in vitro and in vivo. The antibody can be a full length antibody or an antigen binding portion thereof. The antibodies or antibody portions are useful for modulating receptor activity e.g. in a human subject suffering from a disorder in which OX40 activity is detrimental. Nucleic acids vectors and host cells for expressing the recombinant human antibodies are provided and methods of synthesizing the recombinant human antibodies are also provided.

No. of Pages: 126 No. of Claims: 19

(22) Date of filing of Application :05/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: HYDRAULIC SHOVEL POSITION GUIDE SYSTEM AND METHOD FOR CONTROLLING 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>	:E02F9/20,E02F9/26 :2011036200 :22/02/2011 :Japan :PCT/JP2012/052831 :08/02/2012 :WO 2012/114871 :NA :NA	(71)Name of Applicant:  1)KOMATSU LTD.  Address of Applicant: 2 3 6 Akasaka Minato ku Tokyo 1078414 Japan (72)Name of Inventor:  1)FUKANO Ryo 2)FUJITA Etsuo 3)ANDO Masao
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#### (57) Abstract:

The present invention addresses the pro Diem o i providing: a hydraulic shovel position guiae system with which it is possible to easily move a hydraulic shovel to a position appropriate for an operation; and a method for controlling the same. A hydraulic shovel position guide system, wherein an optimal operation position computing unit calculates a vemcle body position as the optimal operation position so as to maximize an excavatable range (79), the range where a target surface (70) and an operability range (76) overlap. The display unit displays an instructional screen showing the optimal operation position.

No. of Pages: 63 No. of Claims: 11

(22) Date of filing of Application :06/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : HYDROGEN ABSORBING ALLOY NEGATIVE POLE AND NICKEL HYDROGEN SECONDARY BATTERY

(51) International classification: C22C19/00,H01M4/38,B22F1/00 (71)Name of Applicant: (31) Priority Document No 1)SANTOKU CORPORATION :2010200315 (32) Priority Date :19/08/2010 Address of Applicant :14 34 Fukae Kitamachi 4 chome Higashinada ku Kobe shi Hyogo 6580013 Japan (33) Name of priority country :Japan (86) International Application (72)Name of Inventor: :PCT/JP2011/068780 1)OTSUKI Takayuki :19/08/2011 Filing Date 2)HAYASHI Hiroki (87) International Publication :WO 2012/023610 No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

Provided are: a hydrogen absorbing alloy which suppresses elution 0 1 Co, Mn, and A l etc. to an alkali electrolyte, is highly corrosion resistant, and can be industrially produced with fewer costs by reducing Co; a nickel-hydrogen secondary-bat tery negative pole in which the hydrogen absorbing alloy is used; and a nickel-hydrogen secondary battery provided with the neg ative pole. The hydrogen absorbing alloy of the present invention comprises: a C a type crystal phase a s the main phase; a com position expressed by RNi a O A l n dSn e f ( R denotes an element including at least one lanthanoid element including Y , R e s sentially includes La, M denotes at least one element o f Ti, Zr, Fe, Cu, and Nb, 3.70<a<5.10, 0<b<0.55, 0.00<c<0.45, 0.00<d<0.20, 0.05<e<0.25, 0.00<f<0.25, and 4 .90<a+b+c+d+e+f<5.50); and a structure in which a precipitation phase o f 5.0 mih or greater is not present in mapping images o f Sn and L a that have a magnification of X800 and are obtained by an area analysis, performed using an EPMA, of the cross-sectional structure of the hydrogen absorbing alloy.

No. of Pages: 59 No. of Claims: 10

(21) Application No.1973/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : HYDRAULIC SHOVEL OPERABILITY RANGE DISPLAY DEVICE AND METHOD FOR CONTROLLING SAME

(31) Priority Document No:2011036199(32) Priority Date:22/02/2011(33) Name of priority country:Japan	(71)Name of Applicant: 1)KOMATSU LTD. Address of Applicant: 2 3 6 Akasaka Minato ku Tokyo 1078414 Japan (72)Name of Inventor: 1)FUKANO Ryo 2)ASADA Hisashi 3)KURIHARA Takashi
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#### (57) Abstract:

The present invention addresses the problem 0f providing a hydraulic shovel operability range display device capable of displaying an appropriate operability range even when the vehicle body is leaning. A hydraulic shovel operability range display device, wherein, in the case that the vehicle body is horizontal, a computing unit sets the boundary line (84) formed between the operability range and the region below the vehicle to the vertical direction in a global coordinate system. In the case that the vehicle body is leaning forward, the computing unit sets the boundary line (84) so as to maintain the vertical direction in the global coordinate system. In the case that the vehicle body is leaning to the rear, the computing unit corrects the boundary line (84) in a manner such that the angle formed between the grouna level (GL) on which the vehicle body is positioned and the boundary line (84) is 90 or greater.

No. of Pages: 48 No. of Claims: 2

(21) Application No.2024/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/03/2013 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: FLEXIBLE BAG CONTAINING UNIT DOSE ARTICLES'

(51) International :B65D75/00,B65D75/46,B65D75/52

classification .B03D73/00,B03D73/40,B03D73/3

(31) Priority Document No :12/885825 (32) Priority Date :20/09/2010 (33) Name of priority country:U.S.A.

(86) International :PCT/US2011/052263

Application No Filing Date :PC1/05201

(87) International Publication :WO 2012/040145

No . W G 2012

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

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

(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)CAMARGO PARODI Gustavo Jose

2)READ Brett Taylor

3)KOPULOS Christopher Robert

#### (57) Abstract:

A flexible sealed bag (10) containing a plurality of at least partially water soluble unit dose articles (100) comprises a front panel (30) a back panel (50) and a bottom panel. The front panel and the back panel may be marginally joined together along at least two opposed edges (35a 55a) to be in a confronting relationship to form the closed bag. The front and back panels are joined at the top of the bag by a frangible seal (20). The bottom panel is intermediate to the front panel and back panel and is joined to each of them.

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

(21) Application No.2025/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: IMPROVED ORDERING AND PAYMENT SYSTEMS

(51) International classification	:G06Q30/00,G06Q20/00	(71)Name of Applicant:
(31) Priority Document No	:2010903508	1)OGILVY Ian Charles
(32) Priority Date	:06/08/2010	Address of Applicant :9/3 Wulumay Close Rozelle New South
(33) Name of priority country	:Australia	Wales 2039 Australia
(86) International Application No	:PCT/AU2011/001006	(72)Name of Inventor:
Filing Date	:08/08/2011	1)OGILVY Ian Charles
(87) International Publication No	:WO 2012/016300	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a method and apparatus for processing a product transaction. An order system is provided which independently stores orders generated by a customer in a customer order repository. A customer order repository is associated with a customer order repository ID which identifies the customer order repository. When shopping the customer selects a product and provides the customer order repository ID to the vendor. The vendor provides the COR ID to the order processing system together with information identifying the product. The order processing system then communicates with a customer device via a customer interface such as a client App. The customer confirms the order and the order processing system processes payment. Details of order processing and other information relating to the order may be published on social network sites and communicated to the customer and to the vendor.

No. of Pages: 71 No. of Claims: 29

(19) INDIA

(22) Date of filing of Application :06/03/2013 (43) P

(21) Application No.2026/DELNP/2013 A

(43) Publication Date: 31/10/2014

# (54) Title of the invention: FILTER WITH AUTOMATIC DECLOGGING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B01D25/26 :1057029 :03/09/2010 :France :PCT/FR2011/051991 :31/08/2011 :WO 2012/028824 :NA :NA :NA	(71)Name of Applicant:  1)ALFA LAVAL MOATTI  Address of Applicant: La Clef Saint Pierre 10 rue du Marchal de Lattre de Tassigny F 78990 Elancourt France (72)Name of Inventor:  1)CHRUPALLA Jean Claude
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#### (57) Abstract:

The invention includes an arrangement of distribution columns that can be used to discharge the declogging fluid from a filter with automatic declogging. According to the invention, a fixed distributor (47) is positioned coaxially to a stack (115) of filtering elements and comprises different ducts, for example formed by fins (48) establishing a communication between a rotary distributor (65) and groups of passages in the stack, aligned along generatrices thereof.

No. of Pages: 24 No. of Claims: 9

(21) Application No.2074/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: COOLING DEVICE

(51) International :H01L23/473,H01L23/36,H05K7/20

classification (31) Priority Document No :2010186552

(32) Priority Date :23/08/2010 (33) Name of priority country: Japan

(86) International Application: PCT/JP2011/065226

:01/07/2011 Filing Date

(87) International Publication :WO 2012/026217

No (61) Patent of Addition to

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

(62) Divisional to Application Number :NA Filing Date

:NA

(71)Name of Applicant:

1)SANOH INDUSTRIAL CO. LTD.

Address of Applicant : 1 23 23 Ebisu Shibuya ku Tokyo

1500013 Japan

(72)Name of Inventor: 1)GOTOU Naoya 2)ISAGO Hidenori 3)TAKAHASHI Yuuki

(57) Abstract:

The present invention provides a cooling device wherein it is possible to have a thinner lid section. A cooling device according to the first embodiment of the present invention is provided with: a frame shaped frame section; a lid section which closes an opening in the frame section; a supply port which is provided in the frame section and which supplies refrigerant into the frame section; an outlet which is provided in the frame section and which discharges refrigerant within the frame section to the outside; and an extension section to which the lid section is fixed and which extends from the inner side surface of the frame section and forms a flow path in the frame section through which the refrigerant flows.

No. of Pages: 29 No. of Claims: 6

(21) Application No.1975/DELNP/2013 A

1)SUMITOMO WIRING SYSTEMS LTD.

Address of Applicant: 1 14 Nishisuehiro cho Yokkaichi shi

(71)Name of Applicant:

Mie 5108503 Japan

(72)Name of Inventor:

1)FUKAYA Hiroki

(19) INDIA

(22) Date of filing of Application :05/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: CONNECTOR HOLDER

(51) International :H01R13/74,B60R16/02,H01R13/46

classification ::H01R13/74,B00R10/02,F (31) Priority Document No :2010228743

(32) Priority Date :08/10/2010
(33) Name of priority country:Japan

(86) International Application: PCT/JP2011/057604

Filing Date :28/03/2011

(87) International Publication :WO 2012/046467

No (61) Patent of Addition to ...

Application Number Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA

(2011

# (57) Abstract:

A connector holaer 25) suitable ior use when connecting wire harnesses (10 and 12) to each other by mating a plurality of connectors (40A through 40C and 4 1A through 41C). Said connector holder: is fitted into and af fixed to a through-hole (2a) in a vehicle body panel (2) that creates partitions; contains and holds a plurality of connectors (40A through 40C) connected to wires in a wire harness (10) routed on one side of said vehicle body panel; and mates said connectors to connectors (41 A through 41C) for a wire harness (12) routed on the other side of the vehicle body panel.

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

(22) Date of filing of Application :05/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: MANAGING DATA SELECTION BASED ON ATTRIBUTES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>(22) Principped to Application Number</li> </ul>	:12/09/2011 :WO 2012/034128 :NA :NA	(71)Name of Applicant:  1)AB INITIO TECHNOLOGY LLC Address of Applicant: 201 Spring Street Lexington Massachusetts 02421 U.S.A. (72)Name of Inventor: 1)VIGNEAU Joyce L.
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An interface (108 118) is provided on a computing device (106) for interacting with data stored in a data repository (102). Input is received including information identifying two or more attributes and information indicating an order for the identified attributes. A hierarchical data structure is stored with an order of hierarchy levels corresponding to the indicated order. Multiple attribute values for the attributes are determined. The method includes assigning to each node of a first level at least one of the attribute values of a first attribute and assigning to each node of a second level at least one of the attribute values of a second attribute each of the nodes of the second level also being assigned respective ones of the attribute values assigned to one or more nodes of preceding levels. The interface is displayed including displaying interface elements (113 117 123 128) associated with each of the nodes.

No. of Pages: 51 No. of Claims: 30

(21) Application No.2027/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: FUEL CAP BREATHER APPARATUS

(51) International classification	:B60K15/035,B60K15/04	(71)Name of Applicant :
(31) Priority Document No	:12/877750	1)CATERPILLAR INC.
(32) Priority Date	:08/09/2010	Address of Applicant :100 N.E. Adams Street Peoria IL 61629
(33) Name of priority country	:U.S.A.	9510 U.S.A.
(86) International Application No	:PCT/US2011/049836	(72)Name of Inventor:
Filing Date	:31/08/2011	1)OLATERU Isaiah I.
(87) International Publication No	:WO 2012/033681	2)ALLOTT Mark T.
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

An improved breather apparatus for use on fuel tanks is disclosed. The breather apparatus may include a mounting base including a valve seat and at least one venting cavity a valve mounted on the valve seat and a cover operatively associated with the mounting base. The cover may include at least one venting cavity connected to the venting cavity of the mounting base. The breather apparatus may also include an air filter operatively connected to the valve. Methods of assembling and using the disclosed breather apparatus are also disclosed.

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

(22) Date of filing of Application :06/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: VEHICLE SEAT COMPRISING A HEAD RESTRAINT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B60N2/48 :10 2010 044 357.3 :03/09/2010 :Germany :PCT/EP2011/065181 :02/09/2011 :WO 2012/028711 :NA :NA	(71)Name of Applicant:  1)JOHNSON CONTROLS GMBH  Address of Applicant: Industriestrae 20 30 51399 Burscheid  Germany (72)Name of Inventor:  1)VOLANEK Peter  2)MCKENNA John  3)JAKUBEC Ivan  4)OSKA Radovan
(61) Patent of Addition to Application	:NA	3)JAKUBEC Ivan

#### (57) Abstract:

In a vehicle seat (1) comprising a head restraint (1.1) and a seat back (1.2), the head restraint (1.1) can be moved between a usage position (PI) and a non-usage Po sition (P2). According to the invention, at least one interfering element (1.6) is pivotably mounted inside the seat back (1.2) by means of a pivoting device (3), wherein in the non-usage Position (P2) the head restraint (1.1) positions the at least one interfering element (1.6) of the seat back (1.2) in such a way that the interfering element (1.6) forms at least one contact point (BP) with the torso (2.2) of a vehicle occupant located on the vehicle seat (1).

No. of Pages: 21 No. of Claims: 11

(22) Date of filing of Application :07/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : METHOD FOR ADJUSTING THE ROTATIONAL SPEED OF A WIND TURBINE AND WIND TURBINE

(51) International classification	:F03D7/04	(71)Name of Applicant :
(31) Priority Document No	:10 2010 041 508.1	1)REPOWER SYSTEM SE
(32) Priority Date	:28/09/2010	Address of Applicant :berseering 10 22297 Hamburg Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:PCT/EP2011/004350	1)HANSEN Marco
Filing Date	:30/08/2011	2)WARFEN Karsten
(87) International Publication No	:WO 2012/041430	
(61) Patent of Addition to Application	:NA	
Number	*	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Abstract:		

#### (57) Abstract:

The invention relates to a method for operating a wind turbine (10), wherein during operation the wind turbine (10) supplies power, wherein the wind turbine (10) is operated with variable rotational speed between a predeterminable minimum rotational speed and a predeterminable maximum rotational speed, wherein a characteristic variable (51) of an oscillation of the wind turbine (10) or | of a part of the wind turbine (10) is detected. The invention further relates to a wind turbine (10) having a tower (14) and a rotor (13), wherein a generator (26) operable with variable rotational speed is provided, wherein an open-loop or closed-loop control device (36, 50) is provided, which is designed for the open-loop control or closed-loop control of the rotational speed of the rotor (13) between a minimum rotational speed and a maximum rotational speed during a power-supplying operation of the wind turbine, and wherein a sensor (40) for detecting a characteristic variable (51) of an oscillation of the wind turbine (10) or of a part of the wind turbine (10) is also provided. The method according to the invention is characterized in that the minimum rotational speed is changed depending on the characteristic value (51) of the oscillation. The wind turbine according to the invention is characterized in that the minimum rotational speed is alterable or is altered depending on the characteristic variable (51) of the oscillation, in particular by the open-loop or closed-loop control device (36, 50).

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

(22) Date of filing of Application :06/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : NOVEL D3 DOPAMINE RECEPTOR AGONISTS TO TREAT DYSKINESIA IN PARKINSON S DISEASE

(51) International classification	:A61K31/4184	(71)Name of Applicant :
(31) Priority Document No	:61/372733	1)PHILADELPHIA HEALTH & EDUCATION
(32) Priority Date	:11/08/2010	CORPORATION
(33) Name of priority country	:U.S.A.	Address of Applicant :d/b/a Drexel University College Of
(86) International Application No	:PCT/US2011/047263	Medicine 245 N. 15th Street Philadelphia PA 19102 U.S.A.
Filing Date	:10/08/2011	2)UNIVERSITY OF MEDICINE AND DENTISTRY NEW
(87) International Publication No	:WO 2012/021629	JERSEY MEDICAL SCHOOL
(61) Patent of Addition to Application	·N A	(72)Name of Inventor:
Number		1)KORTAGERE Sandhya
Filing Date	.IVA	2)KUZHIKANDAHIL Eldo V.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
Number Filing Date (62) Divisional to Application Number	*	

#### (57) Abstract:

The present invention provides a method of inhibiting suppressing or preventing levodopa induced dyskinesia in a patient suffering from Parkinson's Disease comprising the step of administering to the patient a pharmaceutical composition comprising at least one compound of the invention. The present invention further provides a method of inhibiting suppressing or preventing Parkinson's Disease in a patient comprising the step of administering to the patient a pharmaceutical composition comprising at least one compound of the invention.

No. of Pages: 129 No. of Claims: 21

(21) Application No.2071/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention: METHOD FOR OPTIMIZING THE OPERABILITY OF AN AIRCRAFT PROPULSIVE UNIT AND SELF CONTAINED POWER UNIT FOR IMPLEMENTING SAME

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	n:F02C6/08,B64D13/06,B64D41/00 :1056764 :25/08/2010	<ul><li>(71)Name of Applicant:</li><li>1)TURBOMECA</li><li>Address of Applicant :BP 2 F 64510 Bordes France</li></ul>
(33) Name of priority country	:France	(72)Name of Inventor:
(86) International Application No Filing Date	:PCT/FR2011/051944 :23/08/2011	1)HAILLOT Jean Michel
(87) International Publication No	:WO 2012/025688	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

The aim of the invention is to remove the mechanical bleed constraints in the engines during the transient flight phases of an aircraft in order to optimize the operability of the engine assembly during said phases. To this end, a supply of power is provided, particularly during said phases, by an additional indirectly 10 propulsive engine power source. The method for optimizing the operability of the propulsive unit of an aircraft comprising main engines (200) as main drive sources involves, using a main engine power unit GPP (1) as a power source, providing all the nonpropulsive power (Enp) and also involves, during the transient engine phases, at 15 most partially providing additional power (kEp, ktEpt) to the body HP of the main engines (200). Fig. 2b

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

:NA

(19) INDIA

(22) Date of filing of Application :07/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : DEVICE FOR RECHARGING AN AUTOMOBILE BATTERY AND METHOD FOR MANAGING THE DEVICE

(51) International classification :B60L11/18,H02J7/02,H02J7/06 (71)Name of Applicant : (31) Priority Document No :FR1057103 1)RENAULT S.A.S. (32) Priority Date Address of Applicant: 13 15 Quai Le Gallo F 92100 Boulogne :07/09/2010 (33) Name of priority country billancourt France :France (86) International Application No: PCT/FR2011/051866 (72)Name of Inventor: Filing Date :03/08/2011 1)GATI Mehdi (87) International Publication No: WO 2012/032241 2)KETFI CHERIF Ahmed (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number

## (57) Abstract:

Filing Date

A device (1) for charging a battery (13) comprising: a resistive inductive capacitive type filter stage (2) to be connected to a three phase network a voltage buck stage (3) and a voltage boost stage (4) to be connected to the battery (13) as well as an induction coil (Ld) disposed between the buck stage (3) and the boost stage (4). The device (1) comprises a regulating unit (15) which can impose chopping duty cycles on the voltage buck (3) and boost (4) stages. The regulating unit (15) comprises: means (16) for compensating the phase shift induced by the filter stage (12) between the currents (Ie Ie Ie) and the voltages (Ve Ve Ve) tapped off from each phase (B B B) of the three phase network and means (16 17) for maintaining the amplitude value of the current passing through the coil (Ld) above a predefined nonzero threshold.

No. of Pages: 44 No. of Claims: 10

(22) Date of filing of Application :07/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: SERVO ASSISTED ACTUATING SYSTEM FOR A MULTISPEED GEARBOX OF A 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA :NA :PCT/EP2010/005495 :08/09/2010 :WO 2012/031612 :NA :NA	(71)Name of Applicant:  1)KONGSBERG AUTOMOTIVE AS Address of Applicant: Dymyrgata 48 N 3601 Kongsberg Norway (72)Name of Inventor: 1)BJOERKGARD Sven 2)NORHEIM Daniel 3)MLLER Bert
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

The invention relates servo assisted actuating system for a multispeed gearbox comprising a servo cylinder a cable (1) adapted to be connected to a lever at one end portion and to be connected to an actuating component by a coupling mechanism at its other end portion to transmit cable movements to actuating movements of the actuating arm and a control valve controlled by the actuating component to selectively supply pressurized fluid to the servo. According to the invention the actuating component is an actuating arm (2) which extends from an inner chamber of the servo cylinder to the outside thereof wherein the actuating arm has disposed along its length a bearing portion (2) that is disposed in a bearing and wherein bearing position and bearing are adapted to allow actuating movements of the actuating arm and to allow movements of the actuating arm (2) along its longitudinal direction between an operative position in which the actuating arm is operable to control the control valve by actuating movements and a shifted release position; wherein the coupling mechanism comprises two coupling members (3 6) which are disposed within the inner chamber and moveable relative to each other between an open position and an engaged position in which the coupling members (3 6) are able to engage and hold an end portion of the cable disposed therebetween; wherein the coupling mechanism and the actuating arm are arranged to cooperate such that movement of the actuating arm (2) from its release position to its operative position brings the coupling members (3 6) from the open position to the engaged position on the end portion of the cable (1).

No. of Pages: 49 No. of Claims: 16

(21) Application No.1980/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention: DRUG AND METHOD FOR THE PROPHYLAXIS OF HIV INFECTION AND FOR THE PROPHYLAXIS AND TREATMENT OF DISEASES CAUSED BY OR ASSOCIATED WITH HIV INCLUDING AIDS

:A61K39/00,A61P31/18 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)EPSHTEIN Oleg Ilich :2010133045 (32) Priority Date :06/08/2010 Address of Applicant: 4 i Samotechny per. 3 72 Moscow (33) Name of priority country 127473 Russia :Russia 2)TARASOV Sergei Alexandrovich (86) International Application No :PCT/RU2011/000523 (72)Name of Inventor: Filing Date :15/07/2011 (87) International Publication No :WO 2012/018284 1) EPSHTEIN Oleg Ilich (61) Patent of Addition to Application 2)TARASOV Sergei Alexandrovich :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The drag for the prophylaxis of HIV infection and for the prophylaxis and treatment of diseases caused by or associated with HIV, including AIDS, comprises an activated, potentiated form of antibodies to a protein or peptide of the immune system which interacts with the HIV or has a content and/or functional activity which changes in connection with an HIV infection. Furthermore, in the method for the prophylaxis of HIV infection and for the prophylaxis and treatment of diseases caused by or associated with HIV, including AIDS, use is made of an activated, potentiated form of antibodies to an antigen, namely a protein or peptide of the immune system, which interacts with the HIV or has a content and/or functional activity which changes in connection with an HIV infection.

No. of Pages: 41 No. of Claims: 19

(21) Application No.2030/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/03/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: NEMATOCIDAL SULFONAMIDES

:NA

:NA

:NA

:NA

(51) International classification	:A01N43/54,A01N43/58,A01N43/60	(71)Name of Applicant: 1)E. I. DU PONT DE NEMOURS AND COMPANY
(31) Priority Document No	:61/394080	Address of Applicant :1007 Market Street Wilmington
(32) Priority Date	:18/10/2010	Delaware 19898 U.S.A.
(33) Name of priority	:U.S.A.	(72)Name of Inventor:
country	.U.S.A.	1)LAHM George P.
(86) International	:PCT/US2011/054868	2)PAHUTSKI JR Thomas Francis
Application No	:05/10/2011	
Filing Date	.03/10/2011	
(87) International	:WO 2012/054233	
Publication No	. W O 2012/034233	
(61) Patent of Addition to	·N A	

### (57) Abstract:

Application Number

Filing Date (62) Divisional to

Application Number

Filing Date

Disclosed are compounds of Formula 1, iV-oxides, and salts thereof, wherein Z is O or S; A1, A2, A3 and A4 are independently N or CR1, provided that only one of A1, A2, A3 and A4 is N; and R1, R2, R3 and Q are as defined in the disclosure. Also disclosed are compositions containing the compounds of Formula 1 and methods for controlling a parasitic nematode comprising contacting the parasitic nematode or its environment with a biologically effective amount of a compound or a composition of the invention.

No. of Pages: 103 No. of Claims: 14

(22) Date of filing of Application :06/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: FRICTIONAL DAMPER FOR REDUCING ELEVATOR CAR MOVEMENT

(51) International classification	:B66B5/18,B66B11/02,B66B7/04	(71)Name of Applicant:
(31) Priority Document No	:NA	1)OTIS ELEVATOR COMPANY
(32) Priority Date	:NA	Address of Applicant :Ten Farm Springs Farmington
(33) Name of priority country	:NA	Connecticut 06032 U.S.A.
(86) International Application	:PCT/US2010/061809	(72)Name of Inventor:
No	:22/12/2010	1)FARGO Richard N.
Filing Date	.22/12/2010	2)YOUNG Daniel S.
(87) International Publication	:WO 2012/087312	3)ROMAIN Jason K.
No	. W O 2012/00/312	4)TERRY Harold
(61) Patent of Addition to	:NA	5)ROBERTS Randall Keith
Application Number	:NA	6)ADIFON Leandre
Filing Date		
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date		

## (57) Abstract:

An exemplary device for use in an elevator system includes at least one friction member that is selectively moveable into a damping position in which the friction member is useful to damp movement of an elevator car associated with the device. A solenoid actuator has an armature that is situated for vertical movement. The armature moves upward when the solenoid is energized to move the friction member into the damping position. The armature mass urges the armature in a downward vertical direction causing the friction member to move out of the damping position when the solenoid is not energized.

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

(22) Date of filing of Application :06/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : METHOD OF PRODUCING TETRAHYDROFURAN DERIVATIVES BY HYDROGENATION OF FURANS

(51) International classification	:C07D307/12,C07B61/00	(71)Name of Applicant:
(31) Priority Document No	:2010197169	1)NATIONAL INSTITUTE OF ADVANCED
(32) Priority Date	:02/09/2010	INDUSTRIAL SCIENCE AND TECHNOLOGY
(33) Name of priority country	:Japan	Address of Applicant :3 1 Kasumigaseki 1 chome Chiyoda ku
(86) International Application No	:PCT/JP2011/070039	Tokyo 1008921 Japan
Filing Date	:02/09/2011	(72)Name of Inventor:
(87) International Publication No	:WO 2012/029949	1)SHIRAI Masayuki
(61) Patent of Addition to Application	:NA	2)MORIYA Satomi
Number	:NA	3)MURAKAMI Yuka
Filing Date	.INA	4)SATO Osamu
(62) Divisional to Application Number	:NA	5)YAMAGUCHI Aritomo
Filing Date	:NA	6)HIYOSHI Norihito

#### (57) Abstract:

In the disclosed novel technique for producing, by hyarogenation of furans, tetrahydrofuran derivatives, which are hydro genated products produced by hydrogenation of the starting materials furfural or ruryl alcohol. The method of producing the aforementioned hydrogenated products involves a step of using furfural or furfuryl alcohol, a supported palladium catalyst and hydrogen, with carbon dioxide optionally added to these, in a hydrogenation reaction with water as a solvent to produce tetrahy drofuran derivatives, the hydrogenated products. The disclosed novel technique for producing industrially important tetrahydrofu ran derivatives such as furfuryl alcohol and tetrahydro furfuryl alcohol makes it possible to efficiently produce said tetrahydrofuran derivatives with an environmentally mendly process.

No. of Pages: 34 No. of Claims: 6

(22) Date of filing of Application :07/03/2013 (43) Publication Date : 31/10/2014

(54) Title of the invention : METHOD AND APPARATUS TO IMPROVE LDP CONVERGENCE USING HIERARCHICAL LABEL STACKING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H04L12/56 :12/886439 :20/09/2010 :U.S.A. :PCT/IB2011/054070 :16/09/2011 :WO 2012/038870 :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant: S 164 83 Stockholm Sweden (72)Name of Inventor: 1)KINI Sriganesh 2)DSOUZA Pramodh
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method for improving LDP (Label Distribution Protocol) convergence time in an MPLS (Multi Protocol Label Switching) network is described. An hierarchical LSP is established to transport packets belonging to a FEC attached to an egress LSR. The hierarchical LSP includes an egress LSR LSP that is common for each of the FECs attached to the egress LSR and forms a path from the ingress LSR through one or more intermediate LSRs to the egress LSR. The egress LSR LSP is used when label switching packets destined for the FECs attached to the egress LSR. The hierarchical LSP also includes a unique FEC LSP for each FEC that is used by the egress LSR to identify and forward packets to that FEC. Responsive to a topology change that changes a next hop of the ingress LSR to reach the egress LSR the ingress LSR modifies an entry in a forwarding structure to change the next hop for the egress LSR LSP and does not modify substantially any forwarding structure entities for the FEC LSPs. LDP convergence time is reduced through a reduction of forwarding structure modifications after the topology change.

No. of Pages: 46 No. of Claims: 20

(21) Application No.1988/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: HETEROARYLS AND USES THEREOF

	(71)Name of Applicant:
:A61K31/33,A61K31/425	1)MILLENNIUM PHARMACEUTICALS INC.
:61/372594	Address of Applicant :40 Landsdowne Street Cambridge MA
:11/08/2010	02139 U.S.A.
:U.S.A.	(72)Name of Inventor:
:PCT/US2011/047407	1)FREEZE Brian S.
:11/08/2011	2)HIROSE Masaaki
:WO 2012/021696	3)HU Yongbo
·NI A	4)HU Zhigen
	5)LEE Hong Myung
.NA	6)SELLS Todd B.
:NA	7)SHI Zhan
:NA	8)VYSKOCIL Stepan
	9)XU Tianlin
	:61/372594 :11/08/2010 :U.S.A. :PCT/US2011/047407 :11/08/2011 :WO 2012/021696 :NA :NA

# (57) Abstract:

This invention provides compounds of formula (IA a) or (IB a) and subsets thereof: wherein Z HY R1 R2 Gi W n and A and subsets thereof are as described in the specification. The compounds are inhibitors of PI3K and are thus useful for treating proliferative inflammatory or cardiovascular disorders.

No. of Pages: 390 No. of Claims: 132

(21) Application No.2039/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/03/2013 (43) Publication Date : 31/10/2014

(54) Title of the invention: WAVE ENERGY CONVERSION

(51) International classification :F03B13/18,F04B9/02,F04B9/06 (71)Name of Applicant:

(31) Priority Document No :2010903674 (32) Priority Date :16/08/2010

(33) Name of priority country : Australia

(86) International Application No:PCT/AU2011/001045

Filing Date :16/08/2011

(87) International Publication No :WO 2012/021926

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

(62) Divisional to Application Number :NA

Filing Date

(71)Name of Applicant : 1)CETO IP PTY LTD

Address of Applicant: Level 1 16 Ord Street West Perth

Western Australia 6005 Australia

(72)Name of Inventor:

1)FIEVEZ Jonathan Pierre

2)ALLEN Greg John

3)MANN Laurence Drew

#### (57) Abstract:

Apparatus (10) for harnessing ocean wave energy in a body of water (11) in which the apparatus incorporates provision for relieving excessive loadings on components of the wave energy conversion system for the purpose of avoiding damage thereof in adverse wave conditions. The apparatus (10) includes a buoyant actuator (14) and a pump (15) anchored within the body of water typically on the seabed 13. The apparatus (10) is operable in a closed loop mode wherein fluid at high pressure is pumped ashore by the pump (15) energy is extracted as useful work at an on shore plant (17) and the resultant reduced pressure fluid is returned to the offshore pump (15) to be re energised. The buoyant actuator (14) is operably connected to the pump (15) by tether (19) and is buoyantly suspended within the body of water (11) above the pump (15). The buoyant actuator (14) is provided with a connection means (61) adapted to provide a yieldingly resilient connection between the hollow body (21) and the tether (19). The connection means (6)1 comprises a damping means (63) configured to maintain a substantially rigid connection between the hollow body (21) and the tether (19) until such time as loading therebetween exceeds a prescribed load whereupon the damping means (63) facilitates limited relative movement therebetween to relieve the loading. Additionally or alternatively the apparatus (10) incorporates provision for controlling operation of the pump (15) for dissipation of energy for damping purposes in response to an excessive loading condition.

No. of Pages: 49 No. of Claims: 58

(22) Date of filing of Application :07/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: CARTRIDGE AND PRINTING MATERIAL SUPPLY 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>		(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:
(86) International Application No Filing Date	:PCT/JP2012/001410 :01/03/2012	(72)Name of Inventor : 1)NOZAWA Izumi
(87) International Publication No	:WO 2013/105145	2)KODAMA Hidetoshi
(61) Patent of Addition to Application Number	:NA	3)MIZUTANI Tadahiro 4)MATSUZAKI Kazutoshi
Filing Date	:NA	5)HARADA Kazumasa
(62) Divisional to Application Number Filing Date	:NA :NA	6)NAKATA Satoshi 7)KAWATA Hidetaka

#### (57) Abstract:

A printing material supply system includes a printing device and a cartridge. The printing device has a cartridge mounting structure. The cartridge is removably attached to the cartridge mounting structure. The cartridge mounting structure has a device-side terminal, a lever, a first device-side locking element and a second device-side locking element. The device-side terminal is configured to contact with a cartridge-side terminal. The first device-side locking element is configured as part of the lever. The second device-side locking element is configured to engage with a second locking surface of a second cartridge-side locking element. The cartridge-side terminal has a cartridge-side contact portion configured to be in contact with the device-side terminal. The cartridge-side contact portion is provided on the negative Z-axis side of the second locking surface.

No. of Pages: 158 No. of Claims: 73

(22) Date of filing of Application :07/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: CARTRIDGE AND PRINTING MATERIAL SUPPLY 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>	:01/03/2012 :WO 2013/105144	(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)NOZAWA Izumi  2)KODAMA Hidetoshi 3)MIZUTANI Tadahiro
<u> </u>		,
(87) International Publication No	:WO 2013/105144 :NA	2)KODAMA Hidetoshi
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	5)HARADA Kazumasa 6)NAKATA Satoshi 7)KAWATA Hidetaka

#### (57) Abstract:

A printing material supply system (10) includes a printing device (50) and a cartridge (20). The printing device (50) has a cartridge mounting structure (600). The cartridge (20) is removably attached to the cartridge mounting structure (600). The cartridge mounting structure (600 has a device side terminal (700) a lever (800) a first device side locking element (810) and a second device side locking element (620). The first device side locking element (810) is configured as part of the lever (800) to lock the cartridge (20)at a position on a positive Z axis side and on a positive X axis side of the device side terminal (700). The second device side locking element (620) is configured to lock the cartridge (20) at a position on a positive Z axis side and on a negative X axis side of the printing material supply tube (640).

No. of Pages: 151 No. of Claims: 72

(22) Date of filing of Application :06/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : ARRANGEMENT FOR INTRODUCING A LIQUID MEDIUM INTO EXHAUST GASES FROM A COMBUSTION ENGINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:F01N3/20 :10510485 :06/10/2010 :Sweden :PCT/SE2011/051178 :04/10/2011 :WO 2012/047159 :NA :NA	(71)Name of Applicant:  1)SCANIA CV AB (PUBL)  Address of Applicant :SE 151 87 Sdertlje Sweden (72)Name of Inventor:  1)LOMAN Peter
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Arrangement for introducing a liquid medium into exhaust gases from a combustion engine, comprising - a mixing duct (2), - first flow guide means (3) for creating a first exhaust vortex in the mixing duct such that the exhaust gases in this first exhaust vortex rotate in a first direction of rotation during their movement downstream in the mixing duct, - an injection means (5) for injecting the liquid medium in the form of a finely divided spray into exhaust gases which are led into the liquid medium in an exhaust flow at the centre of the first vortex, and - second flow guide means (4) for creating a second exhaust vortex in the mixing duct concentrically with and externally about the first vortex, such that the exhaust gases in this second vortex rotate in a second direction of rotation, which is opposite to said first direction of rotation, during their movement downstream in the mixing duct.

No. of Pages: 17 No. of Claims: 7

(21) Application No.2044/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: EROSION RESISTANT COATING COMPOSITIONS

(51) International classification :C08G18/12,C08G18/40,C08G18/42

(31) Priority Document No :10 2010 044 935.0
(32) Priority Date :10/09/2010
(33) Name of priority country:Germany

(86) International :PCT/EP2011/065545

Application No Filing Date :08/09/2011

(87) International Publication :WO 2012/032113

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

(62) Divisional to
Application Number
Filing Date
:NA

(71)Name of Applicant:

1)BASF COATINGS GMBH

Address of Applicant :Glasuritstr. 1 48165 M1/4nster Germany

(72)Name of Inventor:
1)KAUNE Martin
2)HOLTERS Bianca
3)HOHNHOLZ Dieter

(57) Abstract:

The invention relates to a composition which comprises at least one polyol component having a hydroxyl group content of 9% to 15% by weight relative to the total weight of the polyol component and at least one isocyanate component having a free isocyanate group content of 10% to 15% by weight relative to the total weight of the isocyanate component. The polyol component comprises at least one polyol which is selected from the group of the polyether polyols polyester polyols and polyether polyester polyols. The isocyanate component comprises at least one di or polyisocyanate terminated polylactone prepolymer. The composition can be used as erosion resistant coating material.

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

(22) Date of filing of Application :08/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: SPARKPLUG FOR AN INTERNAL COMBUSTION ENGINE

(51) International classification	:H01T13/44	(71)Name of Applicant:
(31) Priority Document No	:1057206	1)RENAULT S.A.S.
(32) Priority Date	:10/09/2010	Address of Applicant :13 15 quai Le Gallo F 92100 Boulogne
(33) Name of priority country	:France	Billancourt France
(86) International Application No	:PCT/FR2011/052057	(72)Name of Inventor:
Filing Date	:08/09/2011	1)PARIENTE Marc
(87) International Publication No	:WO 2012/032268	2)AGNERAY Andr
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)JAFFREZIC Xavier
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a sparkplug (10) comprising an induction coil (28) and an electrode (24). Said induction coil (28) has two end portions (30 32) (34) said electrode (24) extending in the continuation of one of said two end portions (32). Said induction coil (28) has a conducting wire (36) wound to form a succession of turns (44 45 58 60) said one of said two end portions (32) having a terminal turn (58) connected to said electrode (24). According to the invention said one of said two end portions (32) comprises a plurality of coaxial end turns (45) which extend between said terminal turn (58) and an upstream turn (60) and said terminal turn (58) has a diameter D58 smaller than the diameter D60 of said upstream turn (60) so as to be able to reduce the strength of the electric field induced in said one of said two end portions (32) near said terminal turn (58).

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

(22) Date of filing of Application :08/03/2013 (43) Publication Date : 31/10/2014

(54) Title of the invention : SURGICAL INSTRUMENT WITH TRIGGER ASSEMBLY FOR GENERATING MULTIPLE ACTUATION MOTIONS

(51) International classification :A61B18/14,A61B17/295,A61B17/068

(31) Priority Document No:61/386094

(32) Priority Date :24/09/2010

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

(86) International

Application No :PCT/US2011/053028

:NA

Filing Date :23/09/2011

(87) International Publication No :WO 2012/040600

(61) Patent of Addition to
Application Number :NA

Application Number
Filing Date
(62) Divisional to
Application Number

NA
:NA
:NA
:NA

(71)Name of Applicant:

1)ETHICON ENDO SURGERY INC.

Address of Applicant :4545 Creek Road Cincinnati OH 45242

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(72)Name of Inventor:

1)BAXTER III Chester O. 2)ARONHALT Taylor W.

3)YOUNG Joseph E.

4)SHELTON IV Frederick E. 5)JOHNSON Gregory W. 6)WORRELL Barry C.

7)MILLER Matthew C.

#### (57) Abstract:

Filing Date

A surgical instrument that has an actuation system that is configured to generate at least two separate actuation motions. A clutch assembly is movable between an engaged position wherein the clutch assembly is in operable engagement with the actuation system and an unengaged position. In various forms the surgical instrument includes a manually actuatable trigger assembly that interfaces with the clutch assembly and the actuation system such that a first stroke of the trigger assembly causes the actuation system to generate a first one of the actuation motions and moves the clutch assembly from the unengaged position to the engaged position whereupon a second stroke of the trigger assembly causes the actuation system to generate another one of the actuation motions.

No. of Pages: 81 No. of Claims: 22

(21) Application No.11432/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/12/2012 (43) Publication Date : 31/10/2014

# (54) Title of the invention : METABOLICALLY ENGINEERED ORGANISMS FOR THE PRODUCTION OF ADDED VALUE BIO PRODUCTS

(51) International :C12N15/52,C12P19/18,C12P19/26

classification (31) Priority Document No :10169304.2 (32) Priority Date :12/07/2010

(33) Name of priority country: EPO

(86) International Application :PCT/EP2011/061891

No :12/07/2011

Filing Date

(87) International Publication :WO 2012/007481

NO
((1) Potent of Addition to

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

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

(71)Name of Applicant:
1)UNIVERSITEIT GENT

Address of Applicant :Sint Pietersnieuwstraat 25 B 9000 Gent

Belgium

(72)Name of Inventor:

1)MAERTENS Jo 2)BEAUPREZ Joeri 3)DE MEY Marjan

### (57) Abstract:

The present invention relates to genetically engineered organisms especially microorganisms such as bacteria and yeasts for the production of added value bio products such as specialty saccharide activated saccharide nucleoside glycoside glycolipid or glycoprotein. More specifically the present invention relates to host cells that are metabolically engineered so that they can produce said valuable specialty products in large quantities and at a high rate by bypassing classical technical problems that occur in biocatalytical or fermentative production processes.

No. of Pages: 116 No. of Claims: 28

(22) Date of filing of Application :01/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: COLD ROLLED STEEL SHEET AND PROCESS FOR PRODUCTION THEREOF

(51) International classification: C21D9/46,C22C38/00,C22C38/60 (71) Name of Applicant: (31) Priority Document No :2010186146 (32) Priority Date :23/08/2010

(33) Name of priority country: Japan

(86) International Application :PCT/JP2011/068854

:22/08/2011 Filing Date

(87) International Publication :WO 2012/026419

(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)HATA Kengo

2)TOMIDA Toshiro

3)IMAI Norio

#### (57) Abstract:

A cold-rolled steel sheet having a refined structure in which grain growth 1 during annealing is suppressed has a chemical composition containing, in mass percent, C: 0.01 - 0.3%, Si: 0.01 - 2.0%, Mn: 0.5 - 3.5%, Nb: 0 - 0.03%, Ti: 0 - 0.06%, V: 0 - 0.3%, sol. Al: 0 -2.0%, Cr: 0 - 1.0%, Mo: 0 - 0.3%, B: 0 - 0.003%, Ca: 0 - 0.003%, and REM: 0.003%, and a microstructure which contains at least 50% by area of ferrite as a main phase and has a second phase containing at least 10% by area of a low temperature transformation phase and 0 - 3% by area of retained austenite and which satisfies the following Equations (1) - (3), in addition to a particular texture. dm < 2.7 + 10000/(5+300xC+50xMn+4000xNb+2000xTi+400xV)2 (1), dm < 4.0 (2), and ds < 1.5 (3), wheren dm is the average grain diameter (um) of ferrite defined by a high angle grain boundary having a tilt angle of at least 15°, and ds is the average grain diameter (um) of the second phase.(unit: mpi)

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

(21) Application No.1891/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :01/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: VEHICLE DOOR HANDLE COMPRISING AN INERTIAL MASS

(51) International classification :E05B65/20,E05B65/12 (71)Name of Applicant : (31) Priority Document No 1)VALEO SPA :MI2010A001598 (32) Priority Date :02/09/2010 Address of Applicant : Via Asti n° 89 Santena (TO) Italy (33) Name of priority country (72)Name of Inventor: :Italy (86) International Application No :PCT/EP2011/004425 1)ROCCI Antonio 2)LESUEUR Guillaume Filing Date :02/09/2011 (87) International Publication No :WO 2012/028325 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The vehicle door handle (2) is arranged in such a way that an inertial mass (18) in the handle passes irreversibly from a rest configuration in which it allows the door to be opened into a locking configuration in which it prevents opening and passes from the locking configuration into an unlocked configuration different from the rest configuration and from the locking configuration the handle being arranged so that placement of the inertial mass (18) in the unlocking configuration has the effect of it once again being possible for the door to be opened.

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

(21) Application No.2000/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: AN ELECTROLYTE FORMULATION FOR USE IN PHOTOELECTROCHEMICAL DEVICES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:2010904758 :26/10/2010 :Australia	(71)Name of Applicant:  1)DYESOL INDUSTRIES PTY LTD  Address of Applicant: 11 Aurora Ave Queanbeyan New South Wales 2620 Australia (72)Name of Inventor:  1)MILLIKEN Damion 2)AHMED Syed Zaka 3)JIANG Nancy
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### (57) Abstract:

An electrolyte formulation for use in photoelectrochemical devices is disclosed including: a thickening agent; wherein the thickening agent is dissolved in the electrolyte. The thickening agent may be polymeric.

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

(21) Application No.2104/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 08/03/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: SURGICAL STAPLING HEAD ASSEMBLY WITH FIRING LOCKOUT FOR A SURGICAL **STAPLER**

(51) International classification :A61B17/072,A61B17/115 (71)Name of Applicant :

(31) Priority Document No :12/878065 (32) Priority Date :09/09/2010 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2011/050909

Filing Date :09/09/2011

(87) International Publication No :WO 2012/033960

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

1)ETHICON ENDO SURGERY INC.

Address of Applicant: 4545 Creek Road Cincinnati OH 45242

(72)Name of Inventor:

1)ZINGMAN Aron O.

#### (57) Abstract:

In various embodiments a surgical stapling head is provided that may comprise a staple cartridge for supporting one or more staples a core movable relative to the staple cartridge at least one staple driver extending from the core and a casing configured to at least partially hold the staple cartridge and movably receive the core and the staple driver(s). The casing may further comprise at least one retention member that is configured to move from a first position to a second position when sufficient external force is applied to the retention member such as that provided by a shaft of a surgical stapler during insertion of the stapling head assembly into the shaft. When the retention member(s) are at the second position the staple driver(s) may be prevented from driving staples from the staple cartridge thereby providing a firing lockout feature to the stapling head assembly during insertion into at least a portion of a surgical stapler.

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

(22) Date of filing of Application :04/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: SIMPLE MOTORIZED BREWING 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> </ul>	:A47J31/36 :10174412.6 :27/08/2010 :EPO :PCT/EP2011/057235 :05/05/2011 :WO 2012/025259 :NA :NA	(71)Name of Applicant:  1)NESTEC S.A.  Address of Applicant: Av. Nestl 55 CH 1800 Vevey Switzerland (72)Name of Inventor:  1)M-RI Peter
Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

(21) Application No.1951/DELNP/2013 A

#### (57) Abstract:

(19) INDIA

A motorized beverage machine (1) has: activation means that comprise a motor (3); and a brewing unit (2) that comprises a first assembly (13) and a second assembly (14) cooperating together each assembly delimiting part of a brewing chamber (29) for containing an ingredient capsule (30). At least one of these assemblies (14) is: movable away from the cooperating assembly (13) into an open position within the machine for forming between the assemblies a passage (31) for inserting into and/or removing from the brewing unit the ingredient capsule; and movable to the cooperating assembly into a closed position for forming the brewing chamber. The motor is a low power motor configured to: generate a maximum torque of no more than 50 mNm; and/or consume a maximum power of no more than 50 W for driving the movable assembly between the open and closed positions.

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

(21) Application No.1953/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: ELECTRICAL PLUG CONNECTOR

(51) International classification :H01R13/447,H01R (31) Priority Document No :102010039314.2 (32) Priority Date :13/08/2010 :Germany

(86) International Application No :PCT/EP2011/063630 Filing Date :08/08/2011

(87) International Publication No :WO 2012/020000

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

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

:H01R13/447,H01R13/50 (71)Name of Applicant :

1)TYCO ELECTRONICS AMP GMBH

Address of Applicant : Amperestrasse 12 14 D 64625

Bensheim Germany (72)Name of Inventor:
1)NGUYEN NHU Lam
2)GASSAUER Uwe

3)NAGEL Stefan Konrad

#### (57) Abstract:

In an electrical plug connector comprising an insulating contact adapter the contact adapter has a first wing which can be pivoted between an open and a closed position. The contact adapter is designed to enclose a metal contact element between the first wing and a wall of the contact adapter when the first wing is in the closed position.

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

(19) INDIA

(22) Date of filing of Application :06/03/2013

(21) Application No.2007/DELNP/2013 A

(43) Publication Date: 31/10/2014

# (54) Title of the invention: DEVICES FOR TRANSDERMAL DRUG DELIVERY

:A61M37/00 :1015164.5 :13/09/2010 :U.K. :PCT/GB2011/051716 :13/09/2011 :WO 2012/035334 :NA :NA	(71)Name of Applicant:  1)NDM TECHNOLOGIES LIMITED  Address of Applicant: Loughborough Innovation Centre Holywell Park Ashby Road Loughborough Leicestershire LE11 3AQ U.K. (72)Name of Inventor:  1)CHOWDHURY Dewan Fazlul Hoque
:NA :NA	
	:1015164.5 :13/09/2010 :U.K. :PCT/GB2011/051716 :13/09/2011 :WO 2012/035334 :NA :NA

#### (57) Abstract:

A transdermal drug delivery device comprises needles (10) or other means for piercing the skin (4) of a patient to form pores (20) in a predefined pattern; and carriers (12) in the same pattern that may be loaded with a drug (14) for delivery. Means are provided for applying the carriers (12) to the pores (20) to deliver the drug (14) through the pores (20) to a location beneath the surface of the skin (4). The carriers (12) may remain outside the pores (20) be introduced into the pores (20) after the needles (10) have been removed or be inserted alongside the needles (20) while they are still in place.

No. of Pages: 30 No. of Claims: 22

(21) Application No.2008/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: METHOD FOR SECURING A BLADE ONTO A WIPER

(62) Divisional to Application Number :NA Filing Date :NA	11	:1003596 :09/09/2010 :France :PCT/EP2011/063396 :03/08/2011 :WO 2012/031838 :NA :NA	(71)Name of Applicant:  1)VALEO SYSTEMES DESSUYAGE  Address of Applicant: 8 rue Louis Lormand F 78321 Le  Mesnil Saint Denis France (72)Name of Inventor:  1)ESPINASSE Philippe
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#### (57) Abstract:

The invention relates to a securing device (11) provided between a blade (1) and a mounting (4) constituting a wiper wherein said device includes a first portion (12) that can be attached onto the mounting (4) and a second portion (13) that can be attached onto the blade (1) the first portion (12) and the second portion (13) being connected together by a removable attachment means characterized in that the first portion (12) includes at least one blocking means capable of plugging at least one liquid feeding device (6) which is a component of the wiper. The invention can be used for motor vehicles.

No. of Pages: 22 No. of Claims: 11

(21) Application No.2109/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 08/03/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: HYDRAULIC SHOVEL CALIBRATION DEVICE AND HYDRAULIC SHOVEL CALIBRATION **METHOD**

(51) International classification :E02F3/43,E02F9/20,G01S19/14 (71) Name of Applicant: (31) Priority Document No :2011065978

(32) Priority Date :24/03/2011

(33) Name of priority country :Japan

(86) International Application No:PCT/JP2012/056822 Filing Date :16/03/2012

(87) International Publication No: WO 2012/128199

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)KOMATSU LTD.

Address of Applicant: 2 3 6 Akasaka Minato ku Tokyo

1078414 Japan

(72)Name of Inventor: 1)SEKI Masanobu

### (57) Abstract:

A hydraulic shovel calibration device comprises an input unit (63), a first calibration computation unit (65c), and a second calibration computation unit (65d). The input unit (63) is a unit where working point position information and antenna position information are input. The working point position information indicates coordinates of the working point at a plurality of positions which are measured by an external measurement device. The antenna position information indicates coordinates of the position of the antenna which are measured by the external measurement device. The first calibration computation unit (65c) computes calibration values of the work implement parameters by numerical analysis based on the working point position information input into the input unit (63). The second calibration computation unit (65d) calibrates the antenna parameters based on the antenna position information input into the input unit (63).

No. of Pages: 62 No. of Claims: 3

(22) Date of filing of Application :06/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : FLEXIBLE CUSHIONING PADS ITEMS INCORPORATING SUCH PADS AND METHODS OF MAKING AND USING

#### (57) Abstract:

Disclosed herein are conformable protection pads which can be integrated into articles such as clothing and protective cases. In one embodiment an exemplary cushioning pad includes a first channel comprising a thickness and a width. The first channel comprises a continuous upper layer and a continuous lower layer which is at least partially bonded to the continuous lower layer. The cushioning region is disposed adjacent to the first channel and has a thickness greater than the thickness of the first channel. The cushioning region further includes a cushioning material disposed between and bonded to the continuous upper layer and the continuous lower layer. A groove maybe defined in the upper surface of the cushioning region with a thickness less than the thickness of the cushioning region and greater than the thickness of the first channel..

No. of Pages: 58 No. of Claims: 19

(22) Date of filing of Application: 07/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: SUBSTITUTED IMIDAZOPYRIDAZINES

(51) International :C07D487/04,A61K31/5025,A61P35/00 classification

(31) Priority Document

:10176134.4

(32) Priority Date :10/09/2010

(33) Name of priority country

:EPO

(86) International Application No

:PCT/EP2011/065368 :06/09/2011

Filing Date

(87) International

Publication No

:WO 2012/032031

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

:NA

Filing Date (62) Divisional to

:NA :NA

Application Number Filing Date

(71)Name of Applicant:

1)BAYER INTELLECTUAL PROPERTY GMBH

Address of Applicant : Alfred Nobel Strasse 10 40789

Monheim Germany

(72)Name of Inventor:

1)KLAR Ulrich

2)KOPPITZ Marcus

3)JAUTELAT Rolf 4)KOSEMUND Dirk

5)BOHLMANN Rolf

6)LIENAU Philip

7) SIEMEISTER Gerhard

8) WENGNER Antje Margret

### (57) Abstract:

The present invention relates to substituted imidazopyridazine compounds of general formula (1) which are Mps 1 (Monopolar Spindle 1) Kinase inhibitors (also known as Tyrosine Threonine Kinase TTK) in which R R and A are as defined in the claims to methods of preparing said compounds to pharmaceutical compositions and combinations comprising said compounds and to the use of said compounds for manufacturing a pharmaceutical composition for the treatment or prophylaxis of a disease in particular of a hyper proliferative and/or angiogenesis disorder as a sole agent or in combination with other active ingredients.

No. of Pages: 623 No. of Claims: 21

(21) Application No.2064/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: DRIVER FOR A STEEL STRIP COILING INSTALLATION

(51) International classification :B21C47/34,B21B39/00,B21D43/09

(31) Priority Document No :A1683/2010 (32) Priority Date :08/10/2010 (33) Name of priority country :Austria

(86) International Application :PCT/EP2011/066707

Filing Date :27/09/2011

(87) International Publication :WO 2012/045607

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

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

(71)Name of Applicant:

1)SIEMENS VAI METALS TECHNOLOGIES GMBH Address of Applicant : Turmstrae 44 A 4031 Linz Austria

(72)Name of Inventor: 1)MOSER Friedrich 2)SCHIEFER J<sup>1</sup>/<sub>4</sub>rgen

# (57) Abstract:

A driver (1) for a steel strip coiling installation comprising at least one supporting drive roller (3), which is mounted on a frame (2), and at least one drive roller (4), which can be adjusted with respect to the supporting drive roller (3) and is mounted on at least one rocking arm (5a, 5b) connected to the frame (2), wherein the drive roller (4) is attached to a bearing region (7) of the rocking arm (5a, 5b). The driver (1) is characterized in that the bearing region (7) is open for introducing and removing the drive roller (4) to the side and/or upwards when placing the rocking arm (5a, 5b) in the operating position. For fixing the drive roller (4) on the bearing region (7), the driver (1) has a fixing mechanism. The method for removing a drive roller (4) from such a driver (1) comprises the steps of opening the fixing mechanism and removing the drive roller (4) from the driver (1) to the side and/or upwards.

No. of Pages: 24 No. of Claims: 14

(21) Application No.2117/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: SHOULDER PROSTHESIS CUP INCLUDING SECURING RIBS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:10/57435 :17/09/2010 :France :PCT/FR2011/052117 :15/09/2011 :WO 2012/035265 :NA :NA	(71)Name of Applicant:  1)DUPORT Marc  Address of Applicant:16 rue Desprez F 31400 Toulouse France (72)Name of Inventor:  1)DUPORT Marc
Filing Date	:NA	

### (57) Abstract:

The invention relates to a prosthesis cup (1), in particular for a shoulder prosthesis, comprising a shell (2) substantially in the shape of a hollow spherical cap defining a concave inner surface (3). The shell (2) includes anchoring means which project from the inner surface (3) and are shaped to penetrate a bone and anchor the cup (1) therein. The invention is characterized in that the anchoring means are shaped to trigger the rotation of the cup (1) as they penetrate the bone.

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

(21) Application No.2118/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : OPERATOR SELECTING APPARATUS AND METHOD FOR SELECTING A HOME OPERATOR FOR EACH COMMUNICATION DEVICE IN A GROUP

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H04L12/56 :NA :NA :NA :PCT/JP2010/069238 :22/10/2010 :WO 2012/053119 :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)SUGIMOTO Shinta 2)MURAKAMI Shingo 3)ODA Toshikane
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

There is provided an operator selecting apparatus and a method for selecting a home operator for each communication device in a group. In some embodiments the first selecting unit of the operator selecting apparatus selects for each quality oriented communication device in the group a candidate operator out of the plurality of the candidate operators that is determined based on the quality information to provide the best quality of service to the communication device. Then the second selecting unit of the operator selecting apparatus selects for each cost oriented communication device in the group based on the billing system and a number of quality oriented communication devices assigned to the each candidate operator as a result of the selection by the first selecting unit a candidate operator out of the plurality of the candidate operators such that a total cost for all the communication devices in the group becomes lowest.

No. of Pages: 43 No. of Claims: 9

(22) Date of filing of Application :06/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: GROUP OF CHARGE STORAGE UNITS CHARGER ELECTRONIC DEVICE ELECTRICALLY DRIVEN VEHICLE METHOD FOR CHARGING AND METHOD FOR DISCHARGING GROUP OF CHARGE STORAGE UNITS METHOD FOR SUPPLYING/RECEIVING ELECTRIC POWER AND METHOD FOR DETERMINING CHARGE/DISCHARGE ROUTE IN GROUP OF CHARGE STORAGE UNITS

(51) International classification: H02J7/02, H01M10/44, H01M2/10 (71) Name of Applicant:

:09/09/2011

:WO 2012/036086

(31) Priority Document No :2010205885 (32) Priority Date :14/09/2010

(33) Name of priority country :Japan

(86) International Application :PCT/JP2011/070615

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)SONY CORPORATION

(21) Application No.2016/DELNP/2013 A

Address of Applicant: 1 7 1 Konan Minato ku Tokyo 1080075

(72)Name of Inventor:

1)HOTTA Shin

#### (57) Abstract:

(19) INDIA

The present invention relates to a group of charge-storage units, a charger, an electronic device, an electrically ariven vehicle, a method for charging and a method for discharging the group of chargestorage units, a method for supplying/receiving electric power, and a method for determining the charging/discharging route in the group of charge- storage units capable of providing a method for charging a group of charge- storage units composed of a plurality of charge- storage units connected together as desired. The method for charging a group of chargestorage units is a method for charging a secondary battery cell in a group of charge-storage units configured so that a plurality of charge-storage units (11) having secondary battery cells is connected in the shape of a straight line or a mesh, wherein the method comprises a charging step i n which, when full charging i s achieved i n a secondary battery cell that con < stitutes a single charge- storage unit and is connected upstream of the charge- storage units to a power source (12) for charging the charge-stor age units, charging of the single charge-storage unit in question is stopped and a charge-storage unit connected further downstream of the single charge- storage unit in question is charged via the single charge-storage unit in question.

No. of Pages: 165 No. of Claims: 29

(21) Application No.2065/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 07/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: LIQUID THICKENER FOR SURFACTANT SYSTEMS

(51) International classification :C11D1/74,C11D3/20,C11D3/22 (71)Name of Applicant:

(31) Priority Document No :61/380507 (32) Priority Date :07/09/2010

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

(86) International Application No:PCT/US2011/050596

Filing Date :07/09/2011 (87) International Publication No: WO 2012/033783

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

(62) Divisional to Application :NA Number :NA

Filing Date

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44141 3247 U.S.A.

(72)Name of Inventor:

1)KRZYSIK Duane G. 2)GIBSON Virginia L.

3)REIMAN William J.

4)ROACH Timothy J.

#### (57) Abstract:

The present invention generally relates to blends that contain alkoxylated lipophilic polyol compounds having about three moles of lipophilic substituents per mole of polyol which are polyethylene glycol methyl glucose trioleate and polyethylene glycol methyl glucose dioleate and more specifically to the use of such compounds as thickeners in liquid surfactant compositions.

No. of Pages: 37 No. of Claims: 36

(22) Date of filing of Application: 07/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: CONTINUOUS DIGITAL LIGHT PROCESSING ADDITIVE MANUFACTURING OF IMPLANTS

(51) International

:A61L27/14,G02B26/00,A61L27/56 classification

(31) Priority Document No :61/375353 (32) Priority Date :20/08/2010 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2011/048620

:22/08/2011

Filing Date

(87) International Publication :WO 2012/024675 No

(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)CASE WESTERN RESERVE UNIVERSITY

Address of Applicant: 10900 Euclid Avenue Cleveland Ohio

44106 U.S.A.

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3)UNIVERSITY OF MARYLAND

4)RICE UNIVERSITY (72)Name of Inventor:

1)DEAN H. David

2)WALLACE Jonathan E. 3)MIKOS Antonios G. 4)WANG Martha

5)SIBLANI Ali 6)KIM Kvobum

7)FISHER John P.

#### (57) Abstract:

A process for additive manufacturing of a resorbable implant to be implanted into a patient includes providing a resin including a liquid light polymerizable material that is resorbable after polymerization and an initiator. The process further includes actuating an additive manufacturing apparatus to expose an amount of the resin to light to at least partially cure the exposed amount of resin to form a layer of the resorbable implant and actuating the additive manufacturing apparatus to expose at least some additional amount of resin to light to at least partially cure the exposed additional amount of resin to form an additional layer of the resorbable implant and to at least partially overcure previously cured layers to cause at least some interlayer binding between the previously cured layers and the additional layer.

No. of Pages: 37 No. of Claims: 40

(21) Application No.2120/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : REDUCING THE TELOGENIC BEHAVIOR OF HYDROCARBON CONTAINING SURFACTANTS IN AQUEOUS DISPERSION FLUOROMONOMER POLYMERIZATION

#### (57) Abstract:

A polymerization process is provided comprising polymerizing fluoromonomer in an aqueous medium to form a dispersion of fluoropolymer particles in the aqueous medium said polymerizing being carried out in the presence of (i) polymerization initiator and (ii) hydrocarbon containing surfactant stabilizing the dispersion of fluoropolymer particles the hydrocarbon containing surfactant being passivated to reduce its the telogenic behavior.

No. of Pages: 99 No. of Claims: 26

(22) Date of filing of Application :05/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: EXCAVATOR DISPLAY SYSTEM AND METHOD FOR CONTROLLING SAME

(51) International classification	:E02F9/20,E02F9/26	(71)Name of Applicant:
(31) Priority Document No	:2011036201	1)KOMATSU LTD.
(32) Priority Date	:22/02/2011	Address of Applicant :2 3 6 Akasaka Minato ku Tokyo
(33) Name of priority country	:Japan	1078414 Japan
(86) International Application No	:PCT/JP2012/052834	(72)Name of Inventor:
Filing Date	:08/02/2012	1)FUKANO Ryo
(87) International Publication No	:WO 2012/114873	2)NOMURA Azumi
(61) Patent of Addition to Application	:NA	3)KURIHARA Takashi
Number	:NA	4)FUJITA Etsuo
Filing Date	.11/1	5)ANDO Masao
(62) Divisional to Application Number	:NA	6)KOIDE Toshihiro
Filing Date	:NA	

#### (57) Abstract:

An excavator display system calculates an upper boundary line (La) position and a lower boundary line (Lb) position. The upper boundary line (La) represents the height of the upper edge of the cross-section of the plane (78) to be displayed. The lower boundary line (Lb) represents the height of the lower edge of the cross-section of the plane (78) to be displayed. When the current position (Po) of the excavator is located between the upper boundary line (La) and the lower boundary line (Lb), a prescribed base point (Pb) of a display range is set to a prescribed position between the upper boundary line (La) and the lower bound ary line (Lb). When the current position (Po) of the excavat or is positioned above the upper boundary line (La), the base point (Pb) is set above the prescribed position. When the current position (Po) of the excavator is positioned below the lower boundary line (Lb), the base point (Pb) is set below the prescribed position.

No. of Pages: 78 No. of Claims: 4

(22) Date of filing of Application :06/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : METHOD AND DEVICE FOR DETERMINING THE STATE OF DEGRADATION OF A LUBRICANT OIL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:NA :NA :NA :PCT/ES2010/070582 :07/09/2010 :WO 2012/032197 :NA	(71)Name of Applicant:  1)FUNDACION TEKNIKER  Address of Applicant: Avda. Otaola 20 E 20600 EIBAR (Guip°zcoa) Spain (72)Name of Inventor:  1)GORRITXATEGI ARRONDO Eneko 2)ARNAIZ IRIGARAY Aitor 3)ARANZABE GARC A Ana 4)TERRADILLOS AZQUETA Jes°s Ma
(61) Patent of Addition to Application Number Filing Date		3)ARANZABE GARC A Ana
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention provides a method and a device for determming the degradation of a used oil. The method of the invention is based on calculating the components in the red, green and blue transmission spectral bands I O, I and IB of the unused oil, carrying out a number of measurements of the transmittance of the same oil a $\pm$ er use, calculating the colour ndices of the used oil and the reference colour ndex as CI= 1 XIR+0.5XI +0.5IB CIKEF = 1 XIRO0.5XI O+0.5Ibo and obtaining the overall degradation valu as OD(%)= 100 - IOOxlogio (CIREF/CI) . By virtue of the method and the corresponding device, real-time monitoring of oil degradation is facilitated.

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

(22) Date of filing of Application :07/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: TAMPER EVIDENT CONTAINER 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> </ul>	:B65D41/34 :12/886415 :20/09/2010 :U.S.A. :PCT/US2011/051512 :14/09/2011 :WO 2012/040008 :NA :NA	(71)Name of Applicant:  1)MEAD JOHNSON NUTRITION COMPANY Address of Applicant: 2400 W. Lloyd Expressway Evansville Indiana 47721 0001 U.S.A. (72)Name of Inventor: 1)VELMER Marc S. 2)HORTON Thomas C.
- 1 000000		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A container system (100) for storing material includes a container (10) and a mating closure (18) having a tamper evident ring (22) frangibly attached to the closure. The container includes a neck (14) having a container thread (16) and an annular rim (38) for engaging the tamper evident ring when the closure is removed from the container. The neck includes one or more retaining structures (50) for engaging the tamper evident ring during retort sterilization processing packaging shipping or handling. The retaining structure in some embodiments includes one or more ramps having multiple inclined surfaces (52 56). Each inclined surface is oriented at an acute angle between about five and about forty five degrees such that the tamper evident ring can slip past the retaining structure when a threshold removal torque is applied. A method of sealing a container using a tamper evident closure system is also provided.

No. of Pages: 39 No. of Claims: 23

(21) Application No.2124/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 08/03/2013 (43) Publication Date: 31/10/2014

#### (54) Title of the invention: POROUS ELECTROACTIVE MATERIAL

(51) International :C01B33/02,C30B29/06,C30B29/60 classification

(31) Priority Document No :1014706.4 (32) Priority Date :03/09/2010

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

(86) International Application :PCT/GB2011/001298

:02/09/2011

Filing Date (87) International Publication :WO 2012/028857

No

(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)NEXEON LIMITED

Address of Applicant :136 Milton Park Abingdon Oxfordshire

OX14 4SB U.K.

(72)Name of Inventor:

1)RAYNER Philip John 2)LOVERIDGE Melanie J.

#### (57) Abstract:

The invention provides a composition comprising a plurality of electroactive porous particle fragments comprising silicon as an electroactive material characterised in that each porous particle fragment comprises a network of pores defined and separated by silicon containing walls. The network of pores suitably comprises a three dimensional arrangement of pores extending through the volume of the particle in which the pore openings are provided on two or more planes over the surface of the particle. The composition of the first aspect of the invention is an electroactive material that is able to form an alloy with lithium and can be used in the fabrication of anodes for use in lithium ion secondary batteries. A method of fabricating the silicon containing porous particle fragments is also disclosed.

No. of Pages: 77 No. of Claims: 58

(22) Date of filing of Application :06/03/2013 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: NOVEL CATALYST SYSTEMS AND METHODS OF MAKING AND USING SAME`

(51) Intonetional alequication	C00F310/16	(71)NI
(51) International classification	:C08F210/16	(71)Name of Applicant:
(31) Priority Document No	:12/876954	1)CHEVRON PHILLIPS CHEMICAL COMPANY LP
(32) Priority Date	:07/09/2010	Address of Applicant :10001 Six Pines Drive The Woodlands
(33) Name of priority country	:U.S.A.	Texas 77380 U.S.A.
(86) International Application No	:PCT/US2011/049633	(72)Name of Inventor:
Filing Date	:30/08/2011	1)YANG Qing
(87) International Publication No	:WO 2012/033670	2)MCDANIEL Max P.
(61) Patent of Addition to Application	:NA	3)MARTIN Joel L.
Number	*	4)DING Errun
Filing Date	:NA	5)ROHLFING David C.
(62) Divisional to Application Number	:NA	6)CRAIN Tony R.
. ,	*	U)CKAIN TORY K.
Filing Date	:NA	

#### (57) Abstract:

A catalyst composition comprising (a) a first metallocene complex represented by the general for mula (MTE-A), where M1 is Ti, Zr or Hf, X1 and X2 are each independently F, CI, Br, I, methyl, benzyl, phenyl, H, BH, a hydrocarbyloxide group having up to 20 carbon atoms, a hydrocarbylamino group having up to 20 carbon atoms, a trihydrocarbylsilyl group having up to 20 carbon atoms, OBR 2 wherein R may be an alkyl group having FIG. 1 a up to 12 carbon atoms or an aryl group having up to 12 Molecular Wright D s i fc carbon atoms, and SO3R wherein R may be an alkyl group having up to 12 carbon atoms or an aryl group hav ing up to 12 carbon atoms, and Cp 1 and Cp2 are each in de pendently a substituted or unsubstituted cyclopentadienyl group, or a substituted or unsubstituted indenyl group, where any substituent on Cp1 and Cp2 is H, a hydrocarbyl group having up to 18 carbon atoms or a hydrocarbylsilyl group having up to 18 carbon atoms, (b) a second metal locene complex, (c) a non-group 4 metallocene transitionmetal complex, (d) an activator or activator-support, and (e) an optional cocatalyst.

No. of Pages: 57 No. of Claims: 32

(21) Application No.2069/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 07/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: APPARATUS AND METHODS FOR MANOEUVRING AND SUPPORT OF PANELS

(51) International :B23Q1/03,B21D43/11,B23K37/04 classification

(31) Priority Document No :1014937.5 (32) Priority Date :08/09/2010

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

(86) International Application :PCT/GB2011/051643

:01/09/2011 Filing Date

(87) International Publication :WO 2012/032332

No

(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)BAE SYSTEMS PLC

Address of Applicant: 6 Carlton Gardens London SW1Y 5AD

(72)Name of Inventor:

1)PARSONS Stuart William 2)FREEMAN Ronald John

3)PHILIPS Clive

# (57) Abstract:

A large and massive panel (12) is manoeuvred and supported by means of a work piece support (10) which has an upper horizontal work piece support surface (22) for receiving the panel in extended surface to surface contact. An array of apertures (24) is provided in the work piece support surface beneath same of which are provided low friction bearing elements (28) moveable between a raised load bearing position in which the panel can be slid onto the work piece support and a retracted position in which the panel is left in extended surface to surface contact with the work piece support.

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

(21) Application No.2122/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : COATED ARTICLE HAVING BORON DOPED ZINC OXIDE BASED SEED LAYER WITH ENHANCED DURABILITY UNDER FUNCTIONAL LAYER AND METHOD OF MAKING 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
(203C17/36,C23C14/00
(12/923391
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:NA

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

:C03C17/36,C23C14/00 (71)Name of Applicant :

1)GUARDIAN INDUSTRIES CORP.

Address of Applicant :2300 Harmon Road Auburn Hills MI

48326 1714 U.S.A. (72)Name of Inventor:

1)IMRAN Muhammad 2)BLACKER Richard

#### (57) Abstract:

Filing Date

A coated article is provided with at least one functional layer such as an infrared (IR) reflecting layer(s) of or including silver and/or gold. A dielectric and substantially transparent seed layer is provided under and directly contacting the functional layer. In certain example embodiments the seed layer includes an oxide of zinc and boron for increasing the hardness of the layer and thus improving durability of the overall coating. The seed layer may further include aluminum and/or gallium for enhancing the electrical properties and/or reducing the stress in the resulting coating. The seed layer may be deposited by a substantially metallic target in the presence of oxygen in certain examples.

No. of Pages: 35 No. of Claims: 27

(22) Date of filing of Application :08/03/2013 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: PACKAGE WITH WINDOW AND UNIT DOSE ARTICLES THEREIN

(51) International classification :B65D75/00,B65D75/52 (71)Name of Applicant : (31) Priority Document No 1) THE PROCTER & GAMBLE COMPANY :12/885793 (32) Priority Date Address of Applicant :One Procter & Gamble Plaza Cincinnati :20/09/2010 (33) Name of priority country Ohio 45202 U.S.A. :U.S.A. (86) International Application No :PCT/US2011/051026 (72)Name of Inventor: 1)CAMARGO PARODI Gustavo Jose Filing Date :09/09/2011 (87) International Publication No :WO 2012/039963 2)READ Brett Taylor (61) Patent of Addition to Application 3)KOPULOS Christopher Robert :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

A flexible sealed bag (10) and method of making thereof; the flexible bag (10) containing a plurality of at least partially water soluble unit dose articles (100) comprises a front panel (30) a back panel and a bottom panel. The front panel (30) and the back panel (50) may be marginally joined together along at least two opposed edges (305a 35b) to be in a confronting relationship to form the closed bag (10). The front and back panels (30 50) are joined at the top of the bag by a frangible seal (20). The bottom panel is intermediate to the front panel (30) and back panel (50) and is joined to each of them. The front panel (30) comprises at least one transparent window (22) and at least one opaque portion (31). The articles (100) are distributed from the bottom of the bag (10) to a height therein providing an empty space (33) above the height of the articles (100) whereby the transparent window(32) intercepts the articles (100) and the empty space (33).

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

(22) Date of filing of Application :07/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: METHOD FOR MANUFACTURING FOAM MATERIAL BY USING MOLTEN SLAG

(51) International classification	:C04B38/02,C04B5/00	(71)Name of Applicant:
(31) Priority Document No	:201010293064.7	1)SHANDONG COKING GROUP CO. LTD.
(32) Priority Date	:27/09/2010	Address of Applicant :No.97 Liuquan Road Zhangdian Zibo
(33) Name of priority country	:China	Shandong 255000 China
(86) International Application No	:PCT/CN2011/079896	(72)Name of Inventor:
Filing Date	:20/09/2011	1)WANG Qingtao
(87) International Publication No	:WO 2012/041174	2)YU Xianjin
(61) Patent of Addition to Application	:NA	3)ZHAO Xin
Number	:NA	4)GONG Benkui
Filing Date	.11/1	5)WEI Zhenxia
(62) Divisional to Application Number	:NA	6)LI Yueyun
Filing Date	:NA	7)MING Jun

#### (57) Abstract:

A method for manufacturing a foam material by using a molten slag includes: introducing the molten slag into a pool for preserving heat and modifying, wherein a temperature of the molten slag is maintained at 1400°C-1500°C, and adding a viscosity modifier and/or a color modifier to the molten slag to adjust a viscosity and/or a color of the molten slag according to requirements of a product to be manufactured; introducing Jfo the molten slag discharged from the pool for preserving heat and modifying into a foaming poor while adding a foaming agent to the molten slag, wherein the molten slag in the foaming poor is controlled at 1250°C-1400°C so as to foam and mold; and maintaining the foamed and molded slag at 800°C-1000°C for 20-30 minutes in a nonreducing atmosphere, and then naturally cooling the foamed and molded slag to a room temperature so as to obtain the foam material. An energy-saving and efficient method for comprehensively utilizing the blast furnace slag is provided, and the produced inorganic nonmetal foam material and products thereof have such characteristics as stable color quality, abrasion resistance, pressure resistance, small thermal conductivity, small shrinkage ratio, and excellent sound absorption, adsorption and filtering k performances. 10

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

(22) Date of filing of Application :07/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : METHOD FOR MANUFACTURING PLANAR INORGANIC NON METALLIC MATERIAL USING MOLTEN SLAG

(51) International classification: C21B3/06,C04B5/00,C04B35/653 (71) Name of Applicant: (31) Priority Document No 1)SHANDONG COKING GROUP CO. LTD. :201010293061.3 (32) Priority Date :27/09/2010 Address of Applicant :No.97 Liuquan Road Zhangdian District (33) Name of priority country :China Zibo Shandong 255000 China (86) International Application (72)Name of Inventor: :PCT/CN2011/079895 1)WANG Qingtao :20/09/2011 Filing Date 2)YU Xianjin (87) International Publication 3)ZHAO Xin :WO 2012/041173 No 4)GONG Benkui 5)WEI Zhenxia

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

(62) Divisional to Application
Number
Filing Date
:NA

### (57) Abstract:

A method for manufacturing a plate inorganic nonmetal material by using a molten slag includes: introducing the molten slag into a pool for preserving heat and modifying, wherein a temperature of the molten slag is maintained at 1450 °C -1600 °C, and modifying a viscosity and/or a color of the molten slag according to requirements of a A product to be manufactured; introducing the modified molten slag into a float process furnace using tin or tin alloy as a carrier and preparing the plate inorganic nonmetal material from the modified molten slag, and discharging the plate inorganic nonmetal material at 1000-1300D; and maintaining the plate inorganic nonmetal material at 600 °C-900°C for 0.5-2 hours in a non-reducing atmosphere, and then gradually cooling the plate inorganic nonmetal material to a room temperature within 1-2 hours. An energysaving and efficient method for comprehensively utilizing the blast furnace slag is provided. The produced plate inorganic nonmetal material has such characteristics as stable color quality, abrasion resistance, pressure resistance, strong adhesiveness, low coefficient of expansion and low shrinkage ratio.

6)LI Yueyun

7)MING Jun

No. of Pages: 10 No. of Claims: 6

(22) Date of filing of Application :08/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: MULTIPLE PHASE FLOW SYSTEM FOR DETECTING AND ISOLATING SUBSTANCES

(51) International classification	:C12M1/34	(71)Name of Applicant :
(31) Priority Document No	:61/381809	1)THE CURATORS OF THE UNIVERSITY OF
(32) Priority Date	:10/09/2010	MISSOURI
(33) Name of priority country	:U.S.A.	Address of Applicant :340a Bond Life Sciences Center 1201
(86) International Application No	:PCT/US2011/051220	East Rollins Columbia MO 65211 U.S.A.
Filing Date	:12/09/2011	(72)Name of Inventor:
(87) International Publication No	:WO 2012/034120	1)OBRIEN Christine Mary
(61) Patent of Addition to Application	:NA	2)GUPTA Sagar K.
Number	:NA	3)VIATOR John Andrew
Filing Date	.11/1	4)SENGUPTA Shramik
(62) Divisional to Application Number	:NA	5)MOSLEY Jeff
Filing Date	:NA	6)ROOD Kyle

#### (57) Abstract:

A multiple flow system and method for detecting substances in a fluid is provided. More specifically a first fluid tube containing a first fluid and a second fluid tube containing a second fluid are coupled to a common fluid tube via a connector such that alternating discrete compartments of the first fluid and the second fluid flow through the common fluid tube. The first and second fluids are immiscible. A substance detector having a flow chamber with an internal wall is coupled to the common fluid tube. The alternating discrete compartments of the first and second fluids flow through the flow chamber and are analyzed by the substance detector.

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

(21) Application No.2037/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: ROTARY DISPLACEMENT PUMP FOR PUMPING SOLIDS EMULSIONS ESPECIALLY LIQUID **EXPLOSIVES**

(51) International :F04C2/356,F04C13/00,F04C14/28 classification

(31) Priority Document No

(32) Priority Date :NA (33) Name of priority country: NA

(86) International Application :PCT/EP2010/063572 No

:15/09/2010 Filing Date

(87) International Publication

:WO 2012/034592

(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)WATSON MARLOW GMBH

Address of Applicant : MasoSine Division Steinbeisstr. 3

74360 Ilsfeld Germany (72)Name of Inventor:

1)FROMM Ulrich 2)WILL Sven Eric

#### (57) Abstract:

A rotary displacement pump of an undulatory disk type; with a pump housing (24) comprising a front end plate (56) and a rear end plate the pump housing enclosing a stator (40 48) a rotor (42) a scraper (44) and a scraper guide (46) a shaft (8) extending through at least the rear end plate; the stator including a generally semi circular arc formed first stator member (40) and a generally semi circular arc formed second stator member (48) the stator the pump housing and the scraper together with the scraper guide defining an inlet and outlet chamber wherein at least part of the end faces of the first and second stator members being situated in the outlet chamber are oblique so as to provide an obtuse angled transition to the inner faces of the front end plate and the rear end plate.

No. of Pages: 31 No. of Claims: 21

(21) Application No.2038/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: PURIFICATION OF ANTIBODIES USING SIMULATED MOVING BED CHROMATOGRAPHY

(51) International :B01D15/18,C07K1/16,C07K16/00 classification

(31) Priority Document No :61/384620 (32) Priority Date :20/09/2010 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2011/051874

No :16/09/2011 Filing Date

(87) International Publication :WO 2012/040041

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)ABBVIE INC.

Address of Applicant: 1 North Waukegan Road North Chicago

IL 60064 U.S.A.

(72)Name of Inventor:

1)LAU Siu man Kelvin

2)DONG Diane 3)LU Stephen

#### (57) Abstract:

The present invention relates to compositions and methods for the chromatographic purification of antibodies such as monoclonal antibodies employing improved simulated moving bed separation strategies and in certain embodiments Raman spectroscopy.

No. of Pages: 95 No. of Claims: 7

(21) Application No.2085/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 07/03/2013

(43) Publication Date: 31/10/2014

### (54) Title of the invention: METHOD OF IMPROVING STABILITY OF SWEET ENHANCER AND COMPOSITION CONTAINING STABILIZED SWEET ENHANCER

(51) International classification :A23L2/60,A23L1/236 (71)Name of Applicant: (31) Priority Document No :61/373083 (32) Priority Date :12/08/2010 (33) Name of priority country :U.S.A. (86) International Application :PCT/US2011/047636 :12/08/2011 Filing Date (87) International Publication

:WO 2012/021837 No

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

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

1)SENOMYX INC. Address of Applicant: 4767 Nexus Centre Drive San Diego

California 92121 U.S.A.

(72)Name of Inventor: 1)TACHDJIAN Catherine 2)KARANEWSKY Donald S.

3)TANG Xiao Qing 4)LIU Hanghui

#### (57) Abstract:

The present invention includes methods of stabilizing one or more sweet enhancers when they are exposed to a light source as well as liquid compositions containing one or more sweet enhancers and one or more photostabilizers.

No. of Pages: 318 No. of Claims: 73

(22) Date of filing of Application: 07/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: APPARATUS AND METHOD FOR INTRODUCING A FIRST FLUID INTO THE FLOW PATH OF A SECOND FLUID AND USE OF SUCH AN APPARATUS

(51) International classification :B01F5/04,B01F5/06,D21C9/00 (71)Name of Applicant :

(31) Priority Document No :10009215 (32) Priority Date :10/09/2010

(33) Name of priority country :Sweden

(86) International Application No :PCT/SE2011/051098 Filing Date :09/09/2011

(87) International Publication No :WO 2012/033461

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)OVIVO LUXEMBOURG S..R.L.

Address of Applicant :6 C rue Gabriel Lippman L 5365

Munsbach Luxembourg (72)Name of Inventor: 1)JANSSON UIf

2)BJ-RKSTR-M Jonas

#### (57) Abstract:

An apparatus for mixing a first fluid into a flow path (44) of a second fluid said apparatus having a chamber (12) which encloses the flow path and exhibits a first inlet (13) for receiving the second fluid a second inlet (15) arranged downstream of the first inlet for receiving the first fluid as well as an outlet arranged downstream of the second inlet for discharging a mixture of the first fluid and the second fluid said flow path extending from the first inlet to the outlet and said second inlet opening into the flow path a throttle body (29) which is pivotally arranged inside the chamber for controlling the flow area of the flow path and pivoting means (50 51) for pivoting the throttle body for said controlling of the flow area. According to the invention the pivoting means is adapted to pivot the throttle body so that the flow area decreases with a decreasing flow rate of the second fluid and increases with an increasing flow rate of the second fluid in order to maintain the flow velocity of the second fluid at the second inlet within a predetermined range.

No. of Pages: 34 No. of Claims: 16

(22) Date of filing of Application :08/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: METHOD FOR PRODUCING STEEL STRIPS BY CONTINUOUS ROLLING OR SEMI **CONTINUOUS ROLLING**

(51) International classification :B21B1/46,B21B37/74 (71)Name of Applicant : (31) Priority Document No :10175759.9 (32) Priority Date :08/09/2010

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2011/065426 Filing Date :07/09/2011

(87) International Publication No :WO 2012/032071

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

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(72)Name of Inventor:

1)HOHENBICHLER Gerald

2)SEILINGER Alois

#### (57) Abstract:

The invention relates to a method for producing steel strips (1) by continuous rolling or semi continuous rolling wherein a slab (3) is first of all cast in a casting installation (2) the slab (3) is rolled to form a rough strip (3) in a rough rolling mill train (4) the rough strip (3) is heated in a furnace (7) and the rough strip (3) is finish rolled in a finishing rolling mill train (5) to a predetermined final thickness and at a predetermined final rolling temperature. In order to ensure the desired final thickness and final rolling temperature of the steel strip it is provided that when the entry temperature (T2) and/or the entry mass flow of the rough strip (3) are/is changed a new pass sequence is selected by way of which the desired final thickness and the desired final rolling temperature are achieved wherein the final engaged rolling stand of the finishing rolling mill train (5) is taken out of rolling engagement or a rolling stand of the finishing rolling mill train said rolling stand being connected downstream of the final engaged rolling stand is brought into rolling engagement and additionally allows the energy supplied to the furnace (7) and/or the finishing rolling mill train (5) to be minimized.

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

(21) Application No.2046/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : METHODS FOR DETECTING ANTI HE4 ANTIBODIES AND METHODS OF DIAGNOSIS AND/OR PROGNOSIS OF CONDITIONS ASSOCIATED WITH HE4 EXPRESSING CELLS

(51) International classification	:G01N33/53,G01N33/48	(71)Name of Applicant :
(31) Priority Document No	:61/377387	1)UNIVERSITY OF WASHINGTON THROUGH ITS
(32) Priority Date	:26/08/2010	CENTER FOR COMMERCIALIZATION
(33) Name of priority country	:U.S.A.	Address of Applicant :4311 11th Avenue NE Suite 500 Seattle
(86) International Application No	:PCT/US2011/049274	WA 98105 4608 U.S.A.
Filing Date	:26/08/2011	(72)Name of Inventor:
(87) International Publication No	:WO 2012/027631	1)HELLSTROM Karl Erik
(61) Patent of Addition to Application	:NA	2)HELLSTROM Ingegerd
Number		3)LIU Pu
Filing Date	:NA	4)JAFFAR Jade
(62) Divisional to Application Number	:NA	5)SWISHER Elizabeth
Filing Date	:NA	

#### (57) Abstract:

The present invention features inter alia compositions and methods related to the detection of HE4 expressing tumor cells in a subject. The methods include detection of anti HE4 antibodies in a biological sample obtained from the subject. The methods are useful for diagnosis and monitoring the efficacy of treatments for cancers in which HE4 is expressed for example ovarian cancer.

No. of Pages: 36 No. of Claims: 24

(21) Application No.2101/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: ADJUSTING MECHANISM IN PARTICULAR IN THE INTERIOR FITTINGS AREA OF A MOTOR **VEHICLE**

(51) International classification :B60N2/46,B60N2/48,B60N2/16 (71) Name of Applicant:

(31) Priority Document No :10 2010 044 946.6

(32) Priority Date :10/09/2010

(33) Name of priority country :Germany

(86) International Application No:PCT/EP2011/004552 Filing Date :09/09/2011

(87) International Publication No: WO 2012/031772

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)JOHNSON CONTROLS GMBH

Address of Applicant: Industriestrae 20 30 51399 Burscheid

(72)Name of Inventor: 1)FROTZ Thomas

2)HEMMELRATH Rudolf

# (57) Abstract:

The invention relates to an adjusting mechanism in particular in the interior fittings area of a motor vehicle in which a support structure is movable relative to a base element.

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

(22) Date of filing of Application :08/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: UNIVERSAL AUXILIARY CONTROLLER FOR AN INJECTION MOLDING MACHINE

` /	:B29C45/17,H02K7/00,H02K7/14 :10 2010 046 275.6 :22/09/2010 :Germany	(71)Name of Applicant:  1)NETSTAL MASCHINEN AG  Address of Applicant: Tschachenstrasse CH 8752 Nfels Switzerland
(86) International Application No Filing Date	:PCT/EP2011/066324 :20/09/2011	(72)Name of Inventor : 1)WERFELI Friedrich
(87) International Publication No	:WO 2012/038429	
<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 invention relates to a universal auxiliary controller for an injection molding machine, comprising an operating panel, a machine controller coupled to the operating panel, a converter acted on by the machine controller, a controllable electric motor that can be actuated by the converter, and a resolver. According to the invention, the controllable electric motor is coupled to a standardized shaft interface, which can selectively be connected to a complementary shaft interface of a mechanical operating element or a hydraulic operating element.

No. of Pages: 24 No. of Claims: 14

(22) Date of filing of Application :08/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : ISOPROPYL ALCOHOL PRODUCING BACTERIUM HAVING IMPROVED PRODUCTIVITY BY GNTR DESTRUCTION

(51) International classification (31) Priority Document No	:C12N1/21,C12N15/09,C12P7/04 :2010181150	(71)Name of Applicant: 1)Mitsui Chemicals Inc.
(32) Priority Date	:12/08/2010	Address of Applicant :5 2 Higashi Shimbashi 1 chome Minato
(33) Name of priority country	:Japan	ku Tokyo 1057117 Japan
(86) International Application	:PCT/JP2011/068402	(72)Name of Inventor:
No	:11/08/2011	1)AMANO Koh
Filing Date	.11/00/2011	2)SHIRAI Tomokazu
(87) International Publication	:WO 2012/020833	3)TAKAHASHI Hitoshi
No		4)HIRANO Junichiro
(61) Patent of Addition to	:NA	5)MATSUMOTO Yoshiko
Application Number	:NA	6)TAKEBAYASHI Nozomi
Filing Date		7)WADA Mitsufumi
(62) Divisional to Application	:NA	8)SHIMIZU Hiroshi
Number	:NA	9)FURUSAWA Chikara
Filing Date		10)HIRASAWA Takashi

#### (57) Abstract:

Provided i s an isopropyl alcohol-producing Escherichia coli, which comprises: a system that produces isopropyl alcohol together with the deactivation of the transcription regulator untR; and a coenzyme group having an enzymatic activity manifestation pattern that maintains or reinforces the isopropyl alcohol production that accompanies the deactivation of GntR. Also provided i s a method for producing isopropyl alcohol, which includes the production o i isopropyl alcohol from a plant-de rived starting material using this isopropyl alcohol-producing Escherichia coli. Further provided i s a method for producing ace tone, which includes bringing the isopropyl alcohol obtained b y the above-mentioned production method into contact with a com pound oxide that contains zinc oxide and at least one oxide of group 4 o f the Periodic Table of Elements and that has been pre - pared b y coprecipitation. Additionally provided i s a method for producing propylene, which includes bringing the isopropyl alco - hoi and acetone obtained b y the above-mentioned production methods into contact with a solid acid substance and a hydro genation catalyst containing C u as the catalysts.

No. of Pages: 90 No. of Claims: 14

(19) INDIA

(22) Date of filing of Application: 11/03/2013

(21) Application No.2156/DELNP/2013 A

(43) Publication Date: 31/10/2014

# (54) Title of the invention : CONTROL DEVICE AND METHOD FOR CONTROLLING INTERNAL COMBUSTION ENGINE INJECTION VALVES THAT ARE ACTUATED BY 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  (51) International Classification Signal (10) 2010 040 311.3 (10) 20	(71)Name of Applicant:  1)CONTINENTAL AUTOMOTIVE GMBH  Address of Applicant: Vahrenwalder Strae 9 30165 Hannover Germany (72)Name of Inventor:  1)GRUBER Hermann
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#### (57) Abstract:

The invention relates to a control device and to a method for Controlling internal combustion engine injection valves (A, B, C; A, B, C, D, E) that are actuated by coils by means of the control device.  $D\frac{1}{4}$  ring one internal combustion engine working cycle of the duration T, each of the N injection valves (A, B, C; A, B, C, D, E) is actuated each time for a period of 2T/N by Controlling the respective corresponding driving circuit (1, 2; 10, 20) and the selecting switch (11, 12; 21, 22, 23, 24) or one of the selecting switches (13, 14; 25, 26) by means of the control circuit (3; 30). The injection valve (C; E), with which two selecting switches (13, 14; 25, 26) are associated, is actuated via the one selecting switch (13; 25) and the one driving circuit (1; 10) in the first half of the control time interval that is assigned to said valve and via the other selecting switch (14; 26) and the other driving circuit (2; 20) in the second half of the control time interval.

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

(22) Date of filing of Application :08/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: CONTROL FEATURES FOR ARTICULATING SURGICAL DEVICE

(51) International classification :A61B18/14,A61B17/295 (31) Priority Document No :61/386094

(32) Priority Date :24/09/2010 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2011/052712

Filing Date :22/09/2011

(87) International Publication No :WO 2012/040432

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

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

1)ETHICON ENDO SURGERY INC.

Address of Applicant :4545 Creek Road Cincinnati OH 45242

U.S.A.

(72)Name of Inventor:

1)WORRELL Barry C. 2)BOURDREAUX Chad B. 3)MILLER Matthew C. 4)SCHEIB Charles J.

5)SHELTON Frederick E. IV 6)STROBL Geoffrey S

6)STROBL Geoffrey S. 7)STULEN Foster B. 8)TREES Gregory A.

9)VOEGELE Aaron C. 10)MADSEN Steven D. 11)HENRY Emron

12)CLEM William E.

# (57) Abstract:

An electrosurgical device includes a body an end effector a cutting member and a shaft. The end effector comprises a pair of jaws and at least one electrode that is operable to deliver RF energy to tissue clamped between the jaws. The cutting member is operable to cut tissue clamped between the jaws. The shaft includes an articulation section that is operable to selectively articulate the end effector relative to the shaft. The body includes a controller operable to selectively actuate the articulation section. The controller may include a trigger that also drives the cutting member a rotator that also rotates the shaft and end effector a wedge shaped pivoting member a pivotally coupled pair of housing portions or a pivoting cam member etc. A release member may selectively release the articulation section from the controller allowing a resilient bias to return the end effector into alignment with the shaft.

No. of Pages: 89 No. of Claims: 20

(22) Date of filing of Application :08/03/2013 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: ARTICULATION JOINT FEATURES FOR ARTICULATING SURGICAL DEVICE

		(71)Name of Applicant:
		1)ETHICON ENDO SURGERY INC.
		Address of Applicant :4545 Creek Road Cincinnati OH 45242
(51) International classification	:A61B18/14	U.S.A.
(31) Priority Document No	:61/386117	(72)Name of Inventor:
(32) Priority Date	:24/09/2010	1)WORRELL Barry C.
(33) Name of priority country	:U.S.A.	2)BOUDREAUX Chad P.
(86) International Application No	:PCT/US2011/052734	3)CONLON Sean P.
Filing Date	:22/09/2011	4)KNIGHT Gary W.
(87) International Publication No	:WO 2012/040445	5)MILLER Matthew C.
(61) Patent of Addition to Application	:NA	6)SCHEIB Charles J.
Number	:NA	7)SHELTON IV Frederick E. IV
Filing Date	.IVA	8)STROBL Geoffrey S.
(62) Divisional to Application Number	:NA	9)SWAYZE Jeffrey S.
Filing Date	:NA	10)TREES Gregory A.
		11)VOEGELE Aaron C.
		12)BLACK Charles S.
		13)MODI Kreena B.

### (57) Abstract:

An electrosurgical device comprises a body an end effector a cutting member and a shaft extending between the body and the end effector. The end effector includes a pair of jaws and at least one electrode operable to deliver RF energy to tissue clamped between the jaws. The cutting member is operable to cut tissue clamped between the jaws. The shaft includes an articulation section that is operable to selectively position the end effector at non parallel positions relative to the longitudinal axis of the shaft. The articulation section may include beads segments asymmetric features preformedly bent features an integral hinge a helical cutout or spring clevis features an angled joint a beaded actuation linkage and/or an offset pivot among other things. The device may also include a crimped cutting member a retroacting cutting member dual pivoting jaws and/or a wire tensioning assembly.

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

(21) Application No.2160/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: FOOTWEAR WITH POROUS INSOLE AND GROOVED OUTSOLE FOR SAND REMOVAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A43B5/00 :12/853032 :09/08/2010 :U.S.A. :PCT/US2011/046867 :05/08/2011 :WO 2012/021421 :NA :NA	(71)Name of Applicant: 1)HUYNH Chi Address of Applicant: 548 West Bonita Ave San Dimas California 91773 U.S.A. (72)Name of Inventor: 1)HUYNH Chi
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Footwear comprising: an upper; a porous insole including a plurality of pores sized to permit passage of solid particles size equal or greater than a sand grain downward traversing the insole; and an outsole joined to the upper and to the porous insole the outsole comprising one or more grooves for receiving the solid particles after passage and a solid bottom wherein the one or more grooves extend to one or more apertures positioned along an outer perimeter of the outsole for removal of the solid particles from the footwear.

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

(21) Application No.2161/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/03/2013 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: CELLULAR FOAM ADDITIVE

(51) International classification :C08J9/00,C08J9/24,C08K7/00 (71)Name of Applicant : (31) Priority Document No 1)ECOPURO LLC :61/376607 (32) Priority Date :24/08/2010 Address of Applicant: 730 17th Street Suite 320 Denver CO (33) Name of priority country 80202 U.S.A. :U.S.A. (72)Name of Inventor: (86) International Application No :PCT/US2011/049022 1)JOHNSON William L. Sr. Filing Date :24/08/2011 (87) International Publication No :WO 2012/027510 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

Highly specialized three dimensional structural kinetic mixing particles to promote low surface energy regions for bubble and nucleation sites resulting in stronger lighter weight foam having consistent cellular structures. The foam composition includes particles that continue to remain active as foam constituent fluids move during the foam expansion process. The continued mixing promotes better dispersion of blowing agents as well as increased mobility through better dispersion of reactive and nonreactive additives throughout the polymer during expansion of the foam thereby improving cellular consistency. The addition of kinetic mixing particles will produce similar results in any structural foam material that uses endothermic blowing agents exothermic blowing agents and/or gas foam injection systems.

No. of Pages: 68 No. of Claims: 20

(21) Application No.2009/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: METERED DOSE INHALER AND METHOD OF USING THE SAME

(51) International classification: A61M15/00, A61J1/20, B05B11/00 (71) Name of Applicant:

:WO 2012/032010

(31) Priority Document No :10175430.7 (32) Priority Date :06/09/2010

(33) Name of priority country :EPO

(86) International Application :PCT/EP2011/065303

No

:05/09/2011 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

(57) Abstract:

1) CHIESI FARMACEUTICI S.P.A.

Address of Applicant: Via Palermo 26/A I 43122 Parma Italy

(72)Name of Inventor: 1)BRAMBILLA Gaetano 2)LEWIS David Andrew

3)JOHNSON Robert 4)HOWLETT David

A metered dose inhaler includes at least one vessel (50) and an actuator for receiving the at least one vessel. The at least one vessel (50) includes a first reservoir (31) containing a first formulation and a second reservoir (32) containing a second formulation. The metered dose inhaler is actuable when the at least one vessel (50) is received by the actuator. The metered dose inhaler is configured to simultaneously deliver a first metered dose of the first formulation and a second metered dose of the second formulation upon actuation.

No. of Pages: 98 No. of Claims: 15

(22) Date of filing of Application :08/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : BATTERY PACK AND METHOD FOR INSPECTING STORAGE STATUS OF SECONDARY BATTERY IN BATTERY PACK

(51) International :H01M2/10,H01M10/42,H01M10/48

(31) Priority Document No :2010207524 (32) Priority Date :16/09/2010

(32) Priority Date :16/09/2010
(33) Name of priority :Japan

country

(86) International :PCT/JP2011/070112
Application No

Filing Date :05/09/2011

(87) International Publication No :WO 2012/036004

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

(71)Name of Applicant: 1)SONY CORPORATION

Address of Applicant: 17 1 Konan Minato ku Tokyo 1080075

Japan

(72)Name of Inventor : 1)OZAWA Atsushi 2)HOTTA Shin

3)MARUTANI Kentaro 4)UESAKA Shinichi

## (57) Abstract:

Filing Date

Provided i s a method for inspecting the storage status of a secondary battery i n a battery pack, the method being capable of prevent ing the manufacture of a modified battery pack with a simple structure and configuration. The method for inspecting the storage status of a secondary battery in a battery pack comprising: (A) a plurality of secondary batteries (20); and (B) a housing (40) that includes a plurality of storage units (41) and contains one of the secondary batteries (20) in each of the storage units (41); a conductive member (30) being attached t o an outer surface of the secondary batteries (20), the outer surface being composed of a nonconductive material; at least two detectors (42) being provided t o each of the storage units (41); and, depending on the storage status of the secondary batteries (20) in the storage units (41), either the two detectors (42) being in a state of contact with the conductive material, or at least one of the detectors being in a state of noncontact with the conductive material, wherein the conductive and nonconductive states between the detectors at each of the secondary batteries (20) are checked and compared with prede termined initial conduction and non-conduction values, and the initial con < duction and non-conduction values are changed if there is no match.

No. of Pages: 39 No. of Claims: 14

(22) Date of filing of Application :08/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : BATTERY PACK AND METHOD FOR DETECTING HOUSING STATUS OF SECONDARY BATTERY IN BATTERY PACK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H01M2/10,H01M10/42 :2010207525 :16/09/2010 :Japan :PCT/JP2011/070113 :05/09/2011 :WO 2012/036005 :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)HOTTA Shin 2)OZAWA Atsushi 3)MARUTANI Kentaro 4)UESAKA Shinichi
Filing Date	:NA :NA	

#### (57) Abstract:

A battery pack capable of preventing manufacture of an altered battery pack by a simple construction and a simple structure is provided. The battery pack has a plurality of secondary batteries and an inspection circuit. Each of the secondary r batteries is previously given an identification mark. When the plurality of secondary > I batteries are classified into a first secondary battery group configured of secondary batteries selected from the plurality of secondary batteries and a second secondary battery group configured of remaining secondary batteries not belonging to the first secondary battery group, the inspection circuit creates a first data string of the secondary batteries configuring the second secondary battery group, based on a predetermined arithmetic rule, from identification marks of the secondary batteries configuring the first; secondary battery group, obtains a second data string by examining identification marks of the secondary batteries configuring the second secondary battery group, subsequently compares the first data string with the second data string, and stops a function of the battery pack when the first data string and the second data string do not match.

No. of Pages: 55 No. of Claims: 11

(21) Application No.2163/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : TERMINAL NUMBER ESTIMATION DEVICE AND TERMINAL NUMBER ESTIMATION METHOD

:H04W4/02,H04W64/00 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)NTT DOCOMO INC. :2011027852 (32) Priority Date Address of Applicant: 11 1 Nagatacho 2 chome Chiyoda ku :10/02/2011 (33) Name of priority country Tokyo 1006150 Japan :Japan (86) International Application No :PCT/JP2012/053194 (72)Name of Inventor: Filing Date :10/02/2012 1)TERADA Masavuki (87) International Publication No :WO 2012/108539 2)YAMAGUCHI Takayasu (61) Patent of Addition to Application 3)OKAJIMA Ichiro :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

A terminal number estimation device includes a first location information acquisition unit containing a terminal ID and an area ID identifying a location area of a mobile terminal, a second location 5 information acquisition unit that acquires second location information containing a terminal ID and coordinate information of the mobile terminal, a correspondence information generation unit that generates correspondence information based on the area ID and the coordinate information using the first and the second location information, an area 10 information acquisition unit that acquires area information containing an area ID and area range information about an area range of an area identified by the area ID, an in-area terminal number acquisition unit that acquires the number of inarea mobile terminals, and a terminal number correction unit that corrects the number of terminals based on 15 the correspondence information and the area information.

No. of Pages: 136 No. of Claims: 12

(22) Date of filing of Application :04/03/2013

:NA

:NA

(43) Publication Date: 31/10/2014

# (54) Title of the invention: REFRIGERATING MACHINE OIL AND WORKING FLUID COMPOSITION FOR REFRIGERATING MACHINES

(71)Name of Applicant: (51) International :C10M105/38,C09K5/04,C10N20/02 classification 1)JX Nippon Oil & Energy Corporation (31) Priority Document No Address of Applicant: 6 3 Otemachi 2 chome Chiyoda ku :2010187577 (32) Priority Date :24/08/2010 Tokyo 1008162 Japan (33) Name of priority (72)Name of Inventor: :Japan country 1)TAKIGAWA Katsuya 2)SAITO Masanori (86) International :PCT/JP2011/067970 Application No 3)OKIDO Takeshi :05/08/2011 Filing Date 4)TAKAHASHI Kuniko (87) International :WO 2012/026303 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to

# (57) Abstract:

**Application Number** 

Filing Date

The refrigerating machine oil of the invention includes an ester of a polyhydric alcohol and a fatty acid, wherein the molar ratio of C4-C6 fatty acid and C7-C9 branched fatty acid in the fatty acid is between I 5 15:85 and 90:10, the C4-C6 fatty acid includes 2-methylpropanoic acid, | and the ratio of the total C4-C6 fatty acid and C7-C9 branched fatty acid in the total fatty acids composing the ester is at least 20 mol%. The working fluid composition for a refrigerating machine according to the invention comprises the refrigerating machine oil, a difluoromethane 10 refrigerant and/or an unsaturated fluorinated hydrocarbon refrigerant.

No. of Pages: 54 No. of Claims: 9

(22) Date of filing of Application :05/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: LED DRIVE DEVICE AND CONTROL METHOD 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>	:30/03/2012 :WO 2013/127031 :NA :NA :NA	(71)Name of Applicant:  1)SUZHOU HETEC ELECTRONIC TECHNOLOGY CO. LIMITED  Address of Applicant: No888 Longqiao Road Wujiang Economic Development Zone Suzhou Jiangsu 215200 China (72)Name of Inventor:  1)ZHANG Hong 2)GU Xiaobin 3)WU Xiaoming 4)CHEN Laijian
Filing Date	:NA	

#### (57) Abstract:

An LED drive device and a control method therefor. The LED drive device comprises a power supply converting unit a micro processing controller (5) and an LED circuit (6). The power supply converting unit comprises a pulse transformer (3) and a switch control circuit (2). A primary winding at the input side of the pulse transformer (3) is connected to a rectification filter circuit (1) through the switch control circuit (2) and a secondary winding and an auxiliary winding at the output side thereof are respectively connected to the power supply ends of the micro processing controller (5) and the LED circuit (6) through a constant voltage control circuit (4). The output end of the micro processing controller (5) is connected to the LED circuit (6). The LED drive device and the control method therefor use the switch control circuit (2) to collect a switch signal of a mechanical light fitting switch and drive the LED circuit (6) to dim through the micro processing controller (5) thereby reducing the power consumption.

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

(19) INDIA

(22) Date of filing of Application :08/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: PHARMACEUTICAL COMPOSITIONS COMPRISING POH DERIVATIVES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:26/08/2011 :WO 2012/027693 :NA :NA	(71)Name of Applicant:  1)NEONC TECHNOLOGIES INC.  Address of Applicant: 10524 South La Cienega Blvd.  Inglewood CA 90304 U.S.A.  (72)Name of Inventor:  1)CHEN Thomas  2)LEVIN Daniel  3)PUPALLI Satish
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

The present invention provides for a derivative of monoterpene or sesquiterpene such as a perillyl alcohol derivative. For example the perillyl alcohol derivative may be a perillyl alcohol carbamate. The perillyl alcohol derivative may be perillyl alcohol conjugated with a therapeutic agent such as a chemotherapeutic agent. The present invention also provides for a method of treating a disease such as cancer comprising the step of delivering to a patient a therapeutically effective amount of a derivative of monoterpene (or sesquiterpene). The route of administration may vary and can include inhalation intranasal oral transdermal intravenous subcutaneous or intramuscular injection.

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

(21) Application No.2165/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 11/03/2013

(43) Publication Date: 31/10/2014

## (54) Title of the invention: THERMOFORM LABELING

(51) International

:B29C51/16,B29C51/02,B32B27/08

classification

(31) Priority Document No :61/381015 (32) Priority Date :08/09/2010

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

(86) International Application :PCT/US2011/050896 :08/09/2011

Filing Date

(87) International Publication :WO 2012/033955

No

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

Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(57) Abstract:

(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)GHIAM Farid F.

2)HOLBERT Victor P.

3)ZAJACZKOWSKI Michael

4)HENDERSON Kevin O.

Processes for forming a thermoformed labeled article are described. Labels are attached to a sheet to be thermoformed or to a section

thereof. Label attachment can optionally use an adhesive. If the label material is completely or partially compatible with the sheet then the use of adhesive may not be necessary. The labels may also receive various graphics or other designs such as by printing. After appropriate placement of the label relative to the sheet the assembly of both sheet and label is thermoformed. After thermoforming a finished and labeled article is produced. Also described are various labels and label assemblies which are uniquely suited for use in the processes described herein.

No. of Pages: 35 No. of Claims: 31

(21) Application No.2126/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: LYOPHILIZED BIOPESTICIDE EFFERVESCENT GRANULE AND PRODUCTION METHOD **THEREOF**

(51) International classification :A01N63/00,A01N25/14 (71)Name of Applicant : (31) Priority Document No :2010/07613 (32) Priority Date :16/09/2010 (33) Name of priority country :Turkey (86) International Application No :PCT/IB2011/053577 Filing Date :11/08/2011 (87) International Publication No :WO 2012/035454

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

#### 1)YEDITEPE UNIVERSITESI

Address of Applicant :Inonu Mahallesi Kayisdagi Caddesi 26

Agustos Yerlesimi Kadikoy 34755 Istanbul Turkey

(72)Name of Inventor: 1)SAHIN Fikrettin

2)DUMAN Gulengul

3)YAZICI Munevver Muge

#### (57) Abstract:

The present invention relates to a granulated lyophilized effervescent biopesticide granule and production method (10) thereof. By means of the inventive method (10) an economical biopesticide with high applicability is obtained which does not have harmful effect on environment and human health and is provided in the form of a single use dosage as powder or granules. In the lyophilized effervescent biopesticide granule production method (10) biopesticide is used as the starter material and milk is used as the surfactant.

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

(19) INDIA

(22) Date of filing of Application :08/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention: COMPOSITION FOR ANTIREFLECTIVE FILM FOR SOLAR CELL ANTIREFLECTIVE FILM FOR SOLAR CELL METHOD FOR MANUFACTURING ANTIREFLECTIVE FILM FOR SOLAR CELL AND SOLAR CELL

 $: H01L31/0216, C08K3/22, C08L101/00 \bigg| \begin{tabular}{c} (71) \textbf{Name of Applicant:} \\ \hline \end{tabular}$ (51) International classification

(31) Priority Document No :2010223306

(32) Priority Date :30/09/2010

(33) Name of priority :Japan country

(86) International :PCT/JP2011/072417 Application No

:29/09/2011 Filing Date

(87) International

:WO 2012/043736 Publication No

:NA

(61) Patent of Addition to

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

**Application Number** Filing Date

1)MITSUBISHI MATERIALS CORPORATION

Address of Applicant: 3 2 Otemachi 1 chome Chiyoda ku

Tokyo 1008117 Japan (72)Name of Inventor: 1)YAMASAKI Kazuhiko 2)HIGANO Satoko 3)IZUMI Reiko

4)HAYASHI Toshiharu

#### (57) Abstract:

This composition for an antireflective film includes a translucent binder, wherein the translucent binder contains either one or both of a polymer type binder and a non-polymer type binder, a content of the translucent binder is in a range of 10 parts by I P mass to 90 parts by mass with respect to 100 parts by mass of a total amount of components other than a dispersion medium, and a refractive index of an antireflective | film which is formed by curing the composition for an antireflective film is in a range of 1.70 to 1.90. This antireflective film includes a translucent binder, wherein the translucent binder contains either one or both of a polymer type binder and a non-polymer type binder, a content of the translucent binder is in a range of 10 parts by mass to 90 parts by mass with respect to 100 parts by mass of a total amount of components, and a refractive index of the antireflective film is in a range of 1.70 to 1.90. This method for manufacturing an antireflective film includes: applying the above-described composition for an antireflective film onto a transparent conductive film by a wet coating method to form an antireflective coating film; and curing the antireflective coating film to form an antireflective film.

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

(21) Application No.2128/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention: GEAR SCHEME FOR INFINITELY VARIABLE TRANSMISSION

(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 (33) Name of priority country SU.S.A. (24) PACT/US2011/047764 (25) Name of Inventor: (27) Name of Inventor: (27) Name of Inventor: (28) International Publication Number SNA	<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/US2011/047764 :15/08/2011 :WO 2012/024225 :NA :NA :NA	(72)Name of Inventor:
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## (57) Abstract:

A gear scheme for an infinitely variable transmission includes an input shaft an output shaft a variator and a pair of planetary gearsets located beside the variator rather than in front of or behind the variator. The variator and the planetary gearsets are coupled between the input and output shafts.

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

(21) Application No.2179/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 11/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: CONNECTING STRUCTURE FOR PRESSURE PIPING

(51) International :F16L21/00,F16L21/02,F16L23/024 classification

(31) Priority Document No :2011004969 (32) Priority Date :13/01/2011 (33) Name of priority country: Japan

(86) International Application :PCT/JP2011/074116

:20/10/2011 Filing Date

(87) International Publication: WO 2012/096042

No

(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)KOBAYASHI Kazumi

Address of Applicant: 8 23 Makuyamadai 7 chome Fukuyama

shi Hiroshima 7210913 Japan 2)KOBAYASHI Masato (72)Name of Inventor:

1)KOBAYASHI Kazumi 2)KOBAYASHI Masato

# (57) Abstract:

The present invention addresses the problem of connecting pressure piping in a fluid-tight manner on-site without requiring welding. A plurality of through holes (hi) are provided in a cylindrical sleeve (la) at separate locations in the lengthwise direction, and with identical angular intervals and without overlapping in the circumferential direction. Non-through holes (h2) in which screw threads have been formed are provided in pressure piping (PI, P2) at locations corresponding to the holes (hi). An insert (2a) is provided with a pair of opposing annular faces (bl, b2), and annular ring grooves (bll, b2l) are formed respectively in the annular faces (bl, b2) to house O-rings (3). The insert (2a) is inserted into the sleeve (la), after which the pressure piping (PI, P2) are inserted one from either side into the interior of the sleeve (la), bolts (4) are inserted into the plurality of holes (hi) in the sleeve (la), and screwed onto the screw threads of the pressure piping (PI, P2).

No. of Pages: 54 No. of Claims: 22

(19) INDIA

(22) Date of filing of Application :07/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: METHOD FOR MANUFACTURING REDUCTIVE STONE MATERIAL USING MOLTEN SLAG

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:201010293048.8 :27/09/2010 :China :PCT/CN2011/079894 :20/09/2011 :WO 2012/041172	(71)Name of Applicant:  1)SHANDONG COKING GROUP CO. LTD.  Address of Applicant :No.97 Liuquan Road Zhangdian Zibo Shandong 255000 China (72)Name of Inventor:  1)WANG Qingtao 2)YU Xianjin 3)ZHAO Xin
` ' '		
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	:20/09/2011	1)WANG Qingtao
(87) International Publication No	:WO 2012/041172	2)YU Xianjin
(61) Patent of Addition to Application	:NA	3)ZHAO Xin
Number	*	4)GONG Benkui
Filing Date	:NA	5)WEI Zhenxia
(62) Divisional to Application Number	:NA	6)LI Yueyun
Filing Date	:NA	7)MING Jun

#### (57) Abstract:

A method for manufacturing a reconstituted stone raw material by using a molten slag includes: controlling a temperature of the molten slag at 1400°C-1500°C, and performing a cast-molding process on the molten slag; and maintaining the cast-molded slag at a temperature of 800°C-1000°C for 1-5 hours in a non-reducing atmosphere, and Ife then gradually cooling the cast-molded slag to a room temperature within 2-5 hours to obtain the reconstituted stone raw material. An energy-saving and efficient method for comprehensively utilizing the blast furnace slag is provided. The produced reconstituted stone raw material has such characteristics as stable color quality, abrasion resistance, pressure resistance, strong adhesiveness, low coefficient of expansion and low shrinkage ratio.

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

(21) Application No.2133/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: CONSTRUCTION MATERIALS AND COMPOSITIONS FROM OIL CONTAINING FILLER

(51) International :C04B26/02,C04B26/26,C04B28/02 classification

(31) Priority Document No :61/381790 (32) Priority Date :10/09/2010 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2011/048039

:17/08/2011 Filing Date

(87) International Publication :WO 2012/033617

No

(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)INNOVATIVE TECHNOLOGIES LLC.

Address of Applicant :P.O. BOX 4089, BAYONNE, NEW JERSEY 07002-8089, UNITED STATES OF AMERICA

(72)Name of Inventor: 1)MONTE Salvatore J.

(57) Abstract:

The present invention relates to construction materials comprising at least one binder at least one oil containing filler and at least one metallate additive according to formula (I): (RO) M (O XR Y) wherein M is one of titanium and zirconium. The present invention also relates to methods of preparing and using the inventive construction materials. The inventive construction material compositions are capable of utilizing oil containing fillers in which the oil is stable in the final composition and the desired mechanical properties of the construction material are maintained or improved.

No. of Pages: 32 No. of Claims: 38

(21) Application No.2134/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: LOCK AND KEY WITH DOUBLE CODE PATTERN

(51) International classification :E05B27/10,E05B19/04 (71)Name of Applicant : (31) Priority Document No 1)WINLOC AG :12/889150 (32) Priority Date Address of Applicant : P.O. Box 4233 Baarerstrasse 43 CH :23/09/2010 (33) Name of priority country 6304 Zug Switzerland :U.S.A. (86) International Application No (72)Name of Inventor: :PCT/SE2011/051133 1)WID%N Bo Filing Date :21/09/2011 (87) International Publication No :WO 2012/039671 (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

The invention relates to a lock and key combination including a cylinder lock with a rotatable key plug having a key slot for receiving a flat key blade (100) on a key and at least two side locking tumblers (201a 201b; 301 302; 401 402) which are guided in associated chambers in the key plug and have transverse fingers (211a 2 11b: 311 312; 411 412a 412b) projecting into the key slot. There is a code pattern (110) in a side recess (115 118) of the key blade comprising at least two separate code surfaces formed on at least one side surface (101) of the key including a primary code surface (131 135; 141; 151) located in an external portion of the side recess and adjoining said one side surface (101) and a secondary code surface (141 145; 142 152) being defined in a groove forming a deeper portion of the side recess. The primary and secondary code surfaces engage with first and second fingers (211b 311 411 and 211a 312 412a) on associated side locking tumblers. Master key systems can be designed by using such locks and keys.

No. of Pages: 35 No. of Claims: 18

(19) INDIA

(22) Date of filing of Application: 11/03/2013

(21) Application No.2186/DELNP/2013 A

(43) Publication Date: 31/10/2014

# (54) Title of the invention: USER INTERFACE

:G06F3/048	(71)Name of Applicant :
:1015720.4	1)GAMMONS Richard
:20/09/2010	Address of Applicant :17 Pages Hill London N10 1PX U.K.
:U.K.	(72)Name of Inventor:
:PCT/GB2011/051772	1)GAMMONS Richard
:20/09/2011	
:WO 2012/038742	
·NA	
*	
.NA	
:NA	
:NA	
	:1015720.4 :20/09/2010 :U.K. :PCT/GB2011/051772 :20/09/2011 :WO 2012/038742 :NA :NA

#### (57) Abstract:

A user interface method comprises: causing a plurality of first objects to be displayed; causing one or more second objects to be displayed each second object associated on the display with one or more of the first objects; and in response to an input causing at least one of the first object to be displayed with decreased prominence and causing at least one second object that is associated with the first object to be displayed such that the relative decrease in prominence of the second object if any is less than the relative decrease in prominence of the first object.

No. of Pages: 61 No. of Claims: 57

(21) Application No.2131/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 08/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: FUEL INJECTOR

(51) International classification :F02M51/06,F02M63/00 (71)Name of Applicant : (31) Priority Document No :10 2010 041 013.6 (32) Priority Date :20/09/2010

(33) Name of priority country :Germany

(86) International Application No :PCT/EP2011/062549 Filing Date :21/07/2011

(87) International Publication No :WO 2012/038115

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

1)ROBERT BOSCH GMBH

Address of Applicant :Postfach 30 02 20 70442 Stuttgart

(72)Name of Inventor: 1)FUCHS Walter

(57) Abstract:

The invention relates to a fuel injector for injecting fuefinto the combustion chamber of an internal combustion engine having a nozzle needle (3) which is guided in a hole (1) of a housing part (2) such that it can move in a reciprocating motion for opening and closing at least one injection opening (4) and a magnet assembly (5) for the direct or indirect actuation of the nozzle needle (3), wherein the magnet assembly (5) comprises an armature component (6) which is of single-piece or multiple-piece configuration and can move in a reciprocating motion. According to the invention, the magnet assembly (5) comprises, furthermore, a sleeve-shaped component (7) in order to enlarge the magnetic circuit, which sleeve-shaped component (7) can be used as a clamping sleeve (8) and/or to connect the housing part (2) to P at least one further housing part (9, 15), with the result that the sleeve-shaped component (7) defines the maximum external diameter D of the fuel injector in the region which is critical for installation space.

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

(21) Application No.2132/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: CAST FIXING DEVICE FOR A WIPER ARM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B60S1/34 :102010040878.6 :16/09/2010 :Germany :PCT/EP2011/063317 :02/08/2011 :WO 2012/034776 :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)BECKER Ewald  2)KRAEMER Godelieve
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to a cast fixing device 2 for a wiper arm 1, having a first receptacle 15 and a second recep - tacle 16, wherein a bearing bush 12 is arranged in the first receptacle 15 to provide an articulated connection to the wiper arm 1, and a locking pin 10 for fixing a spring 9 of the wiper arm 1 is arranged in the second receptacle 16, wherein a securing element o 13; 14 is provided above the bearing bush 12 in the first receptacle 15 and/or above the locking pin 10 in the second receptacle 15, 16 and is designed to block an opening of the corresponding receptacle 15, 16.

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

(19) INDIA

(22) Date of filing of Application :11/03/2013

(21) Application No.2183/DELNP/2013 A

(43) Publication Date: 31/10/2014

(54) Title of the invention : CARRIER VESSEL FOR SUPPLYING PIPES TO AN UNDERWATER PIPELINE LAYING VESSEL AND METHOD AND KIT FOR TRANSFERRING PIPES FROM A CARRIER VESSEL TO AN UNDERWATER PIPELINE 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> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:B63B27/30,B63B35/03 :MI2010A001739 :24/09/2010 :Italy :PCT/IB2010/003362 :29/12/2010 :WO 2012/038776 :NA :NA	(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)ARDAVANIS Kimon 2)ROLLA Edoardo
(61) Patent of Addition to Application Number	:NA	2)ROLLA Edoardo
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A carrier vessel (2) for supplying pipes to a laying vessel (1) has a weather deck (10); a hold (11) for housing the pipes (3); two transfer stations (14) for temporarily housing the pipes (3) in respective given positions and for guiding a gripping device (38) connected to a crane (7); and two manipulators (13) for gripping the pipes (3) in the hold (11) and releasing the pipes (3) in the respective given positions inside the transfer station (14).

No. of Pages: 35 No. of Claims: 22

(21) Application No.2184/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 11/03/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: WIND POWER PRODUCTION WITH REDUCED POWER FLUCTUATIONS

(51) International classification :F03D9/00,F03D7/04,H02J3/24 (71)Name of Applicant :

(31) Priority Document No :PA 2010 00712 (32) Priority Date :13/08/2010

(33) Name of priority country :Denmark

(86) International Application No :PCT/DK2011/050307

Filing Date :10/08/2011 (87) International Publication No :WO 2012/019613

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

:NA Number :NA

Filing Date

1) VESTAS WIND SYSTEMS A/S

Address of Applicant : Hedeager 44 DK 8200 Aarhus N

Denmark

(72)Name of Inventor:

1)TARNOWSKI Germ;n Claudio

# (57) Abstract:

A method of operating at partial load a wind turbine (1) supplying electrical power to an electrical grid (20) includes monitoring stability of the grid; and upon detection of a reduced grid stability changing operation of the wind turbine by limiting wind caused fluctuations of the active power supply to the electrical grid or by reducing an already existing limit to fluctuations of the active power supply.

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

(19) INDIA

(22) Date of filing of Application :11/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: CONTROL OF A WIND POWER PLANT

(51) International classification	:F03D9/00,F03D7/04	(71)Name of Applicant:
(31) Priority Document No	:PA 2010 70357	1)VESTAS WIND SYSTEMS A/S
(32) Priority Date	:12/08/2010	Address of Applicant :Hedeager 44 DK 8200 Aarhus N
(33) Name of priority country	:Denmark	Denmark
(86) International Application No	:PCT/DK2011/050290	(72)Name of Inventor:
Filing Date	:22/07/2011	1)LOVMAND Bo
(87) International Publication No	:WO 2012/019609	2)DALSGAARD S¸ren
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.2185/DELNP/2013 A

#### (57) Abstract:

The invention relates to a method for controlling a wind power plant comprising a plurality of wind turbines being operatively connected to a plant collector grid the method comprising the steps of providing a desired power reference signal; determining the power production of the wind power plant and generating an actual power reference signal in response thereto; comparing the desired power reference signal with the actual power reference signal and performing one of the following steps: 1) applying a first filter characteristic as part of a generation of a wind turbine power reference if the desired power reference signal exceeds the actual power reference signal; or 2) applying a second filter characteristic as part of the generation of the wind turbine power reference if the actual power reference signal exceeds the desired power reference signal wherein the first filter characteristic is different from the second filter characteristic. The invention also relates to a power plant controller a wind power plant and a computer program product.

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

(19) INDIA

(22) Date of filing of Application: 08/03/2013

(21) Application No.2092/DELNP/2013 A

(43) Publication Date: 31/10/2014

# (54) Title of the invention: HETEROARYLMETHYL AMIDES

(51) International classification

:A61K31/4427,A61K31/455,A61K31/506

(31) Priority Document :10175984.3

No

(32) Priority Date :09/09/2010

(33) Name of priority

country

(86) International

:PCT/EP2011/065341 Application No :06/09/2011

:EPO

Filing Date

(87) International :WO 2012/032018

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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Switzerland

(72)Name of Inventor:

1)HEBEISEN Paul

2)ZOFFMANN JENSEN Sannah

3)MATILE Hugues 4)ROEVER Stephan

5)WRIGHT Matthew

## (57) Abstract:

The present invention relates to compounds of the formula I wherein A A A and R to R are defined in the description and to pharmaceutically acceptable salts thereof their manufacture pharmaceutical compositions containing them and their use as medicaments for the treatment and/or prophylaxis of diseases which can be treated with HDL cholesterol raising agents such as particularly dyslipidemia atherosclerosis and cardiovascular diseases.

No. of Pages: 144 No. of Claims: 20

(19) INDIA

(22) Date of filing of Application :08/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: ONE STEP ONE POT PROCESS FOR PREPARING MULTIBLOCK AND GRADIENT COPOLYMER

(51) International classification :C08G63/08,C08G63/64,C08G64/02

(31) Priority Document No :10290502.3 (32) Priority Date :21/09/2010

(33) Name of priority country:EPO

(86) International PCT/EP2011/065226
Application No

Filing Date :02/09/2011

(87) International Publication :WO 2012/038240

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

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

(71)Name of Applicant:

1)TOTAL RESEARCH & TECHNOLOGY FELUY Address of Applicant :Zone Industrielle C B 7181 Seneffe

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2)CENTRE NATIONAL DE LA RECHERCHE

SCIENTIFIQUE (CNRS) (72)Name of Inventor : 1)HELOU Marion 2)GUILLAUME Sophie

3)CARPENTIER Jean Fransois

4)SLAWINSKI Martine 5)GUERIN William

# (57) Abstract:

The present invention relates to the field of tailored di tri and multi block as well as gradient polyesters/polycarbonates copolymers prepared by introducing monomers simultaneously in the reaction medium in the presence of an organometallic metal salt or organic catalyst.

No. of Pages: 48 No. of Claims: 15

(21) Application No.2147/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : MANIPULATOR SYSTEM CONTROL DEVICE MANIPULATOR SYSTEM AND MANIPULATOR SYSTEM CONTROL 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</li> </ul>	:A61B19/00,B25J19/06 :2010203506 :10/09/2010 :Japan :PCT/JP2011/057338 :25/03/2011 :WO 2012/032806 :NA :NA	(71)Name of Applicant:  1)OLYMPUS CORPORATION  Address of Applicant: 43 2 Hatagaya 2 chome Shibuya ku Tokyo 1510072 Japan (72)Name of Inventor:  1)NAMIKI Hirotaka
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A manipulator system comprises a slave control circuit (400) sucn a s the following: When the manipulator system shuts down, the slave control circuit (400) generates shutdown identifier information that denotes the shutdown state o f the manipulator system, stores the shutdown identifier information, and loads the shutdown identifier information when the manipulator system i s activated.

No. of Pages: 34 No. of Claims: 9

(19) INDIA

(22) Date of filing of Application: 08/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: FUNGICIDAL PYRAZOLES

(51) International classification :C07D231/12,A01N43/56 (71)Name of Applicant :

(31) Priority Document No :PCT/IN2010/000549

(32) Priority Date :19/08/2010

(33) Name of priority country :India

(86) International Application No :PCT/US2011/048420

Filing Date :19/08/2011

(87) International Publication No :WO 2012/024586

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

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

1)E. I. DU PONT DE NEMOURS AND COMPANY

Address of Applicant: 1007 Market Street Wilmington DE

19898 U.S.A.

(72)Name of Inventor:

1)KAR Moumita

2)PATEL Kanu Maganbhai

(21) Application No.2148/DELNP/2013 A

#### (57) Abstract:

Disclosed are compounds of Formula (1) including all geometric and stereoisomers oxides and salts thereof wherein Q is a phenyl ring naphthalenyl ring system a 5 to 6 membered fully unsaturated heterocyclic ring or an 8 to 10 membered heteroaromatic bicyclic ring system each as described with optional substituents as defined in the disclosure; Q2 is a phenyl ring a naphthalenyl ring system a 5 to 6 membered saturated partially unsaturated or fully unsaturated heterocyclic ring or an 8 to 10 membered heteroaromatic bicyclic ring system each as described with optional substituents as defined in the disclosure; R is H halogen or C Calkyl; R is halogen; and R and R are as defined in the disclosure. Also disclosed are compositions containing the compounds of Formula (1) and methods for controlling plant disease caused by a fungal pathogen comprising applying an effective amount of a compound or a composition of the invention

No. of Pages: 85 No. of Claims: 12

(21) Application No.2197/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 12/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: AN INTEGRITY MONITORING SYSTEM AND A METHOD OF MONITORING INTEGRITY OF A STATIONARY STRUCTURE

(51) International classification: G01C21/00,G01H9/00,G01M3/24 (71) Name of Applicant:

(31) Priority Document No :PA 2010 01005 (32) Priority Date :05/11/2010

(33) Name of priority country :Denmark (86) International Application

:PCT/DK2011/050415

:03/11/2011 Filing Date

(87) International Publication :WO 2012/059108 No

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

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

Filing Date

1)NKT CABLES GROUP A/S

Address of Applicant: Vibeholms Alle 25 DK 2605 Br. ndby

Denmark

2)ENERGINET.DK (72)Name of Inventor:

1)HANSEN Henrik Roland

2)H~JSGAARD Lars

3)MAIWALD Dirk

#### (57) Abstract:

The invention concerns an integrity monitoring system for monitoring integrity of at least a part of a stationary structure. The system comprises a vibration sensor for sensing vibration as a function of time, a computer, transmitting means for transmitting vibration data from the vibration sensor to the computer, means for acquiring position as a function of time data of a movable object, such as a vessel, a vehicle or a digging tool, where the movable object comprises a transmitter, and transmitting the position as a function of time data to the computer when the movable object is within a selected distance to a monitoring site. The monitoring site comprises the part of the stationary structure to be monitored and the vibration sensor is arranged to sense vibrations within the monitoring site. The computer comprises hardware and software for comparing the vibration data with the position as a function of time data.

No. of Pages: 80 No. of Claims: 96

(21) Application No.1933/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: ROGOWSKI COIL 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>	:G01R15/18 :10173535.5 :20/08/2010 :EPO :PCT/EP2011/064211 :18/08/2011 :WO 2012/022779 :NA :NA	(71)Name of Applicant:  1)ALSTOM TECHNOLOGY LTD  Address of Applicant: Brown Boveri Strasse 7 CH 5400  Baden Switzerland (72)Name of Inventor:  1)HOBELSBERGER Max  2)GERBER Dominic
e e e e e e e e e e e e e e e e e e e	:NA :NA	

## (57) Abstract:

The present invention relates to a Rogowski coil assembly (1) for measurement of high frequency electrical currents comprising coil segments (3) disposed in series with retrospective impedance influence reduction coupling.

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

(21) Application No.1935/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: SOLAR TOWER WITH INTEGRATED GAS TURBINE

(51) International classification :F02C1/05,F03G6/06,F03G6/00 (71)Name of Applicant :

(31) Priority Document No :10 2010 036 900.4

(32) Priority Date :06/08/2010 (33) Name of priority country :Germany

(86) International Application No :PCT/EP2011/063532

Filing Date :05/08/2011

(87) International Publication No :WO 2012/017078

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

Number :NA Filing Date

1)ALSTOM TECHNOLOGY LTD

Address of Applicant :Brown Boyeri Strasse 7 CH 5400

Baden Switzerland (72)Name of Inventor: 1)WIEGHARDT Kai

## (57) Abstract:

A solar tower (1) comprises a solar radiation receiver (4) and a gas turbine engine (2). The gas turbine engine (2) is vertically arranged within the tower and comprises in downward flow series: a compressor (3) for compressing ambient air (15) drawn through at least one air inlet at an upper end of the tower a heating arrangement (4) for heating compressed air from the compressor the solar radiation receiver comprises at least part of the heating arrangement and a turbine (5) for extracting work from the heated compressed air. The gas turbine engine (2) is integrally formed with the solar tower (1) and the gas heating arrangement of the gas turbine engine (2) is integrally formed with the solar radiation receiver (4).

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

(21) Application No.1991/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: DESULFATION DEVICE AND DESULFATION METHOD

(51) International classification :H01M10/42,H
(31) Priority Document No :2010188043
(32) Priority Date :25/08/2010
(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/004406 Filing Date :03/08/2011

(87) International Publication No :WO 2012/026071
(61) Patent of Addition to Application
Number :NA :NA
(62) Divisional to Application Number :NA :NA
Filing Date :NA

:H01M10/42,H01M10/54 (71)Name of Applicant :

1)T & K CO. LTD.

Address of Applicant :405 Akitsuki heights 1 12 6 Sakae Naka ku Nagoya shi Aichi 4600008 Japan

(72)Name of Inventor:

1)KONDO Toshihiko

#### (57) Abstract:

A desuliation device (10) employs a pulsed waveform driver signal with a pulse duration of 1.6psec. and a frequency of 20,000Hz to drive a switching circuit (140). When the switching circuit (140) is on, a 500mA current is extracted from a battery via a resistor (Rl), said current extraction being interrupted when the switching circuit (140) is off. When the switching circuit (140) is off, a counter electromotive force and a countercurrent are supplied to the battery. The countercurrent thus supplied is a negative spike-shaped current, and the action of the current on the battery electrodes removes the sulfation that is deposited on the battery electrodes. Increases in temperature of the desulfation device (10) while the device is in operation are also kept under control.

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

(19) INDIA

(22) Date of filing of Application :08/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: ARTICULATION JOINT FEATURES FOR ARTICULATING SURGICAL DEVICE

# (57) Abstract:

An electrosurgical device comprises a body an end effector a cutting member and a shaft. The end effector includes a pair of jaws that are operable to deliver RF energy to tissue that is clamped between the jaws. The cutting member is operable to sever tissue that is clamped between the jaws. The shaft extends between the body and the end effector. The shaft includes an articulation section that is operable to selectively position the end effector at non parallel positions relative to the longitudinal axis of the shaft. Some versions include a rotation section that is distal to the articulation section. The rotation section is operable to rotate the end effector relative to the articulation section.

No. of Pages: 88 No. of Claims: 20

(19) INDIA

(22) Date of filing of Application :12/03/2013 (43) Publication Date : 31/10/2014

(54) Title of the invention: REGENERATIVE LAYING PIPE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:02/09/2011 :WO 2012/033710 :NA :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)FIORUCCI Keith 2)LASHUA Christopher
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(21) Application No.2202/DELNP/2013 A

### (57) Abstract:

A laying pipe configured for rotation about its axis in a rolling mill laying head comprises a metal outer tube (34) having an entry section aligned with its axis an intermediate section curving away from its axis and a delivery section having a constant radius measured from its axis. A metal inner tube (36) has entry intermediate and delivery sections respectively lining the entry intermediate and delivery sections of the outer tube. The inner tube is constrained against movement relative to the outer tube solely by frictional contact with the outer tube. The inner tube is movable incrementally within the outer tube in one direction in response to heating and cooling cycles during rotation of the laying pipe about its axis.

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

(19) INDIA

(22) Date of filing of Application :11/03/2013

(21) Application No.2157/DELNP/2013 A

(43) Publication Date: 31/10/2014

# (54) Title of the invention: EVALUATION OF SCATTERED LIGHT SIGNALS IN AN OPTICAL ALARM SYSTEM AND EVALUATING BOTH A WEIGHTED SMOKE DENSITY SIGNAL AND A WEIGHTED DUST/STEAM DENSITY SIGNAL

(51) International classification	:G08B17/107	(71)Name of Applicant:
(31) Priority Document No	:10 2011 083 939.9	1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date	:30/09/2011	Address of Applicant: Wittelsbacherplatz 2 80333 M <sup>1</sup> / <sub>4</sub> nchen
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2012/068875	(72)Name of Inventor:
Filing Date	:25/09/2012	1)FISCHER Martin
(87) International Publication No	:WO 2013/045446	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) A1		•

## (57) Abstract:

The invention relates to a method for evaluating two scattered light signals (IR BL) in an optical alarm system (1) operating according to the scattered light principle. The particles with light which are to be detected are irradiated in a first and second wavelength range. The light scattered by the particles is converted into a first and a second non standardized scattered light signal (IR BL). The two scattered light signals (IR BL) are standardized with respect to one another in such a way that their amplitude profile for relatively large particles such as dust and steam approximately corresponds. Furthermore the two standardized scattered light signals (IR BL) are transformed into in each case a polar angle and in each case a distance as a polar coordinate of a polar coordinate system. Finally in each case a smoke density signal (R) and a dust/steam density signal (SD) are formed from a current distance value (L) wherein for this purpose the respective current distance value (L) is weighted as a function of a current polar angle value (a) in opposite directions to one another. Finally the weighted smoke density signal (R) and the weighted dust/steam density signal (SD) are output for a possible further evaluation with respect to fire detection variables. The invention also relates to a corresponding optical alarm system.

No. of Pages: 24 No. of Claims: 11

(21) Application No.2158/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 11/03/2013 (43) Publication Date: 31/10/2014

#### (54) Title of the invention: ECHO LIGHT COMPLEX

(51) International :G09F19/18,G09F19/22,G09F21/04 classification

(31) Priority Document No :12/805662

(32) Priority Date :12/08/2010 (33) Name of priority country: U.S.A.

(86) International Application :PCT/EP2011/004036

:11/08/2011 Filing Date

(87) International Publication :WO 2012/019769 No

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

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

Number :NA Filing Date

(57) Abstract:

(71)Name of Applicant: 1)TAHERLOO Babak

Address of Applicant : Emdrupvej 87 1TH DK 2100 ~ sterbro

Denmark

(72)Name of Inventor: 1)TAHERLOO Babak

The invention Echo Light Complex relates to broadcasting media content to passengers of vessels. The term vessel will throughout this document and henceforth be used as a general term for any tool machine vehicle train vessel ship aircraft and any utility used for transport. The invention Echo Light Complex broadcast media content to passengers of vessels by displaying visual media content on the surroundings of vessel with the help of projectors so that it can be viewed from inside the transport tool by the passengers to receive the audio content associated with the visual media being displayed. Units and components of the invention which is to be placed outside the vessel will be protected by a cabinet which allows the electronic and electrical components to work outside in the open air. The invention has many features which allows the passengers, transport tool operators, and the broadcasters of the media to have most possible usability and functionality regarding the use, update, maintenance and personalization of the invention for the benefit and best use of them all.

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

(21) Application No.2207/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 12/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: CANTILEVER FAN

(51) International :F04D33/00,F04D29/00,F04D35/00

classification

(31) Priority Document No :61/376858 (32) Priority Date :25/08/2010 (33) Name of priority country: U.S.A. (86) International Application :PCT/US2011/048394

No

:19/08/2011 Filing Date

(87) International Publication :WO 2012/027215

(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)INFLUENT CORPORATION

Address of Applicant: 10201 Maple Leaf Court Ashland

Virginia 23005 U.S.A. (72)Name of Inventor: 1)LUCAS Timothy S.

(57) Abstract:

A cantilever fan including a cantilever blade that is clamped at one end. The fan includes an actuator that applies a periodic force to the blade resulting in periodic deflections of the blade.

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

(21) Application No.2208/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : AGENT FOR IMPROVEMENT IN SURVIVAL OF LACTIC ACID BACTERIUM AND/OR BIFIDOBACTERIUM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C12N1/20,A23C9/13 :2010184086 :19/08/2010 :Japan :PCT/JP2011/068654 :18/08/2011 :WO 2012/023578 :NA :NA	(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)OCHI Daisuke 2)KIMURA Katsunori
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention relates to an agent for improving the survival of a lactic acid bacterium and/or a bifidobacterium, which comprises an amino acid as an active ingredient. The present invention can improve the survival of a lactic acid bacterium and a bifidobacterium, which are probiotics, under acidic environments (i.e. having low pH values).

No. of Pages: 25 No. of Claims: 24

(21) Application No.2164/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: SOLID PHASE BIOMASS CARBON STORAGE (SPBCS)

(51) International classification	n:C10L1/02,C07C31/08,G06Q99/00	(71)Name of Applicant:
(31) Priority Document No	:61/374953	1)RHODES James S.
(32) Priority Date	:18/08/2010	Address of Applicant :6230 Calle Majorca La Jolla CA 92037
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application	:PCT/US2011/045580	(72)Name of Inventor:
No	:27/07/2011	1)RHODES James S.
Filing Date	.27/07/2011	
(87) International Publication	:WO 2012/024068	
No	. W O 2012/024000	
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date	.1171	
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	-1 14 E	

# (57) Abstract:

A computerized method of using a data processor having a memory to account for carbon flows and determine a regulatory value for a biofuel includes (i) storing in memory a first set of one or more carbon flow values characterizing the production and use of a biofuel wherein the biofuel is derived from a first fraction of an agricultural biomass (ii) storing in memory a second set of one or more carbon flow values characterizing the sequestration of solid phase biomass carbon wherein the solid phase biomass carbon is derived from a second fraction of the agricultural biomass and wherein the sequestration mitigates anthropogenic greenhouse gas emission and (in) calculating using the data processor a regulatory value for the biofuel from the first and second sets of carbon flow values.

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

:NA

:NA

:NA

(21) Application No.2211/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: COLOR FILTER SUBSTRATE AND LIQUID CRYSTAL DISPLAY DEVICE

(51) International (71)Name of Applicant: :G02F1/1335,G02B5/20,G02F1/1337 classification 1)TOPPAN PRINTING CO. LTD. (31) Priority Document No :2010222813 Address of Applicant :5 1 Taito 1 chome Taito ku Tokyo (32) Priority Date :30/09/2010 1100016 Japan (33) Name of priority (72)Name of Inventor: :Japan 1)HIBAYASHI Yasuhiro country (86) International 2)FUKUYOSHI Kenzo :PCT/JP2011/072168 Application No :28/09/2011 Filing Date (87) International :WO 2012/043620 Publication No (61) Patent of Addition to :NA

#### (57) Abstract:

**Application Number** 

Filing Date (62) Divisional to

**Application Number** 

Filing Date

Provided is a color filter substrate for a liquid crystal display device, which carries out a regular display, carrying out a tone display, and a bright dynamic display, said color filter substrate comprising: a transparent substrate; a transparent conductive iilm formed upon the transparent substrate; a black matrix formed upon the transparent conductive film, further comprising a plurality of pixel regions which are aperture parts that are segmented into polygonal pixel shapes having two parallel sides; a first transparent resin layer formed so as to cover portions corresponding to the two parallel sides of the black matrix; a chroma layer formed in the pixel regions; and a second transparent resin layer formed upon the chroma layer, further comprising a linear trench which passes through the center of the pixel regions.

No. of Pages: 94 No. of Claims: 13

(21) Application No.2212/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : EXTERNAL FITMENT WITH ANTI FLOW BLOCKING FEATURE FOR ASEPTIC PACKAGE AND METHOD OF USE

(31) Priority Document No       :61/383041       1)F         (32) Priority Date       :15/09/2010       A         (33) Name of priority country       :U.S.A.       18969         (86) International Application No       :PCT/US2011/051538       (72)N	Name of Applicant: FRES CO SYSTEM USA INC. Address of Applicant: 3005 State Road Telford Pennsylvania 69 1033 U.S.A. Name of Inventor: PRITCHARD Barry
--	--

#### (57) Abstract:

A package a fitment and method for dispensing a flowable material is disclosed. The package includes a hollow body formed of a flexible material and a fitment secured thereto. The fitment includes an outer gland and a plunger and overlies a frangible penetration zone in the hollow body of the package. The outer gland includes a passageway extending through it. The plunger has a cylindrical wall defining a hollow interior and a free end disposed within the passageway of the gland. The plunger is arranged to be moved along the passageway so that its free end penetrates through the penetration zone into the interior of the package to provide an exit port for the material. The free end of the plunger also serves to hold portions of the walls of the package away from the exit port to prevent blockage thereof.

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

(21) Application No.2213/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 12/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: IMPROVED METHOD OF CO SPUTTERING ALLOYS AND COMPOUNDS USING A DUAL C MAG CATHODE ARRANGEMENT AND CORRESPONDING APPARATUS

:C23C14/35,H01J37/34,C03C17/00 (71)Name of Applicant : (51) International

classification (31) Priority Document No :12/923389 (32) Priority Date :17/09/2010

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

(86) International Application :PCT/US2011/000982

No :01/06/2011 Filing Date

(87) International Publication

:WO 2012/036718

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

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

Filing Date

1)CENTRE LUXEMBOURGEOIS DE RECHERCHES POUR LE VERRE ET LA CERAMIQUE SARL (C.R.V.C)

Address of Applicant : Zone Industrielle Wolser L 3452

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(72)Name of Inventor: 1)DIETRICH Anton

2)OCONNOR Kevin 3)BLACKER Richard

# (57) Abstract:

Certain example embodiments of this invention relate to techniques for sputter depositing a thin film(s) including two or more materials using targets such as rotating cylindrical sputtering targets including a method and apparatus. Magnet bar assemblies in first and second adjacent sputtering targets are oriented differently. The different orientations of the magnet bar assemblies allows material from the second target to be sputtered onto the first target or vice versa. The mixture of material on the first target including sputtering material from both the first and second targets is then sputtered onto a substrate to form a sputter deposited thin film that includes a mixture of the sputtering materials from the targets.

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

(21) Application No.2125/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 08/03/2013 (43) Publication Date: 31/10/2014

#### (54) Title of the invention: ELECTROACTIVE MATERIAL

(51) International :C01B33/02,C30B29/06,C30B29/60 classification

(31) Priority Document No :1014707.2 :03/09/2010 (32) Priority Date

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

(86) International Application :PCT/GB2011/001299

:02/09/2011 Filing Date

(87) International Publication: WO 2012/028858

No

(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)NEXEON LIMITED

Address of Applicant :136 Milton Park Abingdon Oxfordshire

OX14 4SB U.K.

(72)Name of Inventor: 1)GREEN Mino

## (57) Abstract:

A composition comprising a plurality of elongate elements and a plurality of particles is provided for use in a lithium ion battery. The elongate elements and particles each comprising a metal or semi metal selected from one or more of the group comprising silicon tin germanium and aluminium or mixtures thereof. The composition may include additional ingredients such as a binder a conductive material and a further electro active material such as graphite. The compositions can be used for the fabrication of electrodes preferably anodes in the manufacture of lithium ion batteries and optionally batteries based on magnesium ions or sodium ions. The silicon comprising composition is able to intercalate and release lithium during the charging and discharging cycles respectively of a battery into which it has been incorporated. Methods of fabricating the composition of the first aspect of the invention and electrodes including the composition are included as well as electrodes thus prepared and devices including such electrodes.

No. of Pages: 45 No. of Claims: 69

(21) Application No.2176/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : CABLE INSTALLATION FOR PIVOTING A SUPPORT STRUCTURE FOR PHOTOVOLTAIC MODULES OR COMPARABLE DEVICES

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:H01L31/042,F24J2/00 :BZ2010A00034 :13/09/2010 :Italy :PCT/EP2011/065209	(71)Name of Applicant: 1)CZALOUN Johann Address of Applicant:Kirchsteig 3 I 39012 Meran Italy (72)Name of Inventor: 1)CZALOUN Johann
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:02/09/2011 :WO 2012/034873 :NA :NA :NA :NA	

## (57) Abstract:

The invention relates to a cable installation with a support structure (2) that is hinged to a base structure (3) about a first axis. According to the invention, a rotatable deviating roller (9, 10) is provided at each end of the support structure (2) for a continuous transmitting element that is fixed at one end to an area (7) of the base structure (3) while the other end of the continuous element (6) is fixed to an area (8) of the base structure (3), and the continuous element (6) can be wound or unwound on a winch (11) between the deviating rollers (9, 10).

No. of Pages: 12 No. of Claims: 7

(21) Application No.2177/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: FINGER PRESSURE TOOL FOR FACE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A61H39/04 :2010238437 :25/10/2010 :Japan :PCT/JP2010/071209 :29/11/2010 :WO 2012/056594 :NA :NA	(71)Name of Applicant:  1)SEILIN & CO.  Address of Applicant:11 18 Aobadai 1 chome Meguro ku Tokyo 1530042 Japan (72)Name of Inventor:  1)TARUMI Yoshiko
(62) Divisional to Application Number Filing Date	:NA :NA	
(55) 11		•

## (57) Abstract:

Provided is a facial finger-pressure tool capable of accelerating alleviation of asthenopia. A finger-pressure protrusion (8) is provided on an inner side of a front portion (11) and a temple portion (17) of a goggles frame (1), at a position corresponding to at least one acupuncture point around an eye, wherein the goggles frame (1) is made of a flexible material.

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

(19) INDIA

(22) Date of filing of Application: 11/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: AGROCHEMICAL CONCENTRATES COMPRISING ALKOXYLATED ADJUVANTS

(51) International :A01N25/04,A01N25/30,A01N43/54 classification

(31) Priority Document No :10188306.4 (32) Priority Date :21/10/2010

(33) Name of priority ·EPO country

(86) International

:PCT/EP2011/068435 Application No

:21/10/2011 Filing Date

(87) International :WO 2012/052545 Publication No

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

:NA

**Application Number** :NA Filing Date

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3)CALVO Jose Luis 4)THOMSON Niall Rae

5)MULQUEEN Patrick Joseph 6)BASSETT CROSS Alexander

7)FITZJOHN Steven 8)HARRIS Antony

# (57) Abstract:

The present invention relates to methods of reducing the viscosity of an aqueous agrochemical concentrate comprising a) an adjuvant selected from an alkoxylated aliphatic acid an alkoxylated aliphatic alcohol an alkoxylated aliphatic amide and an alkoxylated aliphatic amine wherein the concentration of adjuvant in the aqueous agrochemical concentrate is at least 50 g/l; the method comprising including b) a compound selected from: i. an aryl sulphonate; ii. an aliphatic mono alcohol; iii. an aliphatic polyol comprising at least four contiguous carbon atoms; and iv. anaryl alcohol; in the aqueous agrochemical concentrate; wherein the aqueous agrochemical concentrate comprises an agrochemical active ingredient. The invention also relates to the agrochemical concentrates and methods of using the agrochemical concentrates for controlling or preventing infestation of plants by phytopathogenic microorganisms.

No. of Pages: 35 No. of Claims: 30

(19) INDIA

(22) Date of filing of Application :12/03/2013

(21) Application No.2226/DELNP/2013 A

(43) Publication Date: 31/10/2014

(54) Title of the invention: DOWEL PIN

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:F16B19/00 :102010041340.2 :24/09/2010 :Germany :PCT/EP2011/065013 :31/08/2011 :WO 2012/038216 :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)SANTAMARIA Angelo 2)DUTT Andreas 3)ALEKER Jochen
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# (57) Abstract:

The invention relates to a dowel pin for pressing into a hollow cylindrical receptacle (28), wherein the dowel pin (30) is sleeve-shaped, and comprises, at the circumference thereof, at least one slit (34) that is continuous in the longitudinal direction of the dowel pin (30), and by means which the dowel pin (30) can be elastically deformed in the radial direction. The radial elasticity of the dowel pine (30) is variable over the longitudinal extension (L) thereof.

No. of Pages: 12 No. of Claims: 11

(19) INDIA

(22) Date of filing of Application :07/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: MANUFACTURE OF A ROTOR BLADE FOR A WIND TURBINE

(51) International classification :F03D3/06,B29C65/52 (71)Name of Applicant : (31) Priority Document No 1)REPOWER SYSTEMS SE :10 2010 042 327.0 (32) Priority Date Address of Applicant :berseering 10 22297 Hamburg Germany :12/10/2010 (33) Name of priority country (72)Name of Inventor: :Germany (86) International Application No 1)ZELLER Lenz Simon :PCT/EP2011/004964 2)GNTHER Maik Filing Date :05/10/2011 (87) International Publication No :WO 2012/048813 (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

The invention relates to a method for producing a rotor blade (5) of a wind turbine (1) from at least a first rotor blade element (11, 11, 12, 12) and a second rotor blade element (11, 11, 12, 12). The method according to the invention is further developed in that the first rotor blade element (11, 11, 12, 12) and the second rotor blade element (11, 11, 12, 9 12) are positioned in the desired relative arrangement with respect to each other such that a joint gap (13) remains between the first rotor blade element (11, 11, 12, 12) and the second rotor blade element (11, 11, 12, 12), wherein adhesive is introduced into the joint gap (13) for joining the first rotor blade element (11, 11, 12, 12) and the second rotor blade element (11, 11, 12, 12). The invention further relates to a manufacturing unit for producing a rotor blade (5) according to the method according to the invention. The invention also relates to an accordingly produced rotor blade (5) and a wind turbine (1) having a rotor blade (5) according to the invention.

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

(21) Application No.2129/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: ZINC OXIDE PARTICLES AND COSMETIC MATERIAL

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C01G9/02,A61K8/27,A61Q17/04 :2010204745 :13/09/2010	(71)Name of Applicant:  1)SAKAI CHEMICAL INDUSTRY CO. LTD.  Address of Applicant: 5 2 Ebisujima cho Sakai ku Sakai shi
(33) Name of priority country	:Japan	Osaka 5908502 Japan
(86) International Application No Filing Date	:PCT/JP2011/070588 :09/09/2011	(72)Name of Inventor: 1)HASHIMOTO Mitsuo 2)HAKOZAKI Hiroshi
(87) International Publication No	:WO 2012/036082	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA :NA	

# (57) Abstract:

To obtain large zinc oxide panicles which have excellent transparency and capabilities such as mirared reflection and do not have a negative effect on texture when added to a cosmetic product, and to obtain a cosmetic material m which the zinc oxide particles are mixed. [Solution] Zinc oxide particles characterized in that the average particle size i s 3 t o 2 0 mpi, the average friction coefficient i s 3 o r less, the total visit) l e light transmittance i s 85% or greater, and the near infrared reflect tivity i s 80% o r greater.

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

(21) Application No.2181/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: TRIAZINE OXADIAZOLES

(51) International classification	:C07D413/04,C07D413/14,C07D417/14	(71)Name of Applicant: 1)NOVARTIS AG
(31) Priority Document No	:61/382158	Address of Applicant :Lichtstrasse 35 CH 4056 Basel Switzerland
(32) Priority Date	:13/09/2010	(72)Name of Inventor:
(33) Name of priority	:U.S.A.	1)BARKER Oliver
country	.U.S.A.	2)BENTLEY Jonathan
(86) International	:PCT/EP2011/065868	3)BOCK Mark G.
Application No	:13/09/2011	4)CAIN Thomas
Filing Date	.13/13/12011	5)CHOVATIA Praful
(87) International	:WO 2012/035023	6)DOD Jennifer Ruth
Publication No		7)EUSTACHE Florence
(61) Patent of Addition to	O:NA	8)GLEAVE Laura
Application Number	:NA	9)HARGRAVE Jonathan
Filing Date		10)HEIFETZ Alexander
(62) Divisional to	:NA	11)LAW Richard
Application Number	:NA	12)RAOOF Ali
Filing Date		13)WILLOWS David

# (57) Abstract:

The invention relates to new derivatives of formula (I) wherein the substituents are as defined in the specification; to processes for the preparation of such derivatives; pharmaceutical compositions comprising such derivatives; such derivatives as a medicament; such derivatives for the treatment of chronic pain.

No. of Pages: 370 No. of Claims: 20

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(21) Application No.2182/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: COMESTIBLE 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> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:61/380577 :07/09/2010 :U.S.A.	(71)Name of Applicant:  1)OCEAN NUTRITION CANADA LIMITED  Address of Applicant: 101 Research Drive Dartmouth NS B2Y 4T6 Canada (72)Name of Inventor:  1)TANG Dongming 2)CLOUTIER Sylvie
· /		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

Disclosed are comestible emulsions that comprise polyunsaturated fatty acids and methods of preparing them. The emulsions remain clear or semi clear upon dilution. The emulsions comprise one or more polyunsaturated fatty acids or derivatives thereof one or more emulsifiers one or more organic solvents and one or more polyols in a water solution. The emulsions are particularly suited for incorporation into beverages.

No. of Pages: 29 No. of Claims: 49

(19) INDIA

(22) Date of filing of Application: 12/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: PROCESS FOR PREPARING 2 HYDROXYBUTYROLACTONE

(51) International classification :C07D307/33,C07C29/09 (71)Name of Applicant :

(31) Priority Document No :1058440 (32) Priority Date :15/10/2010

(33) Name of priority country :France

(86) International Application No :PCT/FR2011/052417

Filing Date :17/10/2011 (87) International Publication No :WO 2012/049435

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

(62) Divisional to Application Number :NA Filing Date :NA 1)ADISSEO FRANCE S.A.S.

Address of Applicant :Immeuble Antony Parc II 10 place du

Gnral de Gaulle F 92160 Antony France

(72)Name of Inventor: 1)MONBRUN Jr'me 2) HENRYON Vivien

### (57) Abstract:

The invention relates to a method for preparing 2-hydroxybutyrolactone (2HBL) from a compound or its salt or its oligomers, said compound fitting formula (I) CH3-S-CH2CH2CR1R2R3 Wherein R1 represents H R2 represents a group selected from OH; OR4 and OCOR4 wherein R4 represents a group selected from linear, cyclic, alicyclic or branches alkyl groups having from 1 to 10 carbon atoms, and aryl groups having from 6 to 10 carbon atoms, optionally substituted with substituent(s) selected from linear or branched alkyl groups having from 1 to 10 carbon atoms, halogens and hydroxyl, amino, nitro and alkoxy groups having from 1 to 10 carbon atoms; and OSiRRR wherein R, R and R are selected independently of each other from linear, cyclic, alicyclic or branched alkyl groups having from 1 to 10 carbon atoms, aryl groups having from 6 to 10 carbon atoms, optionally substituted with substituent(s) selected from linear or branched alkyl groups having from 1 to 10 carbon atoms, or R1 and R2 represent together =0, R3 represents COOH or a COOR5 group wherein R5 represents a group selected from linear, cyclic, alicyclic or branched alkyl groups having from 1 to 10 carbon atoms, benzyl groups and benzyl groups substituted with one or two substituents selected from linear or branched alkyl groups having from 1 to 10 carbon atoms, halogens and hydroxyl, amino, nitro and alkoxy groups having from 1 to 10 carbon atoms, or R3 represents a cyano group, method according to which a sulfonium of said compound is obtained, said sulfonium fitting the formula (II) [CH3][CH2CH2CR1 R2CR3][CR6R7R8]S+ Xwherein R1, R2 and R3 have the above definition, and R6 and R7 are selected independently of each other from H, linear, cyclic, alicyclic or branched alkyl groups having from 1 to 10 carbon atoms, and aryl groups having from 6 to 10 carbon atoms, optionally substituted with substituent(s) selected from linear or branched alkyl groups having from 1 to 10 carbon atoms, halides and hydroxyl, amino, nitro and alkoxy groups having from 1 to 10 carbon atoms; R8 is selected from H, linear, cyclic, alicyclic or branched alkyl groups having from 1 to 10 carbon atoms, aryl groups having from 6 to 10 carbon atoms, optionally substituted with substituent(s) selected from linear or branched alkyl groups having from 1 to 10 carbon atoms, and attractor groups notably those comprising a function selected from acid, ester, cyano functions and X represents a counterion, and the thereby obtained sulfonium is hydrolyzed and 2,4-dihydroxybutyric acid or its salt is cyclized into 2hydroxybutyrolactone.

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

(19) INDIA

(22) Date of filing of Application :07/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : METHOD AND CHARGING STATION FOR ELECTRICALLY CHARGING AN ELECTRICAL ENERGY STORE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H02J7/00 :10 2010 042 227.4 :08/10/2010 :Germany :PCT/EP2011/064745 :26/08/2011 :WO 2012/045524 :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)PETEREIT Steffen  2)KOCH Christoph  3)GRAEFENSTEIN Juergen  4)FINCHAM Stephen  5)ALBERT Amos
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# (57) Abstract:

The invention relates to a method for electrically charging an electrical energy store (201, 303) by means of a charging station (101, 501), wherein electrical docking of the electrical energy store (201, 303) in the charging station (101, 501) is detected, characterized in that the charging station (101, 501) supplies electrical charging energy to the docked energy store (201, 303) when communication signals which are exchanged between the charging station (101, 501) and the docked energy store (201, 303) are detected. The invention also relates to a charging station (101, 501), to an electrical energy store (201, 303) and to a mobile device (301, 509).

No. of Pages: 31 No. of Claims: 11

(21) Application No.2083/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : METHOD AND DEVICE FOR DIAGNOSING CRANKCASE VENTILATION OF INTERNAL COMBUSTION 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>	:F02D41/22,F01M13/00 :10 2010 040 900.6 :16/09/2010 :Germany :PCT/EP2011/065450 :07/09/2011	(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant: Postfach 30 02 20 70442 Stuttgart  Germany  (72)Name of Inventor:  1)KUHN Daniel
(87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:WO 2012/034907 :NA :NA	2)MICHAEL Stefan
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to a method for checking the operation of a ventilation device for ventilating a crankcase (12) of an internal combustion engine (2), wherein the crankcase (12) is connected to an air supply system (3) of the internal combustion engine (2) via the ventilation device (7), said method comprising the following steps: determining a pressure j difference (Poiff) between an ambient pressure and a crankcase pressure in the crankcase (12); detecting a fault in the ventilation device (7) on the basis of the pressure difference (PDiff) when a release condition is met; wherein the release condition is met when the amount of an air mass flow in the air supply system (3) which is filtered by a low-pass filter (21) exceeds a first threshold value.

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

(21) Application No.2084/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: MULTI BALLISTIC IMPACT RESISTANT ARTICLE

(31) Priority Document No:10(32) Priority Date:08(33) Name of priority country:EF(86) International Application No:PCFiling Date:07	7/09/2011 VO 2012/032082 JA JA	(71)Name of Applicant:  1)DSM IP ASSETS B.V.  Address of Applicant: Het Overloon 1 NL 6411 TE Heerlen Netherlands (72)Name of Inventor:  1)ES VAN Martin Antonius 2)JENSZ Ronnie Jacob 3)CUMMINS David Michael
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# (57) Abstract:

The invention relates to a multi ballistic impact resistant article comprising a plurality of stacked monolayers (103) at least part of the monolayers (103) containing at least one polyolefin tape characterized in that said plurality of stacked monolayers (103) has a total areal density of less than 200 Kg/m2 and wherein said article is able to withstand at least three ballistic impacts from 20 mm FSP without complete penetration.

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

(21) Application No.2190/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: RIGID HULL GAS CAN BUOYS VARIABLE BUOYANCY

(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 Number Filing Date (62) Divisional to Application Filing Date (51) International classification (51) International Application 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) International Classification (75) Name of Applicant: (76) Address of Applicant: (77) Name of Applicant: (71) Name of Applicant: (71) Name of Applicant: (71) Name of Applicant: (72) Name of Inventor: (72) Name of Applicant: (73) Name of Applicant: (74) Name of Applicant: (74) Name of Applicant: (75) Name of Inventor: (75) Name of Applicant: (75) Name of Inventor: (76) Name of Inventor: (77) Name of Inventor: (77) Name of Inventor: (78) Name of Inventor: (79) Name of Invento	t. No. 3103 Arlington
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# (57) Abstract:

The present invention is an apparatus and method directed to a variable buoyancy gas can buoyancy module or buoy having a flexible barrier between a variable volume gas chamber in the gas can hull and water in the hull. More specifically the present invention is directed to a variable buoyancy module for a Self Supporting Riser (SSR) wherein the tension in the SSR may be increased/decreased by increasing/decreasing the variable volume of a chamber formed by a flexible liner that provides a barrier between the variable volume gas chamber in the gas can hull and water.

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

(19) INDIA

(22) Date of filing of Application :13/03/2013

(21) Application No.2241/DELNP/2013 A

(43) Publication Date: 31/10/2014

(54) Title of the invention: STEEL BAR COMPRISING PROJECTIONS USED TO FORM CONCRETE FRAMEWORKS SUCH THAT THE CONCRETE REMAINS IN THE ELASTIC RANGE IN TERMS OF STRENGTH WITH A STRESS OF LESS THAN 50% OF THE BREAKING STRESS IN WHICH THE BAR HAS A DIAMETER D AND THE PROJECTIONS ARE SPACED APART BY A DISTANCE L HAVE A HEIGHT H AND AN AREA OF LESS THAN ONE FOURTH OF THE PERIMETER MULTIPLIED BY L

(51) International classification	:E04C5/03	(71)Name of Applicant :
(31) Priority Document No	:8892010	1)COVARRUBIAS TORRES Juan Pablo
(32) Priority Date	:20/08/2010	Address of Applicant :Cerro Aguas Blancas 10447 Lo
(33) Name of priority country	:Chile	Barnechea 7700961 Santiago Chile
(86) International Application No	:PCT/CL2011/000046	(72)Name of Inventor:
Filing Date	:18/08/2011	1)COVARRUBIAS TORRES Juan Pablo
(87) International Publication No	:WO 2012/022005	
(61) Patent of Addition to Application	:NA	
Number Filing Date	:NA	
Filing Date (62) Divisional to Application Number	:NA	
Filing Date	:NA :NA	

# (57) Abstract:

A steel bar with ribs to form concrete armours, which allows the concrete to be maintained on the elastic zone of its strength with a stress less than 50% of the damage stress, where such bar has a nominal diameter Dn; a distance between consecutive rib centers L; a rib height h and a rib 15 area A, where such area A is greater than 0.12 x P x L and less than 0.25 x P x L. The height h is greater than 0.12 x L and less than 0.25 x L.

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

(19) INDIA

(22) Date of filing of Application :08/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: SERVO ASSISTED ACTUATING SYSTEM FOR A MULTISPEED GEARBOX OF A 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</li> <li>Number</li> </ul>	:F15B15/14,F16H61/30 :NA :NA :NA :NA :PCT/EP2010/005494 :08/09/2010 :WO 2012/031611 :NA :NA	(71)Name of Applicant:  1)KONGSBERG AUTOMOTIVE AS  Address of Applicant: Dymyrgata 48 N 3601 Kongsberg Norway (72)Name of Inventor:  1)MLLER Bert
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li></ul>	:WO 2012/031611 :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention relates to a servo assisted actuating system for a multispeed gearbox of a vehicle comprising a cable connection (10) a servo cylinder (30) a piston (32) slidably disposed in the interior of the servo cylinder and dividing the interior into an inner (36) and an outer chamber (38) a piston rod (34) connected to the piston and extending to the exterior thereof and a control valve (60) to be connected to a pressure fluid source one end of the cable being connectable to a gear lever (2) and the other end being connected to the control valve (60) to control it to selectively supply pressurized fluid to the servo cylinder the piston rod (34) being provided with first mounting means (40) adapted to be mountable to a fixed part (4) of the vehicle structure the servo cylinder being provided with second mounting means (50) adapted for connecting the servo cylinder to a control rod (6) of the gearbox characterized in that in that the cable is extending through a central through hole (35) longitudinally extending through the piston rod and piston into the inner chamber (36) of the servo cylinder where the cable is connected to an actuating arm (62) which is adapted to transfer longitudinal movements of the cable (14) to the control valve for actuating it wherein the cable is slideably received in the through hole and sealing means are provided for sealing the through hole with the push pull cable received therein to prevent leakage of pressure fluid from the servo cylinder.

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

(19) INDIA

(22) Date of filing of Application :08/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: VEHICLE SEAT HAVING AN AXIALLY SECURED SHAFT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B60N2/22 :10 2010 044 947.4 :10/09/2010 :Germany :PCT/EP2011/004533 :08/09/2011 :WO 2012/031764 :NA :NA :NA	(71)Name of Applicant:  1)JOHNSON CONTROLS GMBH  Address of Applicant: Industriestrae 20 30 51399 Burscheid Germany (72)Name of Inventor:  1)SEIBT Jrg
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(21) Application No.2099/DELNP/2013 A

# (57) Abstract:

The invention relates to a vehicle seat having a backrest part which is provided on a seat part such that the former can be rotated by means of a backrest adjuster wherein the backrest adjuster has a shaft which preferably transmits a torque to the backrest adjuster and an axial securing means is provided on the shaft at both ends.

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

(21) Application No.2199/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: SOLAR PANEL FOR GLAZING 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>	:29/09/2011 :WO 2012/044244 :NA :NA	(71)Name of Applicant:  1)SUNSTRIP AB  Address of Applicant: Skggebyvgen 29 S 612 44 Finspng Sweden (72)Name of Inventor:  1)SUNDKVIST Robert
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention relates to a solar panel (1) for glazing systems the solar panel comprises a self supporting panel (2) compression moulded from at least one thermally insulating fibre material and a thermosetting binding agent to form an open top box (2) having a highly compressed rigid rim (3) and less so compressed thermally insulating side walls (4) and bottom (5). A radiation transparent front cover (6) is connected to the self supporting panel (2) at the rim (3) sealingly enclosing the box (2). An absorber unit (8) is arranged in the enclosed box between the radiation transparent front cover (6) and the thermally insulating side walls (4) and bottom (5). A metal foil (9) covers the rim (3) inside of walls (4) and bottom (5) of the box (2).

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

(21) Application No.2250/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention: NOVEL PRECURSORS OF RADIOLABELLED CHOLINE ANALOG COMPOUNDS

(51) International :C07C213/00,C07C213/02,C07C213/06 classification

(31) Priority Document :61/384891

(32) Priority Date :21/09/2010 (33) Name of priority :U.S.A.

country

(86) International

:PCT/US2011/052239 Application No :20/09/2011

Filing Date

(87) International :WO 2012/040133 Publication No

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

Application Number Filing Date

(71)Name of Applicant:

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Address of Applicant : Amersham Place Little Chalfont

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2)IMPERIAL COLLEGE

3)MEDI PHYSICS INC.

(72)Name of Inventor:

1)ABOAGYE Eric Ofori 2)ROBINS Edward George

3)SMITH Graham

4)ZHAO Yongjun

# (57) Abstract:

Novel radiotracer(s) for Positron Emission Tomography (PET) or Single Photon Emission Computed Tomography (SPECT) imaging of disease states related to altered choline metabolism (e.g., tumor imaging of prostate, breast, brain, esophageal, ovarian, endometrial, lung and prostate cancer - primary tumor, nodal disease or metastases). The present invention also describes intermediate(s), precursor(s), pharmaceutical compositions), methods of making, and methods of use of the novel radiotracer(s).

No. of Pages: 70 No. of Claims: 12

(21) Application No.2162/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: STEREOCOMPLEX POLYLACTIC ACID FILM AND RESIN COMPOSITION

(51) International classification :C08L67/04,C08J5/18,C08I (31) Priority Document No :2010203055

(32) Priority Date :10/09/2010
(33) Name of priority country :Japan

(86) International Application :PCT/JP2011/068729

No :12/08/2011 Filing Date :12/08/2011

(87) International Publication No: WO 2012/032912

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

(62) Divisional to Application
Number
:NA
:NA

Filing Date

:C08L67/04,C08J5/18,C08K5/20 (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)ONO Yuhei

2)UCHIYAMA Akihiko

3)OYA Taro

# (57) Abstract:

A stereocomplex polylactic acid resin composition containing an amide compound represented by the following general formula (1) and a film composed thereof. A stereocomplex polylactic acid excellent in transparency and a resin 5 composition can be provided. - K1 ... (In the formula, R\ represents a residue obtainable by removing all carboxyl groups 10 from 1,2,3-propane tricarboxylic acid or 1,2,3,4-butane tetracarboxylic acid; three or four R.2 may be the same as or different from each other and each represents a hydrogen atom or a linear or branched chain alkyl group having 1 to 10 carbon atoms; and k represents an integer of 3 or 4.)

No. of Pages: 55 No. of Claims: 10

(21) Application No.2204/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: PORTABLE ELECTRIC POWER TOOL WITH RADIO COMMUNICATION 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>	:B25F5/00 :10510170 :30/09/2010 :Sweden :PCT/EP2011/060966 :29/06/2011 :WO 2012/041547 :NA :NA :NA	(71)Name of Applicant:  1)ATLAS COPCO INDUSTRIAL TECHNIQUE AB Address of Applicant: S 105 23 Stockholm Sweden (72)Name of Inventor:  1)WALLGREN Carl JOHAN Erik
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### (57) Abstract:

A portable electric power tool including a housing (10) with a connection terminal (20) for connection of a voltage supply source (22) an electric motor (14) an onboard operation control unit (16) and a radio communication device(17) for communicating tool operation and operation result data between the operation control (16) unit and a stationary data processing unit (18) and a back up voltage accumulating device (25) arranged to keep up continuously a voltage supply to the control unit (16) and a radio communication device (17) at disconnection of the voltage supply source (22).

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

(19) INDIA

(22) Date of filing of Application :12/03/2013 (43) Publication Date : 31/10/2014

(54) Title of the invention : SYSTEM AND METHOD FOR CONTROL OF SIDE LAYER FORMATION IN AN ALUMINIUM ELECTROLYSIS CELL

(21) Application No.2205/DELNP/2013 A

(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	F27D1/12,C25C3/08 P0101321 P2/09/2010 Norway PCT/NO2011/000263 P0/09/2011 WO 2012/039624 NA NA	(71)Name of Applicant:  1)GOODTECH RECOVERY TECHNOLOGY AS  Address of Applicant: Per Kroghs vei 4 N 1065 Oslo Norway (72)Name of Inventor:  1)SALVADOR John Paul 2)SEDLAK Veroslav
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<sup>(57)</sup> Abstract:

A system and method is provided for control of layer formation by use of sidelining provided with heat tube.

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

(21) Application No.2206/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 12/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: COMBINATION THERAPY FOR TREATING HCV INFECTION

(51) International

:A61K31/4709,A61K31/506,A61K31/7056

classification

(31) Priority :61/388253

Document No

:30/09/2010

(32) Priority Date (33) Name of priority

country

:U.S.A.

:NA

(86) International Application No

:PCT/EP2011/066567

Filing Date

:23/09/2011

(87) International

:WO 2012/041771

Publication No

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

Filing Date

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

Filing Date

(71)Name of Applicant:

1)BOEHRINGER INGELHEIM INTERNATIONAL

**GMBH** 

Address of Applicant :Binger Strasse 173 55216 Ingelheim

Am Rhein Germany (72)Name of Inventor:

1)BOECHER Wulf

2)HAEFNER Carla

3)KUKOLJ George

# (57) Abstract:

The present invention relates to the rapeutic combinations comprising (a) Compound (1) or a pharmaceutically acceptable salt thereof as herein described (b) Compound (2) or a pharmaceutically acceptable salt thereof as herein described and optionally (c) ribavirin and methods of using such therapeutic combinations for treating HCV infection or alleviating one or more symptoms thereof in a patient.

No. of Pages: 55 No. of Claims: 16

(19) INDIA

(22) Date of filing of Application: 13/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: POLYMER TREATMENT METHOD

(51) International classification: C11D11/00,B08B3/06,D06F35/00 (71)Name of Applicant:

(31) Priority Document No :1015276.7 (32) Priority Date :14/09/2010

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

(86) International Application :PCT/GB2011/051726

:14/09/2011

Filing Date (87) International Publication :WO 2012/035342

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

(62) Divisional to Application :NA Number :NA

Filing Date (57) Abstract:

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(72)Name of Inventor:

1)BURKINSHAW Stephen Martin

(21) Application No.2259/DELNP/2013 A

2)JENKINS Stephen Derek 3)KENNEDY Frazer John 4)STEELE John Edward

The invention provides a method for the treatment of polymeric particles recovered after use in cleaning processes for soiled substrates the method comprising treating the particles with a particle cleaning agent. Preferably said agent comprises at least one surfactant. Preferably said agent comprises an aqueous medium. Typically the polymeric particles comprise particles of nylon or polyester. The invention also provides a method for cleaning a soiled substrate the method comprising the steps of: (a) treating polymeric particles with a particle cleaning agent; and (b) treating a moistened substrate with a formulation comprising a multiplicity of said treated polymeric particles. Most preferably the substrate comprises a textile fibre or fabric. The results obtained are very much in line with those observed when carrying out conventional aqueous cleaning processes and the method provides the significant advantages that the useable lifetime of the polymeric particles is maximised and the economic and environmental burden generated by the polymeric particle cleaning process is minimised.

No. of Pages: 28 No. of Claims: 29

(21) Application No.2166/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 11/03/2013

(43) Publication Date: 31/10/2014

(54) Title of the invention: HETEROCYCLIC COMPOUNDS FOR TREATING OR PREVENTING DISORDERS CAUSED BY REDUCED NEUROTRANSMISSION OF SEROTONIN NOREPHNEPHRINE OR DOPAMINE.

(51) International

:C07D403/04,C07D409/04,C07D241/38

classification

(31) Priority Document :2010204747

(32) Priority Date :13/09/2010

(33) Name of priority country

:Japan

(86) International

:PCT/JP2011/071174 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

:12/09/2011

:WO 2012/036253

:NA :NA

:NA

(71)Name of Applicant:

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Address of Applicant: 9 Kanda Tsukasamachi 2 chome

Chiyoda ku Tokyo 1018535 Japan

(72)Name of Inventor:

1)ITO Nobuaki 2)SASAKI Hirofumi

3)TAI Kuninori

4)SHINOHARA Tomoichi

# (57) Abstract:

A heterocyclic compound repre sented by the general formula (1) or a salt thereof: wherein m, 1, and n respectively represent an inte ger of 1 or 2; X represents -O- or -CH2-; R1 repre sents hydrogen, a lower alkyl group, a hydroxylower alkyl group, a protecting group, or a trilower alkylsilyloxy-lower alkyl group; R2 and R3, which are the same or different, each independently represent hydrogen or a lower alkyl group; or R2 and R are bonded to form a cyclo-C3-C8 alkyl group; and R4 represents an aromatic group or a heterocyclic group, wherein the aromatic or heterocyclic group may have one or more arbi trary substituent(s).

No. of Pages: 344 No. of Claims: 16

(21) Application No.2167/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: LIQUID AGRICULTURAL FORMULATIONS OF IMPROVED STABILITY

(51) International classification :A01N25/32,A01N43/66,A01N43/90 (31) Priority Document No :61/383888

(31) Priority Document No :61/383888 (32) Priority Date :17/09/2010 (33) Name of priority

country :U.S.A.

(86) International Application No :PCT/US2011/051862

Filing Date :16/09/2011

(87) International Publication No :WO 2012/037425

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

(71)Name of Applicant :

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Address of Applicant :9330 Zionsville Road Indianapolis IN

46268 U.S.A.

(72)Name of Inventor:

1)ATKINSON John M. 2)LIU Lei

3)OLDS Melissa Gail

4) KEENEY Franklin N.

# (57) Abstract:

Agricultural oil dispersions of improved stability and processes to make and methods to use such compositions are disclosed. The compositions are comprised of an active ingredient coated with one or more non oil soluble polymers that hinder degradation of the active ingredient by other ingredients.

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

(21) Application No.2214/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: DRY GRANULATION OF METALLURGICAL SLAG

(51) International classification	:C21B3/08,C04B5/06,C22B7/04	(71)Name of Applicant :
(31) Priority Document No	:91730	1)PAUL WURTH S.A.
(32) Priority Date	:13/09/2010	Address of Applicant :32 rue dAlsace L 1122 Luxembourg
(33) Name of priority country	:Luxembourg	Luxembourg
(86) International Application N	o:PCT/EP2011/065351	(72)Name of Inventor:
Filing Date	:06/09/2011	1)SOLVI Marc
(87) International Publication No	:WO 2012/034897	2)GREIVELDINGER Bob
(61) Patent of Addition to	:NA	3)FRIEDERICI Claudine
Application Number	:NA	4)MICHELS Daniel
Filing Date	.NA	5)HOFFMANN Mathias
(62) Divisional to Application	:NA	6)KAPPES Horst
Number	:NA	
Filing Date	.INA	

### (57) Abstract:

The present invention describes a process for dry granulation of hot liquid slag wherein the hot liquid slag is mixed with solid metallic particles so as to form a solidified vitrified slag cake mixed with said metallic particles said slag cake is crushed so as to form hot slag particles and heated solid particles said particles are cooled and said solid metallic particles are recycled.

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

(19) INDIA

(22) Date of filing of Application :12/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: CATALYTIC COMPOSITION FOR POLYMERIZATION OF OLEFIN AND PREPARATION METHOD THEREOF

(51) International :C08F10/00,C08F4/649,C08F4/645

:19/08/2011

(31) Priority Document No :201010259382.1 (32) Priority Date :19/08/2010

(33) Name of priority country: China

(86) International Application :PCT/CN2011/001389

Filing Date

(87) International Publication :WO 2012/022127

No

(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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2)BEIJING RESEARCH INSTITUTE OF CHEMICAL INDUSTRY CHINA PETROLEUM & CHEMICAL

**CORPORATION** 

(72)Name of Inventor:

1)WANG Shibo
2)LIU Dongbing
3)ZHOU Junling
4)L Xinping
5)ZHANG Lei
6)MAO Bingquan

7)XING Baoquan 8)ZHOU Xin

9)ZHANG Changli

### (57) Abstract:

The present invention relates to a catalyst component for olefin polymerization, which comprises the reaction product of at least one organo-magnesium compound, at least one 5 titanium-containing compound, at least one hydroxyl group-containing compound, at least one chlorine-containing organo-aluminum, boron, phosphorus or silicon compound, and at least one polybutadiene block copolymer. The catalyst component of the present invention has well-shaped particles, and a narrow particle size distribution; a polymerization reaction of olefins with the catalyst component produces well-shaped polymer particles with a high bulk density (BD) and an 10 excellent comprehensive catalytic performance. The present invention also relates to a preparation method for said catalyst component and the application thereof, particularly in the homopolymerization and copolymerization of olefins such as ethylene, propylene, butene, hexene and octene.

No. of Pages: 47 No. of Claims: 27

(21) Application No.2264/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: METHOD OF OPERATING A WIND TURBINE AND WIND TURBINE

(51) International classification :F03D11/00,F03D7/04 (71)Name of Applicant : (31) Priority Document No 1) VESTAS WIND SYSTEMS A/S :PA 2010 00741 (32) Priority Date Address of Applicant : Hedeager 44 DK 8200 Aarhus N :23/08/2010 (33) Name of priority country :Denmark Denmark (86) International Application No :PCT/DK2011/050315 | (72)Name of Inventor : Filing Date :19/08/2011 1)BRATH Per (87) International Publication No :WO 2012/025121 (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

A method of operating a wind turbine has the following steps: receiving (13) multiple sensor signals being indicative of the state of the wind turbine (19); analyzing (14) the multiple sensor signals in order to determine whether a specific alarm condition is met as predefined in one of a plurality of different predefined alarm scenarios (30); further analyzing (15) at least one of the multiple sensor signals in accordance with analyzing steps as predefined in the alarm scenario (30) for which the specific alarm condition is met in order to determine (16) whether the wind turbine (19) is to be put into either a predefined safe mode a shutdown mode or a continued operation mode.

No. of Pages: 29 No. of Claims: 14

(21) Application No.2173/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: MEMBRANE FILTRATION PROCESS WITH HIGH WATER RECOVERY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:30/09/2010 :WO 2012/040880 :NA :NA :NA	(71)Name of Applicant:  1)GENERAL ELECTRIC COMPANY Address of Applicant: 1 River Road Schenectady New York 12345 U.S.A. (72)Name of Inventor: 1)WANG Sijing 2)ZHU Yanrong 3)HE Gaorong
Filing Date	:NA	

### (57) Abstract:

A membrane filtration process includes pretreating an influent solution to remove suspended solids to produce a pretreated solution. pH of the pretreated solution is adjusted to at least 8.3 or lower by injecting CO2 into the pretreated solution to produce a conditioned solution. Injecting CO2 also serves to supplement bicarbonate in the conditioned solution. The conditioned solution is flowed through a membrane filtration unit to produce a permeate solution and a retentate solution. The membrane filtration unit comprises reverse osmosis membranes or nanofiltration membranes or both. The retentate solution is then treated to cause precipitation to produce a supernatant solution and a reject solution. At least a portion of the supernatant solution is recirculated by combining it with the influent solution prior to the step of pretreating.

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

(21) Application No.2221/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: DEVICE FOR USE IN A DIGITAL CONFERENCE 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>	:H04N7/15 :10174392.0 :27/08/2010 :EPO :PCT/EP2011/060294 :21/06/2011 :WO 2012/025277 :NA :NA :NA	(71)Name of Applicant:  1)TELEVIC CONFERENCE NV Address of Applicant: Leo Bekaertlaan 1 B 8870 Izegem Belgium (72)Name of Inventor:  1)LYLON Carl 2)TALLOEN Patrick 3)VANTOMME Davy
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# (57) Abstract:

The present invention is related to a device for use in a digital conference system (1). The device (2 3) has a first (5) and a second (6) port in connection with each other and comprises configuration means for configuring on receipt of a trigger signal either the first or the second port as input port of the device and the other port as output port whereby said trigger signal is a synchronisation signal. The device is preferably a delegate unit or an extension unit.

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

(21) Application No.2222/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 12/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: PROCESS AND APPARATUS FOR THE PREPARATION OF COMBUSTIBLE FLUID

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C25B1/00 :12/855617 :12/08/2010 :U.S.A. :PCT/US2011/047662 :12/08/2011 :WO 2012/021850 :NA :NA	(71)Name of Applicant:  1)BETHUREM Gary J.  Address of Applicant: 21748 Marilla Street Chatsworth CA 91311 U.S.A.  (72)Name of Inventor:  1)BETHUREM Gary J.
. ,		
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A fuel and hydrogen generator includes electrolysis in a first closed vessel containing a bath of water electrolyte and sufficient liquid hydrocarbon fuel to serve as an oxygen barrier. The hydrogen produced in the first closed vessel is introduced into a second closed vessel having a bath of water electrolyte and liquid hydrocarbon fuel in an amount volumetrically equal to the water. Electrodes extend through the liquid hydrocarbon fuel to the water to conduct electrolysis. Makeup water and liquid hydrocarbon fuel is supplied to both closed vessels as needed. The bath in the second closed vessel is recirculated to entrain all constituents within the bath and to cool the bath to ambient temperature. Gas is drawn off of the bath in the second closed vessel though vacuum with constituents then fractionally liquefied to create a reformed liquid hydrocarbon fuel and to separate the fuel from the gaseous hydrogen.

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

(21) Application No.2267/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: FREE CASTING METHOD FREE CASTING APPARATUS AND CASTING

(51) International classification :B22D11/12,B22D23/00 (31) Priority Document No :2010209761

(32) Priority Date :17/09/2010 (33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/005124

Filing Date :12/09/2011
(87) International Publication No :WO 2012/035752

(61) Patent of Addition to Application

NA

NA

Number :NA Filing Date

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

(71)Name of Applicant:

1)KABUSHIKI KAISHA TOYOTA CHUO KENKYUSHO

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Nagakute cho Aichi gun Aichi 4801192 Japan

2)TOYOTA JIDOSHA KABUSHIKI KAISHA

(72)Name of Inventor:
1)YAOKAWA Jun
2)IWATA Yasushi

3)SUGIYAMA Yoshio 4)IWAHORI Hiroaki

5)AMANO Norihiro 6)UENO Noriyuki

7)KOBAYASHI Takehito

### (57) Abstract:

A free casting method according to the present invention includes a lead out step for leading out molten metal from a lead out area (P) provided in a source of supply e.g. a surface level of the molten metal to retain the molten metal temporarily by surface films (F) generated on an outer surface and a forming step for obtaining a formed body by solidifying retained molten metal (MS) led out along a set passage (L1) depending on a desired casting shape wherein the retained molten metal is solidified after being formed into the desired casting shape by applying an external force thereto at positions between an unrestrained root portion of the retained molten metal in vicinity of the surface level of the molten metal and a solidification interface defined as a boundary between the retained molten metal and the formed body in the forming step.

No. of Pages: 31 No. of Claims: 8

(21) Application No.2081/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 07/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: METHOD AND DEVICE FOR CONTROLLING AN INTERNAL COMBUSTION ENGINE

(51) International :F02N11/08,F02D41/14,F02D41/00 classification

(31) Priority Document No :102010040562.0 (32) Priority Date :10/09/2010

(33) Name of priority country: Germany

(86) International Application :PCT/EP2011/062923

:27/07/2011 Filing Date

(87) International Publication :WO 2012/031827

No (61) Patent of Addition to

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

(62) Divisional to Application :NA Number :NA

Filing Date

(57) Abstract:

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

Address of Applicant :Postfach 30 02 20 70442 Stuttgart

Germany

(72)Name of Inventor: 1)MUELLER Norbert 2)WEISS Ruediger 3)RAI Karthik

4)DIETRICH Manfred

5)CALVA Elias

The invention relates to a method for restarting an internal combustion engine, in which a first cylinder (ZYL1) has a low air level and

a second cylinder (ZYL2) has a high air level, and wherein a predefined speed threshold value (ns) is selected as a function of said air levels. A method for the restart is selected and carried out as a function of a comparison of the determined speed (n) of the internal combustion engine with the predefined speed threshold value (ns).

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

(21) Application No.2135/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: METHOD FOR ISOLATING A CYCLOHEXAPEPTIDE

# (57) Abstract:

The present invention relates to a method for isolating acyclohexapeptide and to a novel crystalline form of caspofungin diacetate thus obtained.

No. of Pages: 17 No. of Claims: 13

(21) Application No.2136/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: MICRO FLUIDIC DEVICE

(62) Divisional to Application Number :NA Filing Date :NA	` '	:24/08/2011 :WO 2012/025224 :NA :NA :NA	(71)Name of Applicant: 1)CHEMTRIX B.V. Address of Applicant: Burgemeester Lemmensstraat 358 NL 6163 JT Geleen Netherlands (72)Name of Inventor: 1)STEMMET Charl P.
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### (57) Abstract:

The present invention relates to a micro fluidic device comprising a process channel having a top wall a bottom wall and side walls the process channel having a height between 0.2 mm and 3 mm a width between 1.0 and 50 mm and support means within said process channel. The support means extends between the bottom wall and the top wall of the process channel in a direction substantially perpendicularly to the top wall. The micro fluidic device comprises at least one heat exchange means parallel to the process channel and optionally comprises a static mixing element. The present invention further relates to a kit of parts and a micro fluidic system comprising such micro fluidic devices.

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

(19) INDIA

(22) Date of filing of Application :11/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: VIRTUAL RESOURCE COST TRACKING WITH DEDICATED IMPLEMENTATION RESOURCES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:G06F15/173 :12/894496 :30/09/2010 :U.S.A. :PCT/US2011/052592 :21/09/2011 :WO 2012/050772 :NA :NA	(71)Name of Applicant:  1)AMAZON TECHNOLOGIES INC.  Address of Applicant: P.O. Box 8102 Reno Nevada 89507 U.S.A. (72)Name of Inventor:  1)BRANDWINE Eric Jason 2)THEIMER Marvin M. 3)DESANTIS Peter
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Virtual resources may be provisioned in a manner that is aware of and respects underlying implementation resource boundaries. A customer of the virtual resource provider may specify that particular virtual resources are to be implemented with implementation resources that are dedicated to the customer. Dedicating an implementation resource to a particular customer of a virtual resource provider may establish one or more information barriers between the particular customer and other customers of the virtual resource provider. Implementation resources may require transition procedures including custom transition procedures to enter and exit dedicated implementation resource pools. Costs corresponding to active and inactive implementation resources in a dedicated pools associated with a particular customer may be accounted for and presented to the customer in a variety of ways including explicit adjusted per customer and adjusted per type of virtual resource and/or implementation resource.

No. of Pages: 71 No. of Claims: 13

(21) Application No.2270/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: A CLIENT A CONTENT CREATOR ENTITY AND METHODS THEREOF FOR MEDIA **STREAMING**

(51) International

:H04N21/845,H04N21/2387,H04N21/2343

classification

(31) Priority :61/389884 Document No (32) Priority Date :05/10/2010

(33) Name of priority

:U.S.A. country

(86) International

:PCT/SE2011/051176 Application No :03/10/2011

Filing Date

(87) International

Publication No

:WO 2012/047158

(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)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)

Address of Applicant: S 164 83 Stockholm Sweden

(72)Name of Inventor:

1)FR-JDH Per

2)EINARSSON Torbjrn

# (57) Abstract:

The embodiments of the present invention relate to methods and arrangements for accomplishing trick modes. This is achieved by assigning samples within a track to sample groups wherein all samples within a sample group belong to one temporal level and by allowing the client to access one temporal level independently of lower temporal levels. In this way the flexibility for the client regarding play out of different frame rates is increased which can result in a lower bandwidth utilization.

No. of Pages: 32 No. of Claims: 28

(21) Application No.2187/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: VIRTUAL RADIO NETWORKS

(51) International classification	·H04I 12/24 H04I 12/28	(71)Name of Applicant :
(31) Priority Document No	:NA	1)NOKIA SIEMENS NETWORKS OY
(32) Priority Date	:NA	Address of Applicant : Karaportti 3 FI 02610 Espoo Finland
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:PCT/EP2010/066824	1)RIEGEL Maximilian
Filing Date	:04/11/2010	,
(87) International Publication No	:WO 2012/059130	
(61) Patent of Addition to Application	.NI A	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

It is provided an apparatus comprising radio side separating means for separating first uplink data of a first radio network received from a physical radio interface from second uplink data of a second radio network received from the physical radio interface; first uplink processing means configured to process according to a higher layer uplink functionality the first uplink data into first processed uplink data; second uplink processing means configured to process according to the higher layer uplink functionality the second uplink data into second processed uplink data; and aggregating means for providing the first processed uplink data to a first logical channel of a physical transport means and the second processed uplink data to a second logical channel of the physical transport means wherein the first radio network is different from the second radio network; and the first logical channel is different from the second logical channel.

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

(21) Application No.2188/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 11/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : METHOD OF AND BASE STATION FOR CONFIGURING A DATA TRANSMISSION SCHEME BASED ON DATA FRAMES IN A COMMUNICATION 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</li> <li>Filing Date</li> </ul>	:H04W56/00 :NA :NA :NA :PCT/EP2010/063444 :14/09/2010 :WO 2012/034584 :NA :NA	(71)Name of Applicant:  1)NOKIA SIEMENS NETWORKS OY Address of Applicant: Karaportti 3 FI 02610 Espoo Finland (72)Name of Inventor: 1)CHMIEL Mieszko 2)BAUMGARTNER Bernd
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method of configuring a data transmission scheme based on data frames (402) in a communication network is provided wherein communication in the communication network comprises a data transmission (400) comprising downlink and uplink data transmissions (406 407 408 410 412) via first and second data transmissions paths the first and second data transmission paths comprising respective first and second downlink data transmission paths and respective first and second uplink data transmission paths the downlink data transmission via the second data transmission path being delayed to the downlink data transmission (407 408) via the first downlink data transmission path the method being executed by a base station the method comprising configuring the data transmission scheme such that a reduction of a base station processing time associated with processing payload data of the data transmission is prevented.

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

(22) Date of filing of Application: 13/03/2013 (43) Publication Date: 31/10/2014

#### (54) Title of the invention: HOUSING MOUNTED IMAGE INTENSIFIER TUBE

(51) International :H01J31/50,G02B23/12,G02B23/18 classification

(31) Priority Document No :12/887904

(32) Priority Date :22/09/2010 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2011/052105

:19/09/2011 Filing Date

(87) International Publication :WO 2012/040087

No

(19) INDIA

(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)EXELIS INC.

Address of Applicant: 1605 Tysons Boulevard Suite 1700

McLean Virginia 22012 U.S.A.

(21) Application No.2239/DELNP/2013 A

(72)Name of Inventor:

1)ADAMS Scott J. 2)GARRIS William Eric

3)SCHLIRF Kevin

4)NEFF Todd

#### (57) Abstract:

An optical system includes an optical bench defining a mounting surface an objective lens mounted to the optical bench and an image intensifier tube. The image intensifier tube includes: (i) a housing defining an interior region and a mounting surface and (ii) a photocathode bonded to a glass faceplate defining a faceplate surface wherein the photocathode is positioned within the interior region of the housing and wherein the mounting surface of the housing resides on the same plane as the faceplate surface. The mounting surface of the optical bench is mounted onto the mounting surface of the image intensifier tube housing such that the mounting surface of the optical bench resides on the same plane as the faceplate surface and the faceplate surface of the faceplate is the surface of the faceplate that is positioned closest to the objective lens.

No. of Pages: 24 No. of Claims: 14

(22) Date of filing of Application: 13/03/2013 (43) Publication Date: 31/10/2014

#### (54) Title of the invention: METHOD AND ARRANGEMENT TO CONTROL OPERATING CONDITIONS IN FUEL CELL **DEVICE**

(51) International classification :H01M8/04,H01M8/12 (71)Name of Applicant : (31) Priority Document No :20105883 (32) Priority Date :25/08/2010 (33) Name of priority country :Finland (86) International Application No :PCT/FI2011/050621 Filing Date :30/06/2011 (87) International Publication No :WO 2012/025661 (61) Patent of Addition to Application

:NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA 1)CONVION OY

(21) Application No.2275/DELNP/2013 A

Address of Applicant: Tekniikantie 12 FI 02150 Espoo

(72)Name of Inventor: 1)...STR-M Kim

#### (57) Abstract:

(19) INDIA

The focus of the invention is a control arrangement for controlling operating conditions of a fuel cell device which produces electricity with fuel cells (103) each fuel cell in the fuel cell device comprising an anode side (100) a cathode side (102) an electrolyte (104) between the anode side and the cathode side and the fuel cells are arranged to be in stack formation the fuel cell device comprising load (126) for fuel cells a controller (130) for said load for fuel cells means (132) for determining essential temperature information of the fuel cells and the fuel cell device has been arranged to be parallel connected to electrical network (125) for producing electrical current to electrical network. The control arrangement comprises: at least one controllable electrical heater (134a 134b) for operating as a device producing heat quantities as controllable heat quantities both in normal operation conditions and in power imbalance situations and at least two controllers (134 135 136 137 138) for controlling as controllable fuel cell quantities at least amount of air flow to the fuel cells (103) and heat applied to the stack environment for controlling at least one of the controllable heat quantities and controllable fuel cell quantities essentially to a target value and a low level high speed controller (134a) for controlling in power imbalance situation said at least one controllable electrical heater (134b) to operate said heater as a buffer for excess energy of the fuel cell device.

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

(21) Application No.2144/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 08/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: HYDRAULIC SHOVEL CALIBRATION DEVICE AND HYDRAULIC SHOVEL CALIBRATION **METHOD**

(51) International classification :E02F3/43,E02F9/20,G01C15/00 (71) Name of Applicant: (31) Priority Document No :2011065979

(32) Priority Date :24/03/2011 (33) Name of priority country :Japan

(86) International Application :PCT/JP2012/056814

:16/03/2012

Filing Date

(87) International Publication No: WO 2012/128192 (61) Patent of Addition to

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

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

(57) Abstract:

1)KOMATSU LTD.

Address of Applicant: 2 3 6 Akasaka Minato ku Tokyo

1078414 Japan

(72)Name of Inventor: 1)SEKI Masanobu

This hydraulic shovel calibration device is a device for calibrating parameters in the hydraulic shovel. A current position computation unit in the hydraulic shovel computes the current position of a working point included in the work tool based on a plurality of parameters that indicate the dimensions and swing angles of a boom, an arm, and a work tool. The hydraulic shovel calibration device comprises an input unit (63) and first and second calibration computation units (65c and 65d). The input unit (63) is a unit for inputting first working point position information that indicates coordinates of the working point at a plurality of positions which are measured by an external measurement device. The first and second calibration computation units (65c and 65d) compute calibration values of the parameters based on the first working point position information input into the input unit (63).

No. of Pages: 63 No. of Claims: 8

(21) Application No.2145/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : A PRESSURE RESISTANT MATERIAL AND METHOD FOR MANUFACTURING SUCH A MATERIAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:61/380879 :08/09/2010 :U.S.A. :PCT/NO2011/000240 :08/09/2011 :WO 2012/033412 :NA :NA	(71)Name of Applicant:  1)COMPBUOY AS  Address of Applicant: Kjemiblokk 1 Sem Saelandsvei 14 N  7491 Trondheim Norway  (72)Name of Inventor:  1)ECHTERMEYER Andreas  2)LIPPE Kristin
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

The invention is a pressure resistant material (22) for use under submerged conditions comprising light expanded clay agglomerate beads (1) distributed in a matrix (21) of a polymer material (2)

No. of Pages: 36 No. of Claims: 49

(21) Application No.2240/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: A METHOD FOR THE REMOVAL OF ORGANIC CHEMICALS AND ORGANOMETALLIC COMPLEXES FROM PROCESS WATER OR OTHER STREAMS OF A MINERAL PROCESSING PLANT USING ZEOLITE

:C02F1/28,C02F1/42,C02F1/62 (71)Name of Applicant : (51) International classification (31) Priority Document No :61/382101 1)VALE S/A (32) Priority Date :13/09/2010 Address of Applicant : Avenida Gra§a Aranha 26 Centro Rio (33) Name of priority country de Janeiro RJ 2003 000 Brazil :U.S.A. (86) International Application No :PCT/BR2011/000328 (72)Name of Inventor: Filing Date :13/09/2011 1)DONG Jie (87) International Publication No :WO 2012/034202 2)XU Manqui (61) Patent of Addition to 3)SCHOLEY Kenneth Erwin :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA

### (57) Abstract:

Filing Date

The present invention refers to a method to remove organic chemicals and organometallic complexes (organic heavy metal complexes) using zeolite from process water or tailings streams of a mineral processing plant where diethylenetriamine (DETA) or triethylenetetramine (TETA) is used as a flotation reagent and DETA metal complexes are found in process water or tailings streams. In a preferred embodiment the process water or slurry tailings streams of a mineral processing plant containing DETA DETA metal complexes and residual heavy metals are contacted with natural zeolite. This can be carried out by adding the natural zeolite to the process streams (slurries) while mixing with a mechanical mixer to efficiently adsorb DETA DETA metal complexes and heavy metals from the process streams (slurries) on the zeolite. The loaded zeolite is then discarded with the flotation tailings.

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

(21) Application No.2276/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: IMPROVEMENTS IN OR RELATING TO MILLIMETER AND SUB MILLIMETER WAVE RADAR RADIOMETRIC IMAGING

(51) International :H01Q3/10,H01Q13/28,H01Q25/00

classification

(31) Priority Document No :1015207.2 :13/09/2010 (32) Priority Date

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

(86) International Application :PCT/GB2011/051671

No :07/09/2011 Filing Date

(87) International Publication :WO 2012/035316

(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)RADIO PHYSICS SOLUTIONS LTD

Address of Applicant: The Elms Court Yard Bromesberrow

Ledbury Hereford and Worcester HR8 1RZ U.K.

(72)Name of Inventor: 1)SHYLO Sergiy

2)SYDORENKO Yuriy 3)WHEELER Dana 4)DUNDONALD Douglas

#### (57) Abstract:

An antenna is provided that is configured to implement a combined radar and radiometric imaging method. The antenna comprises: a bearing device on which is rigidly mounted: rotating waveguide adapter which provides the output for the antenna; an electromechanical drive the output shaft of which is defined as the main axis of rotation for the antenna and a position sensor. The antenna further comprises an antenna rotor the rotation of which is configured to be controlled by the out put shaft of the electromechanical drive of the bearing device. The antenna rotor comprises: at least one 2D diffraction grating; planar dielectric waveguide connected over a diffraction field to the 2D diffraction grating; a linear waveguide turn; and a feed adapter.

No. of Pages: 59 No. of Claims: 38

(21) Application No.2277/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention : METHOD SYSTEM AND WIRELESS COMMUNICATION DEVICE FOR AUXILIARY TRANSMISSION TO ADJACENT CHANNELS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H04B7/15 :201010255888.5 :13/08/2010 :China :PCT/CN2011/078367 :12/08/2011 :WO 2012/019560 :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)DIAO Xinxi 2)LAI Zhengrong 3)ZHU Xiaodong 4)ZHANG Senlin 5)MA Zhifeng 6)YANG Guang 7)ZHANG Li 8)YUE Tianheng
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### (57) Abstract:

Disclosed i s a method, system and wireless communication device for auxiliary transmission to adja cent channels. The method comprises: selecting from adja cent channels of the transmitting channel of the wireless communication device the adjacent channels requiring and allowing auxiliary transmission of the existing signals thereof; determining the generating mode of the auxiliary transmission signals for the existing signals on the selected adjacent channels; generating auxiliary transmission signals locally in the wireless communication device accord ing to the determined auxiliary transmission signals gener ating mode, and transmitting auxiliary signals on the corre sponding adjacent channels. The present invention pro vides an increase of the power of the wireless signals of the adjacent channel of the working channel by the auxil iary transmission of the adjacent channels of the transmission channel of the wireless communication device, decreases protective bandwidth between the transmission channel of the wireless communication transmission device and the adjacent channels, increases usage efficiency of the frequency spectrum, and improves coverage performance of the adjacent channels of the transmission channel of the wireless communication device.

No. of Pages: 54 No. of Claims: 25

(21) Application No.2140/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention: FUNGICIDAL BACTERICIDAL AND/OR ANTIOXIDANT TREATMENT OF FOODSTUFFS VIA APPLICATION OF FORMULATIONS COMPRISING AN ESSENTIAL OIL AND A DIALKYLENE GLYCOL

(51) International :A23B7/154,A23B9/26,A23L3/3472 classification

:10 57158 (31) Priority Document No

(32) Priority Date :09/09/2010 (33) Name of priority country: France

(86) International Application:PCT/FR2011/052047

No

:07/09/2011 Filing Date

(87) International Publication :WO 2012/032262

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

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

(57) Abstract:

Filing Date

(71)Name of Applicant: 1)XEDA INTERNATIONAL

Address of Applicant : Zone Artisanale la Crau Route

Nationale 7 F 13670 Saint Andiol France

(72)Name of Inventor: 1)SARDO Alberto

The present invention relates to the fungicidal, bactericidal and/or antioxidative treatment of foodstuffs, by means of formulations of essential oil in a dialkylene glycol.

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

(21) Application No.2192/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: A METHOD FOR TREATING LIQUID EFFLUENTS AND RECOVERING METALS

(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	:C22B3/20,C22B26/22,C02F1/62 :PI10031936 :09/08/2010 :Brazil :PCT/BR2011/000274 :09/08/2011 :WO 2012/019265	(71)Name of Applicant:  1)VALE S.A.  Address of Applicant: Avenida Graca Aranha 26 Centro CEP: 20030 900 Rio De Janeiro RJ Brazil (72)Name of Inventor:  1)EVELIN Salom£o Solino 2)SILVA Roberto Mattioli 3)DA SILVA Geraldo Luiz 4)DE SOUZA Clauson
Application Number	:NA :NA	
Number	:NA :NA	

# (57) Abstract:

A method for treating liquid effluents and recovering metais is described, which comprises the steps of: a) liquid effluent equalization; b) sulphide addition and precipitation of metals in the form of metal sulphides; c) solid/liquid separation of the metal sulphides produced in step (b) and formation of a metal-free liquid phase (10); the method for treating liquid effluents and recovering metais further comprising the following steps: d) addition of a 50 to 250 g/L amine solution to the liquid phase (10) precipitating magnesium in the form of magnesium hydroxide (Mg(OH) 2); and e) recovery of amine by stripping and rectification.

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

(21) Application No.2244/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention : MONOCLONAL ANTIBODIES AND DETECTION METHODS FOR ENZYMES THAT CONFER RESISTANCE TO 2 4 DICHLOROPHENOXYACETIC ACID

(51) International (71)Name of Applicant: :C07K16/00,C12P21/08,A61K39/395 classification 1)DOW AGROSCIENCES LLC (31) Priority Document No :61/383015 Address of Applicant: 9330 Zionsville Road Indianapolis IN (32) Priority Date :15/09/2010 46268 1054 U.S.A. (33) Name of priority (72)Name of Inventor: :U.S.A. country 1)EMBREY Shawna K. (86) International 2)LIN Gaofeng :PCT/US2011/049263 Application No 3)SHAN Guomin :26/08/2011 Filing Date (87) International :WO 2012/036870 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date

#### (57) Abstract:

(62) Divisional to

**Application Number** 

Filing Date

Described herein are monoclonal antibodies and methods useful for determining and quantitating the presence of AAD-1 (arylox valkanoate dioxygenase) enzyme. These monoclonal antibodies are surprisingly well suited for detecting AAD-1 transgenic event gene products in a variety of plants and plant t issues. The invention further provides quantitative and qualitative immunoassays using the immunoglobulins of the invention.

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

:NA

:NA

(21) Application No.2245/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : LOW TEMPERATURE SULFUR TOLERANT TAR AND SULFUR REMOVAL WITH CONTOMITANT SYNTHESIS GAS CONDITIONING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:61/382211 :13/09/2010 :U.S.A. :PCT/US2011/051381 :13/09/2011 :WO 2012/037113 :NA	(71)Name of Applicant:  1)PHILLIPS 66 COMPANY Address of Applicant: Intellectual Property Legal P.O. Box 4428 Houston TX 77210 U.S.A. (72)Name of Inventor: 1)PANSARE Sourabh S. 2)ALLISON Joe D. 3)LUSK Steven E. 4)TSANG Albert C.
Number Filing Date	:NA :NA :NA	·
(62) Divisional to Application Number Filing Date	:NA	

# (57) Abstract:

A catalyst comprising of NiO; AlO; and ZnO. The catalyst is capable of greater than 5% sulfur removal from a synthesis gas at a temperature range from 300°C to 600°C.

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

(21) Application No.2246/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention: APPARATUS AND METHOD FOR IMPROVED MEASUREMENTS OF A MONITORING 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>	:G01N27/26 :12/885830 :20/09/2010 :U.S.A. :PCT/US2011/049894 :31/08/2011 :WO 2012/039904 :NA :NA :NA	(71)Name of Applicant: 1)LIFESCAN INC. Address of Applicant:1000 Gibraltar Drive Milpitas CA 95035 6312 U.S.A. (72)Name of Inventor: 1)KRANENDONK Harry A. 2)MURRAY Lawrence K.
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#### (57) Abstract:

Methods and devices for improving measurements of test meter and in particular for detecting a presence of an electrochemical sensor or strip in the test meter and a start time of an electrochemical reaction are provided. In one exemplary embodiment of an electrochemical system includes an electrochemical sensor a test meter and a circuit. The circuit is configured to form an electrical connection with the electrochemical sensor such that the circuit can detect three distinct voltage ranges. The voltage ranges can be indicative of an absence of the electrochemical sensor a presence of the sensor that is devoid of a sample and a presence of the sensor with a sample. Test meters methods for detecting when a sample starts to fill an electrochemical sensor for establishing when a reaction starts and circuits for use with electrochemical strips are also provided.

No. of Pages: 44 No. of Claims: 20

(21) Application No.2279/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/03/2013 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: OPTICAL SHIELDING DEVICE FOR SEPARATING OPTICAL PATHS

(51) International classification :G01S17/08,G01S7/481,G01S7/483

(31) Priority Document No :10 2010 041 937.0

(32) Priority Date :04/10/2010 (33) Name of priority country :Germany

(86) International Application :PCT/EP2011/063620

No :08/08/2011

Filing Date .08/08/2011

(87) International Publication :WO 2012/045503

No
(61) Potent of Addition to

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

(62) Divisional to Application :NA
Number :NA

Filing Date

(57) Abstract:

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

Address of Applicant :Postfach 30 02 20 70442 Stuttgart

Germany

(72)Name of Inventor:1)EISELE Andreas2)WOLST Oliver

3)SKULTETY BETZ Uwe 4)SCHMIDTKE Bernd

The invention relates to a sensor unit (33) for detecting reference and measurement radiation (7, 5) for a distance measurement device. The sensor unit (33) has a sensor element (3) and an optical shielding device (1). The sensor element (3) has a first detection region (35) for detecting measurement radiation (5) and a second detection region (37) for detecting reference radiation (7). The optical shielding device (1) is positioned in relation to the sensor element (33) and fastened and optically separates the first and second detection regions (35, 37) from each other. The optical shielding device (1) further comprises a first recess (16) and a second recess (15) which are permeable to optical radiation of a first wavelength range.

No. of Pages: 28 No. of Claims: 12

(21) Application No.2194/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 12/03/2013 (43) Publication Date: 31/10/2014

#### (54) Title of the invention: APOPTOSIS IMAGING AGENTS BASED ON LANTIBIOTIC PEPTIDES

(51) International classification :A61K51/08,A61K103/10 (71)Name of Applicant :

(31) Priority Document No :1016206.3 (32) Priority Date :27/09/2010

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

(86) International Application No :PCT/EP2011/066789

Filing Date :27/09/2011 (87) International Publication No :WO 2012/041862

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

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

1)GE HEALTHCARE LIMITED

Address of Applicant : Amersham Place Little Chalfont

Buckinghamshire HP7 9NA U.K.

(72)Name of Inventor:

1)INDREVOLL Bard 2)HISCOCK Duncan 3)ARBO Bente Elizabeth

4)BHALLA Rajiv

5)GLASER Matthias Eberhard 6)MCROBBIE Graeme Walter

#### (57) Abstract:

The present invention relates to radiopharmaceutical imaging of apoptosis. The invention provides imaging agents which target apoptotic cells selective binding to the aminophospholipid phosphatidylethanolamine (PE) which is exposed on the surface of apoptotic cells. The radiopharmaceuticals comprise radiometal complexes of chelator conjugates of PE binding peptides. Also provided are pharmaceutical compositions kits and methods of imaging.

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

(21) Application No.2196/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 12/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: LENS WITH MULTI CONVEX MENISCUS WALL

(51) International classification (31) Priority Document No :61/380745

(32) Priority Date :08/09/2010 (33) Name of priority country :U.S.A.

(86) International Application No:PCT/US2011/050624

Filing Date :07/09/2011 (87) International Publication No: WO 2012/033795

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

(62) Divisional to Application :NA Number :NA

Filing Date

:G02B3/14,G02C7/08,G02C7/04 (71)Name of Applicant :

1)JOHNSON & JOHNSON VISION CARE INC.

Address of Applicant: 7500 Centurion Parkway Jacksonville

32256 U.S.A.

(72)Name of Inventor:

1)PUGH Randall B.

2)OTTS Daniel B.

3)TONER Adam

4)KERNICK Edward R.

5)RIALL James Daniel

6)SNOOK Sharika

#### (57) Abstract:

The present invention relates generally to an arcuate liquid meniscus lens with a meniscus wall. Some specific embodiments include a liquid meniscus lens with a meniscus wall essentially in the shape of multiple segments of a torus convex toward the optical axis. Embodiments may also include a lens of suitable size and shape for inclusion in a contact lens.

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

(21) Application No.2247/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/03/2013 (43) Publication Date: 31/10/2014

#### (54) Title of the invention: ANALYTE MEASUREMENT METHOD AND SYSTEM WITH HEMATOCRIT COMPENSATION

(51) International classification :A61B5/1486,G01N33/487 (71)Name of Applicant :

(31) Priority Document No :61/382234 (32) Priority Date :13/09/2010 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/GB2011/001342

Filing Date :13/09/2011 (87) International Publication No :WO 2012/035297

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

1)LIFESCAN SCOTLAND LIMITED

Address of Applicant :Beechwood Park North Inverness 1 V2

3ED Scotland U.K. (72)Name of Inventor:

1)CRAGGS Adam 2)MALECHA Michael 3)BLYTHE Steve

#### (57) Abstract:

Filing Date

Described and illustrated herein are systems and exemplary methods of operating an analyte measurement system having a meter and a test strip. In one embodiment the method may be achieved by applying a first test voltage between a reference electrode and a second working electrode and applying a second test voltage between the reference electrode and a first working electrode; measuring a first test current a second test current a third test current and a fourth test current at the second working electrode after a blood sample containing an analyte is applied to the test strip;; measuring a fifth test current at the first working electrode; estimating a hematocrit corrected analyte concentration from the first second third fourth and fifth test currents; and annunciating the hematocrit corrected analyte concentration.

No. of Pages: 39 No. of Claims: 20

(21) Application No.2248/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: POLYESTER RESINS BASED ON FATTY ACIDS THAT HAVE A SHORT OIL LENGTH AQUEOUS DISPERSIONS AND ASSOCIATED COATINGS

(51) International :C08G63/48,C09D167/08,C08J3/05

:NA

classification (31) Priority Document No :1003817

(32) Priority Date :27/09/2010 (33) Name of priority country: France

(86) International Application :PCT/FR2011/052208

No :23/09/2011 Filing Date

(87) International Publication :WO 2012/042153

(61) Patent of Addition to :NA

**Application Number** Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)ARKEMA FRANCE

Address of Applicant :420 rue dEstienne dOrves F 92705

Colombes Cedex France (72)Name of Inventor: 1)HERVE Grgoire

2)BEURDELEY Patricia

3)KURCZAK Michael

#### (57) Abstract:

The invention relates to a polyester resin which is based on at least one fatty acid, has an oil length of zro (0%) or of between 0 and 35%, has a weight ratio of oxidizable fatty acids (monoacids) relative to the overall fatty acids, of 0 or greater than 0 and ranging up to 1 and which is based on an acid component comprising, in addition to said fatty acid, from 30 to 85% by weight, relative to the total weight of said resin, of rosin and/or of derivatives thereof bearing at least one carboxylic acid fonction. The resin of the invention is used as binder in coatings and in particular in aqueous coatings such as paints, varnishes and stains, in the form of an aqueous dispersion of resin with particular performances in terms of aqueous dispersibility, development of hardness over time in the absence of drying agent during the drying and of yellowing rsistance and water rsistance.

No. of Pages: 48 No. of Claims: 44

(21) Application No.2284/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: COMPRESSOR RECIRCULATION INTO ANNULAR VOLUME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:61/379468 :02/09/2010 :U.S.A.	(71)Name of Applicant:  1)BORGWARNER INC.  Address of Applicant: Patent Department 3850 Hamlin Road Auburn Hills Michigan 48326 U.S.A. (72)Name of Inventor:  1)ANSCHEL Paul K.  2)GRABOWSKA David G. 3)FRASER Brock
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#### (57) Abstract:

To solve the problems of compressor wheel blade flow separation causing surge type noises when a compressor return or recirculation valve is opened or closed bypass airflow from a compressor recirculation valve is fed into an annular volume defined between inner and outer walls or shaped as a radially expanded axially flattened cylindrical space in the compressor inlet so that the generally unidirectional radial flow from the compressor recirculation valve is re directed and organized as it is turned from generally radial to generally axial merging with the general inlet flow and presenting the compressor wheel with airflow of circumferentially uniform flow velocity.

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

(21) Application No.2198/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: ELEVATED TEMPERATURE FORMING METHODS FOR METALLIC MATERIALS

(51) International classification	:B21D5/00,B21D22/00,B21B3/00	(71)Name of Applicant:
(31) Priority Document No	:12/885620	1)ATI PROPERTIES INC.
(32) Priority Date	:20/09/2010	Address of Applicant :1600 N.E. Old Salem Road Albany OR
(33) Name of priority country	:U.S.A.	97321 U.S.A.
(86) International Application No Filing Date	:PCT/US2011/049052 :25/08/2011	(72)Name of Inventor : 1)STEFANSSON Njall 2)NICHOLS Andrew
(87) International Publication No	:WO 2012/039882	3)CLEPPE Michael
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method of forming a metallic article includes directly and/or indirectly inductively heating a localized region of a metallic article to a forming temperature. The metallic article may comprise materials selected from titanium alloys nickel base alloys and specialty steels e.g. stainless steel high strength low alloy steel armor steel alloys and the like. The forming temperature may be in a forming temperature range of 0.2 to 0.5 of a melting temperature of a metallic material comprising the article. The metallic article is formed in the localized region. Devices for indirectly and directly inductively heating a localized region of a metallic article are disclosed. Articles including metallic articles processed according to the methods and/or devices taught herein also are disclosed.

No. of Pages: 60 No. of Claims: 84

(21) Application No.2249/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/03/2013 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: CATERPILLAR TRACK BUSH AND CATERPILLAR LINK 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>	:B62D55/21 :2010268537 :01/12/2010 :Japan :PCT/JP2011/077537 :29/11/2011 :WO 2012/073956 :NA :NA :NA	(71)Name of Applicant:  1)KOMATSU LTD.  Address of Applicant: 2 3 6 Akasaka Minato ku Tokyo 1078414 Japan (72)Name of Inventor:  1)HISAMATSU Kenichi
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#### (57) Abstract:

To provide a caterpillar track busn and a caterpil lar link device that can maintain sealing capability stably for a long time and can be easily maintained for recovering sealing capability. [Solution] A caterpillar track bush comprises: a caterpillar track bush main body (31) which includes a large-radius cylindrical part (1a) that forms an intermedi ate part in an axial direction (O), and a small-radius cylindrical part (1b) that has a smaller radius than the large-radius cylindrical part (1a) and forms an end part in the axial direction (O); an elastic ring (32) which i s at tached around the outside of the small-radius cylindrical part (1b); a seal ring (33) which includes a seal contact end surface (37) formed on the outer end side, and i s attached to the small-radius cylindrical part (1b) by way of the elastic ring (32); a reverse taper surface (36) and a mountain-shaped pro trusion (35) for preventing the elastic ring (32) from moving outward in the axial direction (O) of the small-radius cylindrical part (1b); and a tongue-shaped protrusion (39) and a reverse taper surface (40) for preventing the seal ring (33) from moving outward in the axial direction (O) of the small-radius cylindrical part (1b).

No. of Pages: 37 No. of Claims: 6

(21) Application No.2286/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 14/03/2013 (43) Publication Date: 31/10/2014

#### (54) Title of the invention: TURBOCHARGER HOUSING SEAL

(51) International :F02B39/00,F01D11/00,F01D25/24 classification

(31) Priority Document No :61/379873 (32) Priority Date :03/09/2010 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2011/049668

:30/08/2011 Filing Date

(87) International Publication

:WO 2012/030783 No

(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)BORGWARNER INC.

Address of Applicant: Patent Department 3850 Hamlin Road

Auburn Hills Michigan 48326 U.S.A.

(72)Name of Inventor:

1)VAN SAUN Daniel J.

# (57) Abstract:

To prevent escape of exhaust gas and soot from a turbocharger a heat resistant sealing material is applied to a contact surface between a turbocharger bearing housing and center housing and cured or dried to form a thin solidified coating. The end housing is then assembled to the bearing housing whereby the coating provides a gas and soot seal between the bearing housing and end housing. The inventive seal could however also be used to seal the connection between two turbine stages or any parts attached to a turbocharger end housing and subject to pressure.

No. of Pages: 27 No. of Claims: 14

(21) Application No.2287/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 14/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: BONDED ABRASIVE ARTICLES METHOD OF FORMING SUCH ARTICLES AND GRINDING PERFORMANCE OF SUCH ARTICLES

(51) International classification :B24D3/02,B24D3/34,B24B1/00 (71) Name of Applicant:

(31) Priority Document No :61/379923

(32) Priority Date :03/09/2010 (33) Name of priority country :U.S.A.

(86) International Application No:PCT/US2011/050412

Filing Date :02/09/2011 (87) International Publication No: WO 2012/031251

(61) Patent of Addition to

:NA Application Number :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)SAINT GOBAIN ABRASIVES INC.

Address of Applicant :One New Bond Street Worcester

Massachusetts 01615 0138 U.S.A.

2)SAINT GOBAIN ABRASIFS

(72)Name of Inventor: 1)RAMANATH Srinivasan 2)SAUCIER Kenneth A. 3) UPADHYAY Rachana

#### (57) Abstract:

An abrasive tool having a bonded abrasive body including abrasive grains contained within a bond material comprising a metal. During a grinding operation the bonded abrasive body has a power variance [(Po Pn)/Po] x 100% of not greater than about 40% wherein Po represents the grinding power to grind a workpiece with the bonded abrasive body at an initial grinding cycle and Pn represents the grinding power to grind the workpiece for a nth grinding cycle wherein n>4.

No. of Pages: 63 No. of Claims: 124

(21) Application No.2062/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/03/2013

:NA

(43) Publication Date: 31/10/2014

# (54) Title of the invention: QUINOLINE AND QUINOXALINE DERIVATIVES AS KINASE INHIBITORS

(51) International (71)Name of Applicant: :C07D471/04,A61K31/519,A61P9/00 classification 1)UCB PHARMA S.A. (31) Priority Document No :1014963.1 Address of Applicant :60 Alle de la Recherche B 1070 (32) Priority Date :08/09/2010 Brussels Belgium (33) Name of priority (72)Name of Inventor: :U.K. 1)PARTON Andrew Harry country (86) International 2)ALI Mezher Hussein :PCT/GB2011/051647 Application No 3)BROOKINGS Daniel Christopher :02/09/2011 Filing Date 4)BROWN Julien Alistair (87) International 5)FORD Daniel James :WO 2012/032334 Publication No 6)FRANKLIN Richard Jeremy (61) Patent of Addition to 7)LANGHAM Barry John :NA **Application Number** 8) NEUSS Judi Charlotte :NA Filing Date 9) OUINCEY Joanna Rachel (62) Divisional to :NA

#### (57) Abstract:

**Application Number** 

Filing Date

A series of quinoline and quinoxaline derivatives comprising a fluorinated ethyl side chain being selective inhibitors of P13 kinase enzymes are accordingly of benefit in medicine for example in the treatment of inflammatory autoimmune cardiovascular neurodegenerative metabolic oncological nociceptive or ophthalmic conditions.

No. of Pages: 94 No. of Claims: 40

(21) Application No.2168/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: AMINE AND AMINE OXIDE SURFACTANTS FOR CONTROLLING HERBICIDE SPRAY DRIFT

(51) International classification	:A01N57/00	(71)Name of Applicant :
(31) Priority Document No	:61/383074	1)DOW AGROSCIENCES LLC
(32) Priority Date	:15/09/2010	Address of Applicant :9330 Zionsville Road Indianapolis IN
(33) Name of priority country	:U.S.A.	46268 U.S.A.
(86) International Application No	:PCT/US2011/051535	(72)Name of Inventor:
Filing Date	:14/09/2011	1)DOWNER Brandon Matthew
(87) International Publication No	:WO 2012/037207	2)LI Mei
(61) Patent of Addition to Application	:NA	3)LIU Lei
Number	:NA	4)QIN Kuide
Filing Date	.IVA	5)TANK Holger
(62) Divisional to Application Number	:NA	6)WILSON Stephen L.
Filing Date	:NA	7)ZHANG Hong

#### (57) Abstract:

Spray drift during the application of an aqueous mixture of glyphosate and an herbicide is reduced by incorporating certain tertiary amine or tertiary amine oxide surfactants into the aqueous solution or mixture to be sprayed.

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

(21) Application No.2169/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 11/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: SELECTIVELY ORIENTABLE IMPLANTABLE FASTENER CARTRIDGE

(51) International classification :A61B17/072,A61B17/064,A61B17/29

(31) Priority Document No :12/894377 (32) Priority Date :30/09/2010 (33) Name of priority :U.S.A.

country

(86) International Application No :PCT/US2011/053542

Filing Date :27/09/2011

(87) International Publication No :WO 2012/044631

(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 OH 45242

U.S.A.

(72)Name of Inventor:

1)SHELTON Frederick E. IV

2)KNIGHT Gary W. 3)BAXTER Chester O. III 4)AVIMUKTA Kreena B.

#### (57) Abstract:

A fastener cartridge comprises a compressible collapsible and/or crushable cartridge body and fasteners embedded within the cartridge body which can be utilized to fasten tissue. In use the fastener cartridge can be positioned in a first jaw of a surgical fastening device wherein the first jaw can be positioned opposite a second jaw or anvil. The anvil can be engaged with the fastener cartridge to compress collapse and/or crush the cartridge body and deform or otherwise deploy the fasteners contained therein. As the fasteners are deformed or deployed the fasteners can capture at least a portion of the cartridge body therein along with at least a portion of the tissue being fastened. The fastener cartridge and/or the first jaw can comprise retention features which allow the fastener cartridge to be selectively inserted into the first jaw in a first orientation or a second orientation.

No. of Pages: 320 No. of Claims: 20

(21) Application No.2216/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 12/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: PROCESS FOR PRODUCING A LACTIC ACID AMINE COMPLEX

(51) International :C07C51/295,C07C51/41,C07C51/48 classification

(31) Priority Document No :1017588.3 (32) Priority Date :18/10/2010

(33) Name of priority :U.K.

country

(86) International :PCT/GB2011/001483 Application No

:17/10/2011 Filing Date

(87) International

:WO 2012/052703 Publication No

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

(71)Name of Applicant: 1)PLAXICA LIMITED

Address of Applicant : Imperial College Incubator Level 1 Bessemer Building Imperial College London SW7 2AZ U.K.

(72)Name of Inventor:

1)MARSHALL Edward Leslie

#### (57) Abstract:

Filing Date

A process for the production of a complex of lactic acid and either ammonia or an amine comprising reacting one or more saccharides with barium hydroxide to produce a first reaction mixture comprising barium lactate and contacting at least part of the first reaction mixture with ammonia or an amine and with carbon dioxide or with the carbonate and/or bicarbonate salt of ammonia or an amine to produce a second reaction mixture comprising said complex and barium carbonate.

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

(21) Application No.2217/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: IMPROVED VACCINE COMPOSITIONS

(51) International classification :A61K39/00,A61K39/12,A61K39/145

(31) Priority Document No :PA 2010 00887 (32) Priority Date :30/09/2010 (33) Name of priority

country :Denmark

(86) International :PCT/EP2011/067080

Application No
Filing Date

30/09/2011

(87) International Publication No :WO 2012/042003

(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)EUROCINE VACCINES AB

Address of Applicant : Karolinska Science Park Fogdevreten 2

S 171 77 Stockholm Sweden (72)Name of Inventor:
1)SCHR-DER Ulf

2)ARWIDSSON Hans

# (57) Abstract:

Present invention relates to vaccine formulations and adjuvants for use in e.g. compositions thereby avoiding the phenomenon of Bell s palsy in a frequency above the natural occurrence.

No. of Pages: 64 No. of Claims: 31

(21) Application No.2290/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 14/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: DISPLAY

(51) International classification :G09F23/00,G09F13/22,G09F9/35 (71)Name of Applicant:

(31) Priority Document No :10 2010 061 123.9 (32) Priority Date :08/12/2010

(33) Name of priority country :Germany

(86) International Application :PCT/EP2011/071627

No :02/12/2011 Filing Date

(87) International Publication :WO 2012/076412

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

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

1)SCHOTT AG

Address of Applicant : Hattenbergstr. 10 55122 Mainz

Germany

(72)Name of Inventor: 1)ZENKER Thomas

#### (57) Abstract:

The invention relates to a display having a substrate (1), at least partially made of a partially transparent material, having a nonhomogenous spectral transmission curve, wherein the substrate (1) comprises a display face (1,1) and a rear face (1,2), wherein at least one luminous element (4) is disposed in the region of the rear face (1,2). Accordingly to the invention, the luminous element (4) comprises at least two, preferably three base color lamps and the base color brightness of at least one of the base color lamps is different, in order to compensate for the spectrally non-homogenous transmission curve of the substrate.

No. of Pages: 29 No. of Claims: 28

(19) INDIA

(22) Date of filing of Application :08/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: SURGICAL INSTRUMENT WITH SELECTIVELY ARTICULATABLE END EFFECTOR

(51) International :A61B18/14,A61B17/295,A61B17/068 classification (31) Priority Document No :61/386094 (32) Priority Date :24/09/2010 (33) Name of priority :U.S.A. country (86) International :PCT/US2011/053016 Application No :23/09/2011 Filing Date (87) International :WO 2012/040593

Publication No
(61) Patent of Addition to
Application Number
Filing Date

.WO
:NA

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

(71)Name of Applicant:

1)ETHICON ENDO SURGERY INC.

Address of Applicant :4545 Creek Road Cincinnati OH 45242

U.S.A.

(72)Name of Inventor:
1)SCHMID Katherine J.
2)BAXTER Chester O. III
3)ARONHALT Taylor W.
4)YOUNG Joseph E.

5)SHELTON Frederick E. IV 6)WORRELL Barry C. 7)MILLER Matthew C.

#### (57) Abstract:

A surgical instrument that has an articulatable end effector. The instrument includes an articulation system that has a rotatable actuator member that interfaces with an articulation transmission. Rotation of the actuator member in a first rotary direction about an actuation axis causes at least one articulation member to articulate the surgical end effector in a first articulation direction and rotation of the actuator member in a second rotary direction causes at least one articulation member to articulate the surgical end effector in a second articulation direction.

No. of Pages: 81 No. of Claims: 20

(21) Application No.2149/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: MUTANT CHANNELRHODOPSIN 2

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:C07K14/705 :10175832.4 :08/09/2010 :EPO :PCT/EP2011/065510 :08/09/2011 :WO 2012/032103	(71)Name of Applicant:  1)MAX PLANCK GESELLSCHAFT ZUR F-RDERUNG DER WISSENSCHAFTEN E.V.  Address of Applicant: Hofgartenstrae 8 80539 M¹/₄nchen Germany (72)Name of Inventor:  1)BAMBERG Ernst
<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	2)BAMANN Christian 3)KLEINLOGEL Sonja 4)WOOD Phillip 5)DEMPSKI Robert E.

#### (57) Abstract:

The invention relates to mutant channelrhodopsins having improved properties nucleic acid constructs encoding same expression vectors carrying the nucleic acid construct cells comprising said nucleic acid construct or expression vector and their respective uses.

No. of Pages: 55 No. of Claims: 19

(21) Application No.2200/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 12/03/2013 (43) Publication Date: 31/10/2014

#### (54) Title of the invention: PHOSPHONATE ESTER DERIVATIVES AND METHODS OF SYNTHESIS THEREOF

(51) International classification: C07F9/38,C07F9/40,A61K31/675 (71)Name of Applicant: (31) Priority Document No :61/378743

(32) Priority Date :31/08/2010 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2011/050099 :31/08/2011

Filing Date

(87) International Publication :WO 2012/031045

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

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

1)CHIMERIX INC.

Address of Applicant :2505 Meridian Parkway Suite 340

Durham NC 27713 U.S.A. (72)Name of Inventor:

1)WARE Roy W.

2)ALMOND Merrick R.

3)LAMPERT Bernhard M.

# (57) Abstract:

The disclosure describes methods of synthesis of phosphonate ester derivatives. Preferred methods according to the disclosure allow for large scale preparation of phosphonate ester compounds having high purity. In some embodiments preferred methods according to the disclosure also allow for the preparation of phosphonate ester derivatives without the use of chromatographic purification methods and in better yield than previously used methods for preparing such compounds. Also disclosed are morphic forms of phosphonate ester derivatives.

No. of Pages: 83 No. of Claims: 41

(19) INDIA

(22) Date of filing of Application :13/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: PAPERBOARD OR CARDBOARD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:D21F11/00 :61/405308 :21/10/2010 :U.S.A. :PCT/US2011/057002 :20/10/2011 :WO 2012/054677 :NA :NA :NA	(71)Name of Applicant: 1)EASTMAN CHEMICAL COMPANY Address of Applicant: 200 South Wilcox Drive Kingsport TN 37660 U.S.A. (72)Name of Inventor: 1)GUPTA Rakesh Kumar 2)MITCHELL Melvin Glenn 3)KLOSIEWICZ Daniel William 4)CLARK Mark Dwight 5)ANDERSON Chris Delbert 6)MITCHELL Marvin Lynn 7)MITCHELL Paula Hines 8)WOLFE Amber Layne
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(21) Application No.2253/DELNP/2013 A

#### (57) Abstract:

A paperboard and a cardboard comprising at least one nonwoven web layer are provided. The nonwoven web layer comprises a plurality of first fibers a plurality of second fibers and a binder. The first fibers comprise a water non dispersible synthetic polymer and have a different configuration and/or composition than the second fibers. The first fibers have a length of less than 25 millimeters and a minimum transverse dimension of less than 5 microns. The nonwoven web layer comprises at least 1 weight percent of the first fibers at least 10 weight percent of the second fibers and at least 1 weight percent of the binder. The paperboard and cardboard can incorporate a large amount of post consumer recycled fibers and still exhibit high strength and durability. Also disclosed is a process for producing the first fibers and the multicomponent fibers from which they are derived.

No. of Pages: 81 No. of Claims: 20

(21) Application No.2254/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: COMPOSITIONS OF DIBROMOMALONAMIDE AND THEIR USE AS BIOCIDES

<ul> <li>(51) International classification</li> <li>(31) 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>	:30/09/2010	(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)YIN Bei
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:WO 2012/044301 :NA :NA :NA :NA	2)SINGLETON Freddie L.

#### (57) Abstract:

A biocidal composition comprising 2 2 dibromomalonamide and an electrophile containing biocide and its use for the control of microorganisms in aqueous and water containing systems.

No. of Pages: 22 No. of Claims: 11

(21) Application No.2289/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: ROTARY COMPRESSOR WITH AN INSTALLED CIRCULATION CONTROL 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> <li>Filing Date</li> </ul>	:A61B :1001001581 :12/10/2010 :Thailand :PCT/TH2011/000047 :12/10/2011 :WO 2012/050538 :NA :NA	(71)Name of Applicant:  1)THIPCHUWONG Nopparat Address of Applicant: 39/2 Moo 5 Bangpoon Patumthani 12000 Thailand (72)Name of Inventor: 1)THIPCHUWONG Nopparat
\ <i>)</i>		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

This rotary compressor with an installed circulation control unit utilizes a method to control a rotary compressor to start or stop injecting refrigerant at a predetermined velocity by means of an electromagnetic coil that is installed onto the rotary compressor. The end of the electromagnetic coil is tenon shaped and enters into a mortise that is formed on a vane or an arm of the rotary compressor so that the operation alternates between suction and compression at a predetermined period enabling control of the rate of refrigerant circulation. In addition the rotary compressor does not restart during its operation which enhances the performance of the air conditioning system saves costs and energy and enables the air conditioning system to be easily maintained and repaired.

No. of Pages: 34 No. of Claims: 8

(19) INDIA

(22) Date of filing of Application :12/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: PROSTHETIC COMPONENT

Filing Date  (62) Divisional to Application Number :NA Filing Date :NA  Filing Date :NA		(62) Divisional to Application Number	:13/09/2011 :WO 2012/035294 :NA :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)MCMINN Derek James Wallace     Address of Applicant: Calcot Farm Calcot Hill Clent Stourbridge West Midlands DY9 9RX U.K.</li> <li>(72)Name of Inventor:</li> <li>1)MCMINN Derek James Wallace</li> </ul>
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(21) Application No.2203/DELNP/2013 A

#### (57) Abstract:

The invention relates to a prosthesis comprising a first component (10) and a second component (60) wherein the first and second components have respective inter engaging parts (24 64) and wherein at least one of the first or second components comprises an anti rotational element (32 66) configured to resist rotational movement between the inter engaging parts and wherein the inter engaging parts share an axis of rotation such that they are engageable in a plurality of relatively rotated positions and wherein the axis of rotation of the inter engaging part of one of the first or second components is parallel to but offset from a central axis of said first or second component.

No. of Pages: 37 No. of Claims: 44

(21) Application No.2255/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: LOCK FOR A VEHICLE SEAT AND VEHICLE SEAT

(51) International classification :B60N2/015,B60N2/22,B60N2/36 (71)Name of Applicant:

(31) Priority Document No :10 2010 055 246.1 (32) Priority Date :20/12/2010

(33) Name of priority country :Germany

(86) International Application :PCT/EP2011/006398

:17/12/2011 Filing Date

(87) International Publication :WO 2012/084172

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

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

(57) Abstract:

1)KEIPER GMBH & CO. KG

Address of Applicant: Hertelsbrunnenring 2 67657

Kaiserslautern Germany (72)Name of Inventor: 1)MLLER Peter 2)YASAROGLU Kadir 3)WINDECKER Volker

4)LABUK Silke 5)HABER Stefan

The invention relates to a lock (5) for a vehicle seat having a catch (12) which is pivotable about a catch axis (13) between a release position and a locking position in order to co operate with a locking bolt (7) or a locking clip of a vehicle structure (6) and having an ejector (25) wherein the ejector (25) has a spring element (21) disposed in a housing (8) of the lock (5). The ejector (25) can be brought into abutment against the vehicle structure (6) or the locking bolt (7) or locking clip by a biased spring element (21). The invention further relates to a vehicle seat in particular a motor vehicle having a lock (5) according to the invention.

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

(21) Application No.2256/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention : LOW TEMPERATURE SULFUR TOLERANT TAR REMOVAL WITH CONCOMITANT SYNTHESIS GAS CONDITIONING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B01D53/44 :61/382140 :13/09/2010 :U.S.A. :PCT/US2011/051460 :13/09/2011 :WO 2012/037164 :NA :NA	(71)Name of Applicant:  1)PHILLIPS 66 COMPANY Address of Applicant: Intellectual Property Legal P.O. Box 4428 Houston Texas 77210 U.S.A. (72)Name of Inventor: 1)PANSAFE Sourabh S. 2)ALLISON Joe D. 3)LUSK Steven E. 4)TSANG Albert C.
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### (57) Abstract:

A catalyst comprising NiO a metal mixture comprising at least one of MoO3 or WO3 a mixture comprising at least one of SiO and A1O and PO. In this embodiment the metal sites on the catalyst are sulfided and the catalyst is capable of removing tar from a synthesis gas while performing methanation and water gas shift reactions at a temperature range from 300°C to 600°C.

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

(19) INDIA

(22) Date of filing of Application :13/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: PROCESSING ROUTES FOR TITANIUM AND TITANIUM ALLOYS

(71)Name of Applicant: (51) International classification :C22C14/00,C22F1/18 1)ATI PROPERTIES INC. (31) Priority Document No :12/882538 Address of Applicant: 1600 N.E. Old Salem Road Albany (32) Priority Date :15/09/2010 Oregon 97321 U.S.A. (33) Name of priority country :U.S.A. 2)ATI PROPERTIES INC. (86) International Application No :PCT/US2011/048546 (72)Name of Inventor: Filing Date :22/08/2011 1)FORBES JONES Robin M. (87) International Publication No :WO 2012/036841 2)MANTIONE John V. (61) Patent of Addition to Application 3)DE SOUZA Urban J. Number :NA 4)THOMAS Jean Philippe Filing Date 5)MINISANDRAM Ramesh S. (62) Divisional to Application Number :NA 6)KENNEDY Richard L. Filing Date :NA 7)DAVIS R. Mark

#### (57) Abstract:

Methods of refining the grain size of titanium and titanium alloys include thermally managed high strain rate multi axis forging. A high strain rate adiabatically heats an internal region of the workpiece during forging and a thermal management system is used to heat an external surface region to the workpiece forging temperature while the internal region is allowed to cool to the workpiece forging temperature. A further method includes multiple upset and draw forging titanium or a titanium alloy using a strain rate less than is used in conventional open die forging of titanium and titanium alloys. Incremental workpiece rotation and draw forging causes severe plastic deformation and grain refinement in the titanium or titanium alloy forging.

No. of Pages: 74 No. of Claims: 50

(19) INDIA

(22) Date of filing of Application :14/03/2013 (43) Publication Date : 31/10/2014

(54) Title of the invention : EPIGENETIC MARKERS OF COLORECTAL CANCERS AND DIAGNOSTIC METHODS USING THE SAME

(21) Application No.2294/DELNP/2013 A

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:13/09/2011 :WO 2012/034170	(71)Name of Applicant:  1)CLINICAL GENOMICS PTY. LTD  Address of Applicant: Riverside Life Sciences Building 11  Julius Avenue North Ryde New South Wales 2113 Australia  2)COMMONWEALTH SCIENTIFIC AND INDUSTRIAL  RESEARCH ORGANISATION  (72)Name of Inventor:  1)ROSS Jason Peter  2)DREW Horace
<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	2)DREW Horace 3)BUCKLEY Michael 4)MOLLOY Peter Laurence 5)MITCHELL Susan Margaret 6)DUESING Konsta Rainer 7)XU Zheng Zhou

### (57) Abstract:

The present invention relates generally to nucleic acid molecules in respect of which changes to DNA methylation levels are indicative of the onset or predisposition to the onset of a neoplasm. More particularly the present invention is directed to nucleic acid molecules in respect of which changes to DNA methylation levels are indicative of the onset and/or progression of a large intestine neoplasm such as an adenoma or adenocarcinoma. The DNA methylation status of the present invention is useful in a range of applications including but not limited to those relating to the diagnosis and/or monitoring of colorectal neoplasms such as colorectal adenocarcinomas. Accordingly in a related aspect the present invention is directed to a method of screening for the onset predisposition to the onset and/or progression of a neoplasm by screening for modulation in DNA methylation of one or more nucleic acid molecules.

No. of Pages: 204 No. of Claims: 19

(21) Application No.2159/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: FLOOD PROTECTION GATE FOR VEHICULAR/PEDESTRIAN TRAFFIC

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:E02B3/10 :61/402756 :02/09/2010 :U.S.A. :PCT/US2011/001541 :02/09/2011 :WO 2012/030399 :NA :NA :NA	(71)Name of Applicant:  1)OBERMEYER Henry K.  Address of Applicant: 303 West County Road 74 Wellington CO 80549 U.S.A. (72)Name of Inventor:  1)OBERMEYER Henry K.
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### (57) Abstract:

The invention relates to a roadway flood protection and traffic barrier which provides a smooth upper surface for vehicles pedestrians etc. and is thin enough to be mounted to the surface of an existing roadway or parking garage ramp for example. A hinge mechanism is disclosed which facilitates the provision of a smooth roadway surface as well as a tight seal. A locking strut is provided that keeps the gate panels raised even in case of air pressure loss and which is remotely controllable.

No. of Pages: 19 No. of Claims: 1

(21) Application No.2210/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 12/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: SALTS AND POLYMORPHS OF SULFAMIDE NS3 INHIBITORS

(51) International :C07D209/96,C07D405/14,C07D401/12 classification

(31) Priority Document :61/391456

(32) Priority Date :08/10/2010 (33) Name of priority :U.S.A.

country (86) International :PCT/CN2011/080534

Application No

:08/10/2011 Filing Date

(87) International Publication No

:WO 2012/045280

(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)SHAH Lipa

2)SUTTON Paul Allen

3)ZHANG Lijun

### (57) Abstract:

The invention provides new salts and polymorphs of (5R 8S) 7 [(2S) 2 {[(2S) 2 cyclohexyl 2 ({[(2S) 1 isopropylpiperidin 2 yl]carbonyl}amino)acetyl]amino} 3 3 dim ethylbutanoyl] N {(1R 2R) 2 ethyl 1 [(pyrrolidin 1 ylsulfonyl)carbamoyl]cyclopropyl} 10 10 dimethyl 7 azadispiro[3.0.4.1]decane 8 carboxamide (referred to herein as Compound X) pharmaceutical compositions containing them and processes for their manufacture and use in therapy.

No. of Pages: 44 No. of Claims: 27

(21) Application No.2260/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: NOVEL CLEANING METHOD

(51) International classification :C11D3/48,C11D3/12,C11D3/37 (71)Name of Applicant:

(31) Priority Document No :1015277.5 (32) Priority Date :14/09/2010

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

(86) International Application No:PCT/GB2011/051727

Filing Date :14/09/2011 (87) International Publication No: WO 2012/035343

(61) Patent of Addition to  $\cdot NA$ 

**Application Number** :NA Filing Date

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

1)XEROS LIMITED

Address of Applicant :Unit 14 Advanced Manufacturing Park Whittle Way Catcliffe Rotherham South Yorkshire S60 5BL U.K.

(72)Name of Inventor:

1)BURKINSHAW Stephen Martin

2)JENKINS Stephen Derek

3)WADDON Alan John

#### (57) Abstract:

The invention provides a method and formulation for cleaning a soiled substrate the method comprising the treatment of the moistened substrate with a formulation comprising a multiplicity of polymeric particles wherein the polymeric particles comprise at least one antimicrobial agent. Preferably the substrate is wetted so as to achieve a substrate to water ratio of between 1:0.1 to 1:5 w/w. Optionally the formulation additionally comprises at least one additional cleaning agent and in this embodiment it is preferred that the polymeric particles are mixed with the at least one additional cleaning agent. Preferably the additional cleaning material comprises a surfactant which most preferably has detergent properties. Most preferably the substrate comprises a textile fibre. Typically the polymeric particles comprise particles of polyester or nylon most preferably in the form of beads. The results obtained are very much in line with those observed when carrying out conventional aqueous cleaning processes and the method provides the significant advantage that the use of antimicrobial agents in or on the polymer bead greatly improves the overall hygiene in the washing machine by preventing mould and bacterial growth on the polymer particle surfaces particularly at low temperatures.

No. of Pages: 28 No. of Claims: 47

(21) Application No.2298/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 14/03/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: PRODUCT CONFIGURATION SERVER FOR EFFICIENTLY DISPLAYING SELECTABLE ATTRIBUTE VALUES FOR CONFIGURABLE PRODUCTS

(51) International classification: G06F17/00,G06F17/30,G06F3/14 (71)Name of Applicant:

:WO 2012/024590

(31) Priority Document No :12/806812 (32) Priority Date :20/08/2010

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

(86) International Application :PCT/US2011/048428

:19/08/2011

Filing Date (87) International Publication

No

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

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

Filing Date

1)VALUEMOMENTUM INC.

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07080 U.S.A.

(72)Name of Inventor:

1)GOPIKRISHNA Gade 2)NALAMATI Lakshmikant

3)IYER Anant

4)SANKARANARAYANAN Venkatesh

# (57) Abstract:

A computer implemented system (110) leverages binary decision diagram (BDD) structures (702) to provide selectable attribute values for one or more configurable products. The BDD structures (702) may define offering attribute nodes (704 712) and non offering attribute nodes (714 718). The offering attribute nodes (704 712) may represent product attribute values selectable by the user based on product configuration rules and the non offering attribute nodes (714 718) may represent product attribute values not selectable by the user based on the product configuration rules. The computer implemented system (110) may further include at least one memory storage device (202) that stores one or more product configuration rules used to define permissible product configurations and attributes of the products. By evaluating the BDD structures (702) and the product configuration rules the computer implemented system (110) may prepare a customized set of product records for transmission to a user wherein the customized set of product records contains product attribute values corresponding to the offering attribute nodes.

No. of Pages: 149 No. of Claims: 58

(21) Application No.2180/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 11/03/2013

(43) Publication Date: 31/10/2014

### (54) Title of the invention: MANUFACTURING PROCESS FOR PYRIMIDINE DERIVATIVES

(51) International :C07D239/28,C07D239/30,C07D401/04 classification

:PCT/US2011/053808

:WO 2012/044727

:61/388721

:29/09/2011

:NA

:NA

:NA

(31) Priority Document

(32) Priority Date :01/10/2010 (33) Name of priority :U.S.A. 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

(71)Name of Applicant: 1)NOVARTIS AG

Address of Applicant :Lichtstrasse 35 CH 4056 Basel

Switzerland

(72)Name of Inventor:

1)CALIENNI John Vincent 2)DE LA CRUZ Marilyn 3)FLUBACHER Dietmar

4)GONG Baoging

5)KAPA Prasad Koteswara 6)KARPINSKI Piotr H.

7)LIU Hui

8)MICHEL Pascal 9)MOSE Rasmus

10)TESTA Maria Caterina

11)WAYKOLE Liladhar Murlidhar

## (57) Abstract:

The invention relates to processes for manufacturing a compound of formula (5) or a stereoisomer tautomer or a salt thereof wherein the substituents are as defined in the specification. The invention further relates to new manufacturing processes for specific solid forms of Compound A and its salts to such solid forms and to use of said solid forms for the therapeutic treatment of warm blooded animals.

No. of Pages: 111 No. of Claims: 47

(21) Application No.2230/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: STEP TO STEP WEDGE THREAD CONNECTIONS AND RELATED METHODS

(51) International classification	:E21B17/02,F16L15/00	(71)Name of Applicant:
(31) Priority Document No	:12/890290	1)HYDRIL COMPANY
(32) Priority Date	:24/09/2010	Address of Applicant :2200 West Loop South Suite 800
(33) Name of priority country	:U.S.A.	Houston TX 77027 U.S.A.
(86) International Application No	:PCT/US2011/052471	(72)Name of Inventor:
Filing Date	:21/09/2011	1)MALLIS David Llewellyn
(87) International Publication No	:WO 2012/040275	2)WARD Gary W.
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/14	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A threaded connection includes a pin member comprising a first pin step and a second pin step and pin wedge threads disposed on each of the first and second pin steps and a box member comprising a first box step and a second box step and box wedge threads disposed on each of the first and second box steps wherein an axial separation of the first and second pin steps differs from an axial separation of the first and second box steps.

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

(21) Application No.2271/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: SUBSTITUTED NUCLEOTIDE ANALOGS

(51) International :C07H19/20,A61K31/708,A61P31/16 classification

(31) Priority Document No :61/385363 (32) Priority Date :22/09/2010

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

(86) International

:PCT/US2011/052220 Application No

:19/09/2011 Filing Date

(87) International

:WO 2012/040127 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)ALIOS BIOPHARMA INC.

Address of Applicant :260 E. Grand Ave. 2nd Floor South San

Francisco CA 94080 U.S.A. (72)Name of Inventor:

1)SMITH David Bernard 2)DEVAL Jerome 3)DYATKINA Natalia 4)BEIGELMAN Leonid 5)WANG Guangyi

# (57) Abstract:

Disclosed herein are phosphorothioate nucleotide analogs methods of synthesizing phosphorothioate nucleotide analogs and methods of treating diseases and/or conditions such as viral infections cancer and/or parasitic diseases with the phosphorothioate nucleotide analogs.

No. of Pages: 238 No. of Claims: 79

(21) Application No.2273/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention : ELECTRIC CONNECTING TERMINAL AS WELL AS METHOD AND DEVICE FOR PRODUCING AN ELECTRIC CONNECTING 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 Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:H01R4/18 :10 2010 039 655.9 :23/08/2010 :Germany :PCT/EP2011/063683 :09/08/2011 :WO 2012/025372 :NA	(71)Name of Applicant:  1)TYCO ELECTRONICS AMP GMBH Address of Applicant: Amperestrasse 12 14 D 64625 Bensheim Germany (72)Name of Inventor: 1)SCHMIDT Helge 2)BLUEMMEL Uwe 3)BRANDT Jochen
<u> </u>		,
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li></ul>	:WO 2012/025372	2)BLUEMMEL Uwe
Number Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

An electric connecting terminal (100) for connecting to an electrical conductor structure (500) is described with a serration arrangement (130) comprising a plurality of serration structures (131 132 133 134 135 136 137 138) for cutting into the electrical conductor structure (500) being provided in a conductor side section (110) of the electric connecting terminal (100). In this case the serration arrangement (130) has a gradient shaped sharpness profile formed by heapings of material produced in an embossing process.

No. of Pages: 23 No. of Claims: 12

(19) INDIA

(22) Date of filing of Application :14/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: VOLTAGE CONTROL IN A VEHICLE ELECTRICAL 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>	:09/09/2011 :WO 2012/048969 :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)RETTIG Rasmus  2)SCHIEMANN Werner
(62) Divisional to Application Number Filing Date	:NA :NA	

(21) Application No.2301/DELNP/2013 A

#### (57) Abstract:

The invention relates to a method for maintaining a prescribed voltage in a battery supported vehicle electrical system during operation of an electrical starter motor comprises  $\check{z}$  -an steps of operating the electrical starter motor in the vehicle electrical system during a fitft, i.time segment in series with a limiting resistor in order to limit the current flowing through the starter motor and operating the electrical starter motor in the vehicle electrical system during a second time segment having a reduced limiting resistor in order to increase the power converted by the starter motor. A transition from the first to the second time segment is thereby controlled on the basis of characteristic electrical values scanned for the limiting resistor during the first time segment.

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

(21) Application No.2302/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention: SOLAR CELL SEALANT AND LAMINATED GLASS INTERLAYER

(51) International classification:C03C27/12,H0(31) Priority Document No:2010185976(32) Priority Date:23/08/2010(33) Name of priority country:Japan

(86) International Application No :PCT/JP2011/068687 Filing Date :18/08/2011

(87) International Publication No :WO 2012/026393

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

:C03C27/12,H01L31/042 (71)**Name of Applicant :** :2010185976 **1)KURARAY CO. LTD.** 

Address of Applicant :1621 Sakazu Kurashiki shi Okayama

7100801 Japan

(72)Name of Inventor : 1)MUGURUMA Shinichi

### (57) Abstract:

A purpose of the present myemion is to provide a solar-cell sealant that improves load bearing characteristics, allows frameless construction, allows the use of inexpensive glass, and makes it possible to reduce the weight of a solar cell. Anoth er purpose of the present invention is to provide a laminated-glass interlayer that exhibits excellent adhesion to glass and can improve the load bearing characteristics of laminated glass. The present invention pertains to a solar-cell sealant or laminated-glass interlayer that has a storage elastic modulus of 1000-4000 MPa measured at 25°C at a frequency of 0.3 Hz in accordance with JIS K 7244-4, wherein a laminate comprising glass bonded to both sides of said interlayer exhibits a compression shear strength of 5-80 MPa measured at 25°C.

No. of Pages: 60 No. of Claims: 13

(19) INDIA

(22) Date of filing of Application: 12/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: STEEL RAIL FOR HIGH SPEED AND QUASI HIGH SPEED RAILWAYS AND MANUFACTURING METHOD THEREOF

(71)Name of Applicant: 1)PANGANG GROUP COMPANY LTD. (51) International classification: C22C38/14.C22C38/18.C21D8/00 Address of Applicant : Xiangyang Village, East District (31) Priority Document No :201010270439.8 (32) Priority Date :02/09/2010 Panzhihua Sichuan 617067 China (33) Name of priority country 2)PANGANG GROUP PANZHIHUA STEEL & :China (86) International Application VANADIUM CO. LTD. :PCT/CN2011/079278 No (72)Name of Inventor: :02/09/2011 Filing Date 1)MEI Dongsheng (87) International Publication 2)ZOU Ming :WO 2012/028111 3)HAN Zhenyu (61) Patent of Addition to 4)XU Quan :NA **Application Number** 5)GUO Hua :NA Filing Date 6)DENG Yong (62) Divisional to Application 7)LI Dadong :NA 8)TANG Li Number :NA 9)ZHAO Yun Filing Date 10)LIU Jianhua

### (57) Abstract:

Disclosed are a steel rail for high speed and quasi-high speed railways and the manufacturing method thereof. The steel rail with better rolling contact fatigue property can be obtained by reducing the percentage of carbon and using a technique of controlled cooling after rolling. The steel rail contains the following chemical compositions by weight: 0.40-0.64% of C; 0.10-1.00% of Si; 0.30-1.50% of Mn; less than or equal to 0.025% of P, less than or equal to 0.025% of S, less than or equal to 0.005% of Al; greater than 0 and less than or equal to 0.05% of a rare earth element; at least one of V, Cr, and Ti, having a total quantity of greater than 0 and less than or equal to 0.20%; and a remaining percentage of F e and inevitable impurities. The steel rail manufactured according to the method in the present invention maintains the strength and hardness of the steel rail currently used in high speed rail ways while enhancing the tensile plasticity and yield strength. In addition, the energy value for the initiation and propagation of the fatigue micro crack on the surface of the steel rail is increased, thus improving the rolling contact fatigue property of the steel rail under the same condition. This prolongs the service life of the steel rail and enhances transportation safety.

No. of Pages: 33 No. of Claims: 13

(21) Application No.2219/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : REGISTRATION SERVER GATEWAY APPARATUS AND METHOD FOR PROVIDING A SECRET VALUE TO DEVICES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:G06F21/20,H04M3/00 :NA :NA :NA :PCT/JP2010/070159 :05/11/2010 :WO 2012/060021 :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)MURAKAMI Shingo 2)HJELM Johan 3)MATSUMURA Takeshi 4)ODA Toshikane 5)YASUKAWA Kenta
Number Filing Date		5)YASUKAWA Kenta
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention relates to auto provisioning of authentication data for client devices. A registration server includes a gateway determination unit which is configured to determine a gateway apparatus transferring a request signal from a device and a processing unit. The processing unit is configured to transmit a first signal including a token and first access information of the gateway apparatus to the device if an identifier of the gateway apparatus is stored on the server and to transmit a second signal indicating a positive response to the gateway apparatus when it obtains the token and the identifier based on a third signal received in response to the first signal. The gateway apparatus sends the secret value to the device when it receives the second signal.

No. of Pages: 36 No. of Claims: 16

(19) INDIA

(22) Date of filing of Application: 14/03/2013

(21) Application No.2309/DELNP/2013 A

(43) Publication Date: 31/10/2014

### (54) Title of the invention: PROPHYLACTIC OR THERAPEUTIC AGENT FOR FIBROSIS

(51) International :C12N15/113,A61K31/7105,A61K48/00 classification

(31) Priority Document

:2010231946

(32) Priority Date :14/10/2010

(33) Name of priority country

:Japan

(86) International

:PCT/JP2011/073628

Application No Filing Date

:14/10/2011

(87) International

:WO 2012/050181

Publication No

(61) Patent of Addition to :NA :NA

**Application Number** Filing Date

(62) Divisional to :NA Application Number :NA

Filing Date

(71)Name of Applicant:

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2)OTSUKA PHARMACEUTICAL CO. LTD.

(72)Name of Inventor:

1)GABAZZA Esteban C

2)KOBAYASHI Tetsu

3)TOYOBUKU Hidekazu

4)FUKUDA Ayako

5)HASEGAWA Tetsuya

### (57) Abstract:

Provided is siRNA effective for the treatment of fibrosis and a pharmaceutical containing the siRNA. An siRNA having a full length of 30 or fewer nucleotides and targeting a sequence consisting of 17 to 23 consecutive bases selected from the group consisting of bases at positions 1285 to 1318, bases at positions 1398 to 1418, bases at positions 1434 to 1463, bases at positions 1548 to 1579, bases at positions 1608 to 1628, bases at positions 1700 to 1726, bases at positions 1778 to 1798, bases at positions 1806 to 1826, and bases at positions 1887 to 1907 of SEQ ID NO: 1.

No. of Pages: 75 No. of Claims: 19

(21) Application No.2310/DELNP/2013 A

1)SHIN KOBE ELECTRIC MACHINERY CO.LTD.

Address of Applicant: 8 1Akashi cho Chuo ku Tokyo 1040044

(19) INDIA

(22) Date of filing of Application :14/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: NONAQUEOUS ELECTROLYTE SECONDARY BATTERY

(51) International classification :H01M2/06,H01M2/04,H01M2/08 (71)Name of Applicant :

(31) Priority Document No :2010210416 (32) Priority Date :21/09/2010

(33) Name of priority country :Japan

(86) International Application
No :PCT/JP2011/071480

Filing Date :21/09/2011

(87) International Publication

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

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

2)MISHIRO Yuichiro

:WO 2012/039423 3)SHINTO Murashi 4)IKEDA Kenzou

5)TANAKA Akira

(72) Name of Inventor:

1)KUGINO Satoshi

Japan

(57) Abstract:

Even if a cover and electrode terminal sealing structure iorm a structure that compresses a sealing member by the tightening of nuts in a nonaqueous electrolyte secondary battery, and even i f the nuts are tightened so as to obtain a suitable amount of compression on the sealing member when the battery i s manufactured, there i s a danger of the amount of compression on the sealing member becoming insufficient and the seal performance being reduced i f the nuts loosen thereafter. Therefore, this nonaqueous electrolyte secondary battery i s constituted with a structure i n which a cover that seals an opening part of a battery case, which i s provided with an opening part that accommodates an electrode group and organic electrolyte, by being tightened se curely t o the battery case. Electrode terminals, which are electrically connected t o the electrode group, face each other through an elastic body.

No. of Pages: 42 No. of Claims: 14

(19) INDIA

(22) Date of filing of Application :12/03/2013 (43) Publication Date : 31/10/2014

(54) Title of the invention: CARTRIDGE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B41J2/175 :2010285972 :22/12/2010 :Japan :PCT/JP2011/007077 :19/12/2011 :WO 2012/086171 :NA :NA	(71)Name of Applicant:  1)SEIKO EPSON CORPORATION  Address of Applicant: 4 1 Nishishinjuku 2 chome Shinjuku ku Tokyo 1630811 Japan (72)Name of Inventor:  1)KARASAWA Masahiro 2)AOKI Yuji 3)SATOH Hiroshi 4)TAKAHASHI Masaru
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(21) Application No.2209/DELNP/2013 A

### (57) Abstract:

A cartridge i s provided with a case, a print material storage unit, a print ma- terial passage, and two insertion holes ar- ranged at the front surface of the case. A rod used for the end point detection of the print material i s inserted into the first insertion hole. A print material supply tube i s inserted into the second insertion hole. The first insertion hole i s located at the intermediate position between a first side surface and a second side surface, on the front surface.

No. of Pages: 78 No. of Claims: 13

(21) Application No.2280/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: DRINKING CONTAINER

(51) International classification	:A61J9/00,A61J9/08	(71)Name of Applicant:
(31) Priority Document No	:61/382785	1)ABBOTT LABORATORIES
(32) Priority Date	:14/09/2010	Address of Applicant :100 Abbott Park Road Abbott Park
(33) Name of priority country	:U.S.A.	Illinois 60064 U.S.A.
(86) International Application No	:PCT/US2011/051534	(72)Name of Inventor:
Filing Date	:14/09/2011	1)STEPHAN Gary
(87) International Publication No	:WO 2012/037206	2)SAUNDERS Craig
(61) Patent of Addition to Application	:NA	3)SPIRK Evan
Number	:NA	4)KALMAN Jeffrey
Filing Date	.IVA	5)BOLL David
(62) Divisional to Application Number	:NA	6)ZUCCARO Anthony
Filing Date	:NA	7)PERRY James P.

#### (57) Abstract:

A drinking container and its components are described. A cap for the baby bottle includes a reservoir for storage of a dry powder formula. A clamp ring locking indicator for a container is described. The locking indicator indicates when the clamp ring is correctly engaged to the container. A clamp ring also threads and locks to the container with an approximately 180 degree turn. A stir insert for the baby bottle is described. The stir insert is positioned in an interior of the container in order to promote the mixing of the dry powder formula with the liquid. The stir insert includes a paddle portion that oscillates or moves in a back and forth manner as the bottle is shaken or stirred. A system cup is described. A single container has different attachments for the period from newborn to childhood to allow a single cup to be used throughout that entire time period.

No. of Pages: 60 No. of Claims: 44

(19) INDIA

(22) Date of filing of Application: 13/03/2013

(21) Application No.2281/DELNP/2013 A

(43) Publication Date: 31/10/2014

# (54) Title of the invention : AIR CONDITIONING DEVICE AND METHOD FOR AIR CONDITIONING AN INTERIOR AND/OR AT LEAST ONE COMPONENT OF AN ELECTRIC VEHICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:10 2010 042 195.2 :08/10/2010 :Germany :PCT/EP2011/064866 :30/08/2011 :WO 2012/045528 :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)TSCHISMAR Oliver
Filing Date	:NA	

### (57) Abstract:

The present invention provides an air-conditioning device (1) for air-conditioning an interior and/or at least one component of an electric vehicle, wherein the air-conditioning device (1) has a plurality of fluid circuits (81, 82, 83, 84, 85) with respective working media and is configured for heating and for cooling the electric vehicle, wherein a first fluid circuit (81) is designed to heat the interior of the electric vehicle via the first heat exchanger (31), wherein a second fluid circuit (82) is designed to heat the first evaporator (21), wherein a third fluid circuit (83) is designed to heat or cool the interior of the electric vehicle, wherein a fourth fluid circuit (84) is designed to heat the interior of the electric vehicle via the first heat exchanger (31), wherein a fifth fluid circuit (85) is designed to cool the heat source (2, 3) of the at least one component of the electric vehicle.

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

(21) Application No.2311/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 14/03/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: HIGH STRENGTH STEEL SHEET WITH EXCELLENT DUCTILITY AND STRETCH FLANGEABILITY HIGH STRENGTH GALVANIZED STEEL SHEET AND METHOD FOR PRODUCING BOTH

(51) International classification: C22C38/00, C21D9/46, C22C38/06 (71) Name of Applicant:

:WO 2012/036269

(31) Priority Document No :2010208329 (32) Priority Date :16/09/2010

(33) Name of priority country: Japan

(86) International Application

:PCT/JP2011/071222 :16/09/2011

Filing Date (87) International Publication

No

(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)KAWATA Hirovuki 2)MARUYAMA Naoki 3)MURASATO Akinobu

4)YOSHINAGA Naoki 5)WAKABAYASHI Chisato

6)SUZUKI Noriyuki

### (57) Abstract:

This high-strength steel sheet includes by mass percentage: 0.05 to 0.4% of C; 0.1 to 2.5% of Si; 1.0 to 3.5% of Mn; 0.001 to 0.03% of P; 0.0001 to 0.01% of S; 0.001 5 to 2.5% of Al; 0.0001 to 0.01% of N; 0.0001 to 0.008% of O; and a remainder composed of iron and inevitable impurities, wherein a steel sheet structure contains by volume fraction 10 to 50% of a ferrite phase, 10 to 50% of a tempered martensite phase, and a remaining hard phase, wherein a 98% hardness is 1.5 or more times as high as a 2% hardness in a range from 1/8 to 3/8 of a thickness of the steel sheet, wherein a kurtosis 10 K of the hardness distribution between the 2% hardness and the 98% hardness is -1.2 to -0.4, and wherein an average crystal grain size in the steel sheet structure is 10u.m or less.

No. of Pages: 113 No. of Claims: 18

(21) Application No.2299/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 14/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: COOLING MODULE AND METHOD FOR PRODUCING A COOLING MODULE

(51) International classification :H01M10/50,F28F1/00,F28F3/00 (71)Name of Applicant:

(31) Priority Document No :10 2010 036 151.8 (32) Priority Date :02/09/2010 (33) Name of priority country :Germany

(86) International Application :PCT/EP2011/004361

No :30/08/2011 Filing Date

(87) International Publication No:WO 2012/028298

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)AKASOL ENGINEERING GMBH

Address of Applicant :LANDWEHRSTRASSE 55 64293

DARMSTADT, GERMANY (72)Name of Inventor:

1)VON BORCK Felix 2)EBERLEH Bjrn

### (57) Abstract:

The invention relates to a method for producing a cooling module (10) in the form of a body having an inner space (24) for receiving battery cells wherein between an inlet region and an outlet region the body has one or more cooling passages (20) extending parallel to each other and is formed at least partially from a length or several lengths of a hollow profile (30) member.

No. of Pages: 51 No. of Claims: 32

(21) Application No.2319/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 14/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: HEAD UP DISPLAY COMPRISING A PROJECTION SCREEN AND A DEVICE FOR MOVING AND POSITIONING A PROJECTION SCREEN AND METHOD FOR OPERATING SUCH A HEAD UP DISPLAY

:G02B27/01,B60K37/02 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)JOHNSON CONTROLS GMBH :10 2010 046 008.7 (32) Priority Date Address of Applicant: Industriestrae 20 30 51399 Burscheid :18/09/2010 (33) Name of priority country Germany :Germany (86) International Application No :PCT/EP2011/066082 (72)Name of Inventor: Filing Date 1)HOPF Christian :16/09/2011 (87) International Publication No :WO 2012/035134 2)NOEL Alexander (61) Patent of Addition to Application 3)RUMPF Horst :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

The invention relates to a head-up display (1) comprising a projection screen (3) and a device (2) for moving and positioning said projection screen (3). According to the invention, in order to open or close the projection screen (3) by means of the device (2), a linear movement with a short path can be transformed into a pivoting movement with a long path, an adjustment of the incline of the projection screen (3) being actuatable by means of the device (2) when the projection screen (3) is in the operating position. The invention also relates to a method for operating a head-up display (1) comprising a projection screen (3) and a device (2) for moving and positioning a projection screen.

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

(21) Application No.2320/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 14/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: DISPLAY UNIT COMPRISING A PROJECTION SCREEN FOR A HEAD UP DISPLAY

(51) International classification: G02B27/01, B60R11/02, F16H1/16 (71) Name of Applicant:

(31) Priority Document No :10 2010 046 007.9

(32) Priority Date :18/09/2010

(33) Name of priority country: Germany

(86) International Application :PCT/EP2011/066065

No :16/09/2011 Filing Date

(87) International Publication :WO 2012/035128

(61) Patent of Addition to

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

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

1)JOHNSON CONTROLS GMBH

Address of Applicant: Industriestrae 20 30 51399 Burscheid

Germany

(72)Name of Inventor:

1)HOPF Christian

2)NOEL Alexander

3)RUMPF Horst

### (57) Abstract:

The invention relates to a display unit (1) comprising a projection screen (3) for a head-up display. According to the invention, the projection screen (3) is mounted and arranged in a carrier element (2) in such a way that it can pivot about an axis(X) of inclination, the incline of the screen being adjustable by means of a pivoting device (4). The pivoting device (4) comprises at least one worm gear.

No. of Pages: 17 No. of Claims: 14

(21) Application No.2327/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :15/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: A METHOD AND ARRANGEMENT FOR PROVIDING LNG FUEL FOR SHIPSN

(51) International classification :B63H21/14,B63H25/12 (71)Name of Applicant : (31) Priority Document No 1)W,,RTSIL,, OIL & GAS SYSTEMS AS :20101189 (32) Priority Date Address of Applicant :Postboks 144 N 1371 Asker Norway :25/08/2010 (33) Name of priority country (72)Name of Inventor: :Norway :PCT/NO2011/000235 (86) International Application No 1)AARSETH Harald Filing Date :25/08/2011 (87) International Publication No :WO 2012/026828 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

An arrangement for providing liquefied natural gas (LNG) as fuel for propulsion of a ship (1 6) having cargo tanks (2 7) for liquefied gas comprises a source of LNG (3 8) and at least one first heat exchanger (41) for vaporizing and/or heating the LNG directly or indirectly with a warmer medium (44). The warmer medium is boil off gases from the cargo tanks (2 7) being re liquefied in the process.

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

(21) Application No.2328/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :15/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: AMPHIPHILIC PRESSURE SENSITIVE ADHESIVES FOR HUMAN SKIN ADHESION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:C08L15/00 :61/373951 :16/08/2010 :U.S.A. :PCT/US2011/047878 :16/08/2011 :WO 2012/024273	(71)Name of Applicant:  1)CONVATEC TECHNOLOGIES INC.  Address of Applicant: 3993 Howard Hughes Parkway Suite 250 Las Vegas NV 89169 6754 U.S.A. (72)Name of Inventor:  1)SAMBASIVAM Mahesh 2)YU Xiang
<ul> <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	3)SALAMONE Ann Beal 4)SALAMONE Joseph C.
Filing Date	:NA	

### (57) Abstract:

The present invention relates to amphiphilic pressure sensitive adhesives specifically pressure sensitive adhesives with amphiphilic copolymers which improve adhesion under moist environment. The amphiphilic copolymers comprise at least one hydrophobic acrylic monomer or oligomer and at least one hydrophilic or amphiphilic monomer or oligomer. The present invention also relates to the use of such adhesives in securing medical devices to human skin.

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

(21) Application No.2331/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :15/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : METHODS AND SYSTEMS FOR ENHANCED DELIVERY OF THERMAL ENERGY FOR HORIZONTAL WELLBORES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:E21B43/24 :61/374778 :18/08/2010 :U.S.A. :PCT/US2011/048325 :18/08/2011 :WO 2012/024541 :NA	(71)Name of Applicant: 1)FUTURE ENERGY LLC Address of Applicant: 3525 Del Mar Heights Road Suite 198 San Diego CA 92130 U.S.A. (72)Name of Inventor: 1)HYTKEN Kent
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Systems and methods for delivery of thermal energy to horizontal wellbores are disclosed. In one embodiment a method comprises heating a heat transfer fluid; circulating the heat transfer fluid into a vertical bore to a heat exchanger; advancing feedwater into the vertical bore to the heat exchanger wherein the heat exchanger is configured to transfer heat from the heat transfer fluid to the feedwater to generate steam; transmitting the steam from the heat exchanger into a horizontal wellbore to cause heating of a subterranean region; and returning the heat transfer fluid from the heat exchanger to the surface. The method may further comprise collecting liquefied formation in a second horizontal wellbore; and transmitting the liquefied formation to the surface through a production line.

No. of Pages: 31 No. of Claims: 41

(21) Application No.2300/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : METHOD AND ARRANGEMENT FOR IDENTIFYING VIRTUAL VISUAL INFORMATION IN IMAGES

(31) Priority Document No :10306(32) Priority Date :06/10/(33) Name of priority country :EPO (86) International Application No Filing Date :03/10/	Address of Applicant :3 avenue Octave Grard F 75007 Paris France (72)Name of Inventor:
--	--

#### (57) Abstract:

A method for identifying virtual visual information in at least two images from a first sequence of successive images of a visual scene comprising real visual information and said virtual visual information comprises the steps of performing feature detection on at least one of said at least two images determining the movement of the detected features between said at least two images thereby obtaining a set of movements identifying which movements of said set pertain to movements in a substantially vertical plane thereby obtaining a set of vertical movements relating the features pertaining to said vertical movements to said virtual visual information in said at least two images such as to identify the virtual visual information Arrangements for performing embodiments of the method are disclosed as well.

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

(21) Application No.2333/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 15/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: METHOD FOR TRANSFERRING A METAL COIL

(51) International

:B21C47/08,B21C47/22,B21C47/24 classification

(31) Priority Document No :10176982.6 (32) Priority Date :16/09/2010

(33) Name of priority country: EPO

(86) International Application :PCT/EP2011/064806

:29/08/2011 Filing Date

(87) International Publication: WO 2012/034842

(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) SIEMENS VAI METALS TECHNOLOGIES GMBH

Address of Applicant: Turmstrae 44 A 4031 Linz Austria

(72)Name of Inventor: 1)JESCHE Michael 2)MINICHMAYR Robert

3)PEITL Wolfgang

4)SEILINGER Alois

(57) Abstract:

The invention relates to a method for transferring a metal coil (4) in particular a metal coil in a coil box on a transfer path (31) between a first coil position (5) and a second coil position (6) wherein the metal coil (4) is supported during the transfer on the transfer path (31) in segments by means of support rollers (11 12 13 14 15) and wherein the metal coil (4) is simultaneously unwound wherein a cradle (32) expanding in the direction (8) of the transfer path (31) is formed by changing the positions of support rollers disposed adjacent to each other wherein the coil (4) is supported by two support rollers (11 12) disposed on a first frame part (29) in the first coil position (5) and is displaced in the direction of the second coil position (6) from said first coil position (5) in that said frame part (29) is simultaneously tilted and lowered.

No. of Pages: 23 No. of Claims: 6

(21) Application No.2334/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 15/03/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: WEIGHT OPTIMIZED CONNECTION OF THE CHASSIS OF A RAIL VEHICLE TO A WAGON **BODY**

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B61F5/24 :A1567/2010 :21/09/2010 :Austria :PCT/EP2011/064069 :16/08/2011 :WO 2012/038157 :NA :NA	(71)Name of Applicant:  1)SIEMENS AG –STERREICH Address of Applicant: Siemensstrae 90 A 1210 Wien Austria (72)Name of Inventor: 1)HOFFMANN Thilo 2)MEISSL Thomas 3)SCHANK Armin 4)WEILGUNI Gerhard
Filing Date	:NA	

### (57) Abstract:

The invention relates to a weight optimized connection of the chassis of a rail vehicle to a wagon body (6) wherein an upwardly projecting pin shaped bracket (4) is provided on the chassis frame (9) and projects into a receptacle device (5) which is provided on the wagon body and wherein the receptacle device bounds the freedom of movement of the pin shaped bracket in such a way that predefined rolling angles of the wagon body are not exceeded in the lateral direction and pitching angles of a lateral carrier (1) are not exceeded in the longitudinal direction.

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

(22) Date of filing of Application: 15/03/2013

(21) Application No.2335/DELNP/2013 A

(43) Publication Date: 31/10/2014

## (54) Title of the invention: IMAGE PROCESSING DEVICE IMAGING DEVICE AND IMAGE PROCESSING METHOD AND **PROGRAM**

(51) International classification :H04N13/02,G03B35/02 (71)Name of Applicant : (31) Priority Document No 1)SONY CORPORATION :2010212193 (32) Priority Date Address of Applicant: 1 7 1 Konan Minato Ku Tokyo 1080075 :22/09/2010 (33) Name of priority country :Japan (86) International Application No :PCT/JP2011/070706 (72)Name of Inventor: Filing Date :12/09/2011 1)KOSAKAI Ryota (87) International Publication No :WO 2012/039307 2)INABA Seijiro (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA

:NA

(57) Abstract:

Filing Date

(19) INDIA

No. of Pages: 99 No. of Claims: 14

<sup>(57)</sup> Abstract: Provided is a configuration for linking rect angular regions cut out from a plurality of images and generating an image for displaying a two-dimensional panoramic image or a three-dimensional image, wherein a composite image that can be generated is determined on the basis of the movement of a camera, and the determined composite image is generated. Also provided is a configu ration for linking rectangular regions cut out from a plural ity oi images and generating left- and right-eye images for a twodimensional panoramic image or a three-dimensional image, wherein the movement of an imaging device during image capture is analyzed, a determination is made as to whether a two-dimensional panoramic image or a three-di mensional image can be generated, and a composite image that can be generated is generated. In accordance with the rotational momentum  $(\Theta)$  and translational momentum (t) of the camera during image capture, (a) a process i s per formed to generate a composite image of a left-eye com posite image and a right-eye composite image used to dis play a three-dimensional image, (b) a process i s performed to generate a composite image of a two-dimensional panoramic image, or (c) the generation of a composite im age is suspended. A determination i s made as t o which of processes (a) through (c) i s to b e performed, and the deter mined process i s executed. The user i s notified or alerted regarding the content of the process.

(21) Application No.2278/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : COMPOSITIONS METHODS AND ARTICLES PRODUCED BY COMPOUNDING POLYAMIDES WITH OLEFIN MALEIC ANHYDRIDE POLYMERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:16/08/2011 :WO 2012/024268 :NA :NA :NA	(71)Name of Applicant:  1)VERTELLUS SPECIALTIES INC.  Address of Applicant: 201 North Illinois Street Suite 1800 Indianapolis IN 46204 U.S.A. (72)Name of Inventor:  1)TARBIT Brian  2)ADUR Ashok M.
Filing Date	:NA	

### (57) Abstract:

The disclosure of the present application provides compositions and methods of compounding polyamides comprising the steps of forming a polyamide mixture comprising a polyamide with an olefin maleic anhydride copolymer and compounding the polyamide mixture at its processing temperature. Compounded polyamides derived from recycled nylon and other recycled polyamides and methods for preparing the compounded polyamides are described.

No. of Pages: 34 No. of Claims: 44

(22) Date of filing of Application: 15/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: ELECTRIC TWO WHEELED VEHICLE

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:2010222209 :30/09/2010 :Japan :PCT/JP2011/071967 :27/09/2011 :WO 2012/043518 :NA :NA	(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)IIDA Kazuhiro 2)HAKAMATA Osamu
Filing Date	:NA	

(21) Application No.2339/DELNP/2013 A

### (57) Abstract:

(19) INDIA

No. of Pages: 31 No. of Claims: 4

<sup>(57)</sup> Abstract: A n i V controller section 02) and an inverter section 0 3 which belong to a drive control device are iormed in a divided manner. A vehicle body below a sitting seat (17) is covered with body covers (14, 15). A storage box (100) provided with an upper opening, which can be opened and closed, and integrally formed of a synthetic resin is disposed below the sitting seat (17). The EV controller section (102) is mounted to and supported by the outer periphery of the side wall of the storage box (100).

(21) Application No.2341/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 15/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: ENERGY CONSERVATION IN HEAVY HYDROCARBON DISTILLATION

(51) International classification: C07C7/04, C07C15/08, C10G25/00 (71) Name of Applicant:

(31) Priority Document No :12/868309 (32) Priority Date :25/08/2010

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

(86) International Application :PCT/US2010/060631

No

:16/12/2010 Filing Date

(87) International Publication

:WO 2012/026956

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)UOP LLC

Address of Applicant :25 East Algonquin Road P. O. Box

5017 Des Plaines Illinois 60017 5017 U.S.A.

(72)Name of Inventor:

1)WERBA Gregory R. 2)CORRADI Jason T.

3)ZHU Xin X.

4)ABLIN David W.

5) ULAS ACIKGOZ Saadet

# (57) Abstract:

An aromatics complex producing one or more xylene isomers offers a large number of opportunities to conserve energy by heat exchange within the complex. One previously unrecognized opportunity is through providing two parallel distillation columns operating at different pressures to separate C aromatics from C+ aromatics. The parallel columns offer additional opportunities to conserve energy within the complex through heat exchange in associated xylene recovery facilities.

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

(21) Application No.2342/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 15/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: ENERGY CONSERVATION IN HEAVY HYDROCARBON DISTILLATION

(51) International classification: C07C7/04, C07C15/08, C10G25/00 (71) Name of Applicant:

(31) Priority Document No :12/868286 (32) Priority Date :25/08/2010

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

(86) International Application :PCT/US2010/060530

No :15/12/2010 Filing Date

(87) International Publication :WO 2012/026954

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

:NA Filing Date (62) Divisional to Application

:NA Number :NA Filing Date

1)UOP LLC

Address of Applicant :25 East Algonquin Road P. O. Box

5017 Des Plaines Illinois 60017 5017 U.S.A.

(72)Name of Inventor:

1)WERBA Gregory R.

2)ZHU Xin X. 3)DALY Phillip F.

4) ULAS ACIKGOZ Saadet

5)CORRADI Jason T.

6)ABLIN David W.

### (57) Abstract:

An aromatics complex producing one or more xylene isomers offers a large number of opportunities to conserve energy by heat exchange within the complex. One previously unrecognized opportunity is through providing two parallel distillation columns operating at different pressures to separate C8 aromatics from C9+ aromatics. The parallel columns offer additional opportunities to conserve energy within the complex through heat exchange in associated xylene recovery facilities.

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

(21) Application No.2343/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :15/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: ENERGY CONSERVATION IN HEAVY HYDROCARBON DISTILLATION

(51) International classification :C07C7/04,C07C15/08,C10G7/00 (71)Name of Applicant: (31) Priority Document No :12/868179 1)UOP LLC (32) Priority Date :25/08/2010 Address of Applicant :25 East Algonquin Road P. O. Box (33) Name of priority country 5017 Des Plaines Illinois 60017 5017 U.S.A. :U.S.A. (86) International Application (72)Name of Inventor: :PCT/US2010/060545 1)WERBA Gregory R. No :15/12/2010 2)CORRADI Jason T. Filing Date (87) International Publication 3)ABLIN David W. :WO 2012/026955 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

## (57) Abstract:

An aromatics complex producing one or more xylene isomers offers a large number of opportunities to conserve energy by heat exchange within the complex. One previously unrecognized opportunity is through providing two parallel distillation columns operating at different pressures to separate Caromatics from C+ aromatics. The parallel columns offer additional opportunities to conserve energy within the complex.

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

(21) Application No.2344/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :15/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: COMPUTER SYSTEM ANALYSIS METHOD AND APPARATUS

() () () () ()	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	:07/09/2011 :WO 2012/052221 :NA :NA	(71)Name of Applicant:  1)F SECURE CORPORATION  Address of Applicant: Tammasaarenkatu 7 PL24 FI 00181  Helsinki Finland (72)Name of Inventor:  1)TURBIN Pavel
(	62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method of analysing a computer on which are installed a plurality of applications each comprising a set of inter related objects. The method first comprises identifying a local dependency network for each of one or more of said applications a local dependency network comprising at least a set of object paths and inter object relationships. The (or each) local application dependency network is then compared against a database of known application dependency networks to determine whether the application associated with the local dependency network is known. The results of the comparison are then used to identify malware and/or orphan objects.

No. of Pages: 23 No. of Claims: 16

(19) INDIA

(22) Date of filing of Application :13/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: HIGH STRENGTH SPECIALTY PAPER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:D21F11/00 :61/405304 :21/10/2010 :U.S.A. :PCT/US2011/056991 :20/10/2011 :WO 2012/054669 :NA :NA :NA	(71)Name of Applicant:  1)EASTMAN CHEMICAL COMPANY Address of Applicant: 200 South Wilcox Drive Kingsport TN 37660 U.S.A. (72)Name of Inventor: 1)GUPTA Rakesh Kumar 2)MITCHELL Melvin Glenn 3)KLOSIEWICZ Daniel William 4)CLARK Mark Dwight 5)ANDERSON Chris Delbert 6)MITCHELL Marvin Lynn 7)MITCHELL Paula Hines 8)WOLFE Amber Layne
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(21) Application No.2251/DELNP/2013 A

# (57) Abstract:

A high strength specialty paper comprising at least one nonwoven web layer is provided. The nonwoven web layer comprises a plurality of first fibers a plurality of cellulosic fibers and a binder. The first fibers comprise a water non dispersible synthetic polymer and have a different configuration and/or composition than the cellulosic fibers. The first fibers have a length of less than 25 millimeters and a minimum transverse dimension of less than 5 microns. The nonwoven web layer comprises at least 10 weight percent of the first fibers at least 10 weight percent of the cellulosic fibers and at least 1 weight percent of the binder. The specialty paper exhibits excellent strength and durability.

No. of Pages: 88 No. of Claims: 21

(21) Application No.2252/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: DIHYDROBENZOXATHIAZEPINE DERIVATIVES PREPARATION THEREOF PHARMACEUTICAL COMPOSITIONS AND USE AS AMPA RECEPTOR MODULATORS

(51) International :C07D291/08,A61K31/551,A61P25/00

classification .CO/DZ91/08,A01K3

(31) Priority Document No :1003683 (32) Priority Date :16/09/2010

(33) Name of priority :France

country

(86) International Application No :PCT/FR2011/000502

Filing Date :15/09/2011

(87) International :WO 2012/035216

Publication No
(61) Patent of Addition to

Application Number
Filing Date
(62) Divisional to

:NA
:NA

Application Number :NA :NA

(71)Name of Applicant:

1)LES LABORATOIRES SERVIER

Address of Applicant :35rue de Verdun 92284 Suresnes Cedex

France

(72)Name of Inventor:
1)CORDI Alexis

2)DESOS Patrice 3)LESTAGE Pierre 4)DANOBER. Laurence

(57) Abstract:

Compounds of formula (I): in which RI is a hydrogen atom, or a heterocyclic, cyano, alkoxycarbonyl, alkylsulphonylaminoalkyl or N-hydroxycarboximidamide group; use thereof as AMPA receptor modulators.

No. of Pages: 39 No. of Claims: 18

(21) Application No.2348/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :15/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: CLUTCH RELEASE MECHANISM FOR CLUTCH DEVICE

:NA :NA

:NA

:NA

(51) International classification :F16D23/14,F16D13/52 (71)Name of Applicant : (31) Priority Document No 1)Kabushiki Kaisha F.C.C. :2010209477 (32) Priority Date Address of Applicant: 7000 36NakagawaHosoe choKita :17/09/2010 (33) Name of priority country kuHamamatsu shi Shizuoka 4311304 Japan :Japan (86) International Application No (72)Name of Inventor: :PCT/JP2011/067040 1)Makita Shouii Filing Date :27/07/2011 (87) International Publication No :WO 2012/035890 2) Miyachi Kazuyoshi (61) Patent of Addition to Application

(57) Abstract:

Filing Date

Filing Date

(62) Divisional to Application Number

Provided is a clutch release mechanism for a clutch device which suppresses a strong feel, experienced by a driver of a vehicle, that transmission of drive force starts or ends abruptly when the driver upshifts or downshifts a transmission, to thereby facilitate driving operation of the vehicle. A clutch device 100 is equipped with a clutch release mechanism 200 which cancels a state in which drive force is transmitted through the clutch device 100 in response to a shift-change operation performed for the transmission. The clutch release mechanism 200 includes a movable cam plate 210 and a stationary cam plate 230 having shift-up sloping surfaces 215, 233 on which the cam balls 226 roll when shift-up operation is performed for the transmission, and shift-down sloping surfaces 216, 234 on which the cam balls 226 roll when shift-down operation is performed for the transmission. The inclination angle of the shift-down sloping surfaces 216, 234 is smaller than that of first sloping surfaces 215a, 233a which constitute the shiftup sloping surfaces 215, 233.

No. of Pages: 48 No. of Claims: 4

(21) Application No.2349/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 15/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention : PROGRAMMABLE MULTIMEDIA CONTROLLER WITH FLEXIBLE USER ACCESS AND SHARED DEVICE CONFIGURATIONS

(51) International :H04N21/475,H04N21/41,H04L12/28

(31) Priority Document No :61/385437

(32) Priority Date :22/09/2010 (33) Name of priority

country :U.S.A.

(86) International Application No :PCT/US2011/001635

Filing Date :22/09/2011

(87) International Publication No :WO 2012/039769

(61) Patent of Addition to Application Number :NA

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

(71)Name of Applicant:

1)SAVANT SYSTEMS LLC

Address of Applicant :886 Main Street Osterville MA 02655

U.S.A.

(72) Name of Inventor:

1)LOCASCIO Timothy R. 2)MADONNA Robert P. 3)MCKINLEY David 4)SILVA Michael C.

(57) Abstract:

A system which includes a programmable multimedia controller is provided in which flexible user access is provided through a combination of user profiles and usernames/passwords. A configuration for a given device which may form part of the system or may interoperate with the system may be shared by multiple similar devices. A sharable device configuration is stored by a master device and can be shared by other devices of the same type as the master device.

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

(21) Application No.2350/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 15/03/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: METHOD FOR ELECTROSTATICALLY COATING OBJECTS AND APPLICATION DEVICE

(51) International classification: B05B5/08,B05B5/10,B05B15/12 (71) Name of Applicant: (31) Priority Document No :10 2010 051 086.6 (32) Priority Date :12/11/2010 (33) Name of priority country :Germany

(86) International Application :PCT/EP2011/005472

No :28/10/2011 Filing Date

(87) International Publication :WO 2012/062419

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

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

1)EISENMANN AG

Address of Applicant: T<sup>1</sup>/<sub>4</sub>binger Str. 81 71032 Bblingen

Germany

(72)Name of Inventor: 1)SWOBODA Werner 2) REICHLER Jan

### (57) Abstract:

In a method for electrostatically coating objects an electrical field is generated between an application device (34) and an object (50) to be coated. At least one corona electrode (42) associated with the application device (34) is connected to ground and at least one counter electrode (60; 60 64) associated with the object (50) is connected at least at intervals to a positive potential. In addition the invention relates to a system for electrostatically coating objects which comprises an application device (34) for coating material and an electrical field device (42 46 60) having a high voltage source (46) by means of which an electrical field can be generated between the application device (34) and an object (50) to be coated. The field device (42 46 60) comprises at least one corona electrode (42) associated with the application device (34) and at least one counter electrode (60; 60 64) associated with the object (50) wherein during the operation of the device (10) the at least one corona electrode (42) is connected to ground and the at least one counter electrode (60; 60 64) is connected at least at intervals to a positive potential.

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

(21) Application No.2233/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 12/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: EXHAUST GAS TREATMENT UNIT FOR AN EXHAUST GAS RECIRCULATION LINE

(51) International classification :F01N3/28,F01N13/18 (71)Name of Applicant : (31) Priority Document No :10 2010 045 871.6 1)EMITEC GESELLSCHAFT FR (32) Priority Date EMISSIONSTECHNOLOGIE MBH :17/09/2010 (33) Name of priority country :Germany Address of Applicant : Hauptstrae 128 53797 Lohmar (86) International Application No :PCT/EP2011/066160 Germany Filing Date :17/09/2011 (72)Name of Inventor: (87) International Publication No :WO 2012/035163 1)KRUSE Carsten (61) Patent of Addition to Application 2)HAESEMANN Gottfried Wilhelm :NA Number 3)KRAVETZ Bruno :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

The invention relates to an exhaust gas treatment unit (1), comprising a substantially cylindrical exhaust gas treatment body (3) having a main axis (4) and, on at least one opening side (2) of the exhaust gas treatment unit (1), at least one of the following connecting means: an offset compression zone (5), and a molded structure (16) for positive engagement. Moreover, the invention relates to an internal combustion engine (11) having at least one (such) exhaust gas treatment unit (1), comprising at least one exhaust gas conducting line (7) and at least one exhaust gas treatment unit (1), which is completely introduced in the at least one exhaust gas conducting line (7).

No. of Pages: 26 No. of Claims: 9

(19) INDIA

(22) Date of filing of Application :12/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: VARTM FLOW MODIFICATIONS FOR LOW VISCOSITY RESIN SYSTEMS

(51) International classification :B29C70/44,B29C70/48 (71)Name of Applicant : (31) Priority Document No :61/376253 1)MATERIA INC. (32) Priority Date Address of Applicant :60 N. San Gabriel Blvd. Pasadena CA :23/08/2010 (33) Name of priority country :U.S.A. 91107 U.S.A. (86) International Application No :PCT/US2011/001488 (72)Name of Inventor: Filing Date :23/08/2011 1)CORRAL Sergio (87) International Publication No :WO 2012/026980 2)CRANE Stephen (61) Patent of Addition to Application 3)STEPHEN Anthony R. :NA 4)CRUCE Christopher J. :NA Filing Date 5)FLORES Everardo Garcia (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

A vacuum assisted resin transfer molding (VARTM) method is disclosed the method comprising: providing a vacuum assisted resin transfer mold assembly comprising a mold having a first mold surface and a second mold surface arranged to enclose a laminate assembly within a space between the first and second mold surfaces when the laminate assembly is placed on the first mold surface; providing a laminate assembly comprising a laminate pre form a peel ply and a resin distribution media pervious to the flow of a resin the laminate pre form having first and second surfaces the first surface of the pre form positioned to be in contact with the first mold surface the peel ply positioned such that the second surface of the laminate pre form is in contact with the peel ply and the resin distribution media positioned to be contained within the first and second mold surfaces; positioning at least one resin flow control structure to modify the flow of resin within the resin distribution media; providing at least one inlet and at least one outlet in the laminate assembly such that the resin can be introduced into the assembly through the inlet; arranging and sealing the second mold surface to enclose the laminate assembly within the space between the first and second mold surfaces such that a vacuum can be pulled on the laminate assembly contained within the space between the first and second mold surfaces; applying a vacuum to the mold assembly; allowing the resin to flow into the laminate assembly through the at least one inlet such that the resin flows into the resin distribution media; allowing the resin to flow out of the laminate assembly through the at least one outlet; and allowing the resin to cure in the laminate assembly to form a laminate material. An article of manufacture made by said VARTM method.

No. of Pages: 101 No. of Claims: 35

(21) Application No.2354/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :15/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : METHOD AND APPARATUS FOR SERIAL DATA TRANSMISSION AT A SWITCHABLE DATA RATE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:20/09/2011 :WO 2012/038430 :NA :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)HARTWICH Florian  2)MACHAUER Ralf  3)LORENZ Tobias  4)VOETZ Frank  5)HORST Christian
Filing Date	:NA :NA	

#### (57) Abstract:

A method and an apparatus are specified in order to allow larger amounts of data to be transmitted relatively quickly in a network. According to the invention, the object is achieved in that the transmitted data frames have a logic structure in accordance with CAN Specification ISO 11898-1, wherein the time bit length within a data frame can assume at least two different values, wherein, for a first predeterminable area within the data frame, the time bit length is greater than or equal to a predetermined minimum value of approximately one microsecond, and in at least one second predeterminable area within the data frame, the time bit length is at least half, and preferably less than half, with respect to the first area, wherein changes in the time bit length are achieved by use of at least two different scaling factors for setting the bus time unit relative to a shortest time unit or the oscillator clock during operation.

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

(21) Application No.2223/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: POWER BATTERY PACK COOLING APPARATUS

(51) International classification :H01M2/02,H01M10/50,H01M2/30

(31) Priority Document No :NA (32) Priority Date :NA

(33) Name of priority country: NA

(86) International Application :PCT/SG2011/000029

Filing Date :24/01/2011

(87) International Publication :WO 2012/002907

No (61) Patent of Addition to

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

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

(57) Abstract:

(71)Name of Applicant:

1)FENG Guoan

Address of Applicant :Blk 867 #10 27 Yishun Street 81

Singapore 760867 Singapore (72)Name of Inventor:
1)FENG Guoan

Using a simple structure to facilitate a flow path delivering coolant in an even and well distributed manner providing efficient and effective cooling for power battery packs in electric vehicles. The heat exchange apparatus is composed of an array of cooling duct plates with ducts for coolant to flow within with front and back covers and their respective rubber sheets facilitating the changing of direction of the coolant providing a pathway for the coolant to flow throughout the array. Individual cells of the battery pack will be fitted in the spaces between these ducts connected in series by a novel system of electricity conducting clips forming a structure where a comprehensive well distributed and compact cooling pathway can exist within the battery pack. The concept and structure of this power battery pack cooling apparatus can also apply to other future implementations and applications requiring compact and lightweight battery packs or applications requiring effective cooling systems under space constraints.

No. of Pages: 41 No. of Claims: 2

(21) Application No.2224/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: ANTENNA APPARATUS AND METHODS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:H01Q1/24,H01Q1/38 :NA :NA :NA :NA :PCT/IB2010/054524 :06/10/2010 :WO 2012/046103 :NA :NA	(71)Name of Applicant:  1)Nokia Corporation Address of Applicant: Keilalahdentie 4 FIN 02150 Espoo Finland (72)Name of Inventor: 1)PINTO Alexandre 2)CVIKO Mirsad
(62) Divisional to Application Number Filing Date	:NA :NA	
7 5 - 4 - 4	·	·

#### (57) Abstract:

An apparatus comprising: a first ground member; a second ground member extending from the first ground member and comprising a feed point the feed point being configured to receive a signal in a first frequency band and to receive an antenna configured to operate in the first frequency band the first ground member and the second ground member having an electrical length configured to provide a resonant mode in the first ground member and the second ground member in the first frequency band.

No. of Pages: 39 No. of Claims: 26

(21) Application No.2225/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 12/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: PROCESSING APPARATUS AND PROCESSING METHOD

:WO 2012/036062

(51) International classification :B24B5/24,B24B5/313,B24B9/00 (71)Name of Applicant: (31) Priority Document No :2010208789 (32) Priority Date :17/09/2010 (33) Name of priority country :Japan

(86) International Application :PCT/JP2011/070458

:08/09/2011 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)NTN CORPORATION

Address of Applicant: 3 17 Kyomachibori 1 chome Nishi ku

Osaka shi Osaka 5500003 Japan

(72)Name of Inventor: 1)FUJIMOTO Satoshi 2)SUGITATSU Satoshi 3)KITAI Masashi

### (57) Abstract:

Provided are a processing apparatus and a processing method that are suitable for use m roller crowning o r crown ing super-finishing, reduce processing time, are suitable for use in mass production, and can be used for small curvature radius crowning and logarithmic curve- shaped crowning. In the processing apparatus, two feed drums (1, 2) which have continuous spi ral guide screw surfaces (4, 4 ) on the outer peripheries thereof and are rotated about center shafts (LI, L2) are disposed parallel t o each other. A roller (W) is brought into contact with and rolled on the mutually opposing guide screw surfaces (4, 4) of the feed drums (1, 2), and the roller (W) passes between both feed drums (1, 2) due to rotation. The processing apparatus is provided with a grindstone (3) for processing a crowning section of the roller (W) that passes between the feed drums (1, 2). Each of the guide screw surfaces (4) of the feed drums (1, 2) is axially divided into two division screw surface sections (4a, 4b) so as to support the outer peripheral surface of the roller (W) at one position at the front and one position at the rear of said roller (W).

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

(21) Application No.2360/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: DISPOSABLE ABSORBENT ARTICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A61F13/511 :61/385130 :21/09/2010 :U.S.A. :PCT/US2011/052535 :21/09/2011 :WO 2012/040315 :NA :NA :NA	(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)BEWICK SONNTAG Christopher Phillip 2)CRAMER Ronald Dean 3)HATTON James A.
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#### (57) Abstract:

A sanitary napkin is disclosed as a form of disposable absorbent article. It has an absorbent core and a hydrophobic topsheet that has an upper side that is to be worn against a user s body. The topsheet is selected from a group of nonwoven topsheets and apertured film topsheets. A trace amount of a fibrous superabsorbent material in the range of 0.30 and 3.5 grams of superabsorbent material per square meter is provided in a fibrous matrix in a secondary topsheet that is in intimate contact with the lower side of the topsheet. The fibrous matrix is made by airlaying the superabsorbent material with cellulose and bi component fiber onto a non woven carrier.

No. of Pages: 18 No. of Claims: 2

(21) A

(21) Application No.2303/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: A COTTON PAD DISPENSER AND A METHOD FOR ITS PRODUCTION

(51) International classification	:A61F15/00	(71)Name of Applicant:
(31) Priority Document No	:PA 2010 70390	1)EAZY PAC DANMARK A/S
(32) Priority Date	:10/09/2010	Address of Applicant :Spnneb k 25 DK 4300 Holb k Denmark
(33) Name of priority country	:Denmark	(72)Name of Inventor:
(86) International Application No	:PCT/DK2011/050335	1)ULRICH Hans
Filing Date	:09/09/2011	
(87) International Publication No	:WO 2012/031600	
(61) Patent of Addition to Application Number	:NA :NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The cotton pad dispenser (1) comprises a side wall (2) extending between a top and a bottom end of the dispenser (1) and an end wall (7) near the bottom end a plurality of disc shaped cotton pads (9) being stacked within the dispenser. A first cut out (3) provided in said side wall (2) extends upwards from the bottom end of the dispenser (1) so as to form an entrance into said volume through the side wall (2) and a second cut out (4) provided in said end wall (7) extends from the first cut out (3) such that the cut outs (3 4) comprise a mutual transition to form one combined withdrawal aperture (1a). The withdrawal aperture (1a) is arranged such as to enable withdrawal of a bottommost cotton pad by gripping a peripheral portion (9b) of the cotton pad (9) with an indexing finger and a thumb and pulling the cotton pad out of the withdrawal aperture (1a) by means of deformation of the cotton pad (9).

No. of Pages: 22 No. of Claims: 10

(19) INDIA

(22) Date of filing of Application :18/03/2013 (43) Publication Date : 31/10/2014

(54) Title of the invention: BAND CLAMP GUARD

(51) International classification	:B65D63/06	(71)Name of Applicant:
(31) Priority Document No	:61/382833	1)BAND IT IDEX INC.
(32) Priority Date	:14/09/2010	Address of Applicant :4799 Dahlia Street Denver CO 80216
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2011/051623	(72)Name of Inventor:
Filing Date	:14/09/2011	1)SHAFER Grant
(87) International Publication No	:WO 2012/037273	2)STIEFVATER Stevan
(61) Patent of Addition to Application	:NA	
Number	*	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
/==\		

(21) Application No.2362/DELNP/2013 A

#### (57) Abstract:

A system for protecting tubes in a heat recovery system is provided. Such tubes are often protected by shielding that is attached thereto the tubes by a plurality of band clamps. Each band clamp is associated with a guard that protects the same from the hot gases traveling through the field of tubes. In addition an automated tool is provided for tensioning the bands about the shields. The automated tool allows the band clamps to be properly interconnected to the shields in a preferred manner.

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

(21) Application No.2363/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: RAZOR HANDLE WITH A ROTATABLE PORTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B26B21/52 :61/387627 :29/09/2010 :U.S.A. :PCT/US2011/053617 :28/09/2011 :WO 2012/044660 :NA :NA	(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)MURGIDA Matthew Frank 2)JOHNSON Robert Harold 3)FATHALLAH Paul
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A handle for a shaving razor in which the handle comprise a frame and a pod operably coupled to the frame such that the pod is configured to rotate about an axis substantially perpendicular to the frame. The pod comprises a base and a cantilever tail extending from the base. A distal end of the cantilever tail is loosely retained by the frame. The cantilever tail generates a return torque upon rotation of the pod about the axis.

No. of Pages: 30 No. of Claims: 12

(19) INDIA

(22) Date of filing of Application :18/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: FORCE SENSING TOOTHBRUSH

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A46B15/00 :61/384485 :20/09/2010 :U.S.A. :PCT/US2011/052324 :20/09/2011 :WO 2012/040181 :NA :NA :NA	(71)Name of Applicant:  1)THE GILLETTE COMPANY  Address of Applicant: World Shaving Headquarters IP/Legal Patent Department 3E One Gillette Park Boston MA 02127 U.S.A. (72)Name of Inventor:  1)JUNGNICKEL Uwe 2)ALTMANN Niclas 3)GUEBLER Ren
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(21) Application No.2364/DELNP/2013 A

#### (57) Abstract:

An oral Hygiene implement (10) for evaluating applied force is described herein. The oral hygiene implement has a handle region (12) a head (14) and a neck (16) extending between the handle region and the head. The head has a plurality of cleaning elements (20) attached to the head. The handle region has a first portion (30) and a second portion (40) and a force sensor (60) pivotally connected to the first portion and the second portion. The force sensor includes the head and the neck and at least a portion of the force sensor is integrally formed with the first portion and/or the second portion.

No. of Pages: 48 No. of Claims: 15

(19) INDIA

(22) Date of filing of Application :18/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: COMPRESSIBLE FASTENER CARTRIDGE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A61B17/072 :12/894389 :30/09/2010 :U.S.A. :PCT/US2011/053605 :28/09/2011 :WO 2012/044654 :NA :NA :NA	(71)Name of Applicant:  1)ETHICON ENDO SURGERY INC.  Address of Applicant: 4545 Creek Road Cincinnati OH 45242 U.S.A. (72)Name of Inventor:  1)SHELTON Frederick E. IV  2)MORGAN Jerome R.  3)SWAYZE Jeffrey S.  4)HALL Steven G.  5)SCHEIB Charles J.
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(21) Application No.2365/DELNP/2013 A

#### (57) Abstract:

A fastener cartridge can comprise a compressible collapsible and/or crushable cartridge body and fasteners embedded within the cartridge body which can be utilized to fasten tissue. In use the fastener cartridge can be positioned in a first jaw of a surgical fastening device wherein the first jaw can be positioned opposite a second jaw or anvil. The anvil can be engaged with the fastener cartridge to compress collapse and/or crush the cartridge body and deform or otherwise deploy the fasteners contained therein. As the fasteners are deformed or deployed the fasteners can capture at least a portion of the cartridge body therein along with at least a portion of the tissue being fastened. In various embodiments the cartridge body can comprise a plurality of layers wherein at least one of the layers can be detached from the other layers and removed from the surgical site.

No. of Pages: 317 No. of Claims: 20

(19) INDIA

(22) Date of filing of Application: 13/03/2013 (43) Publication Date: 31/10/2014

:NA

(54) Title of the invention : ARRANGEMENT FOR AND METHOD OF DYNAMICALLY MANAGING ELECTRICAL POWER BETWEEN AN ELECTRICAL POWER SOURCE AND AN ELECTRICAL LOAD

(21) Application No.2262/DELNP/2013 A

(51) International classification :H02J3/38 (71)Name of Applicant: (31) Priority Document No 1)NEXTEK POWER SYSTEMS INC. :12/905312 (32) Priority Date Address of Applicant: 461 Burroughs Street Detroit MI 48202 :15/10/2010 (33) Name of priority country U.S.A. :U.S.A. (86) International Application No :PCT/US2011/055551 (72)Name of Inventor: Filing Date :10/10/2011 1)ADELSON Alex M. (87) International Publication No :WO 2012/051091 2)MANGIARACINA Anthony (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA

# (57) Abstract:

Filing Date

Electrical power is dynamically managed among one or more power sources and one or more loads. A plurality of monitor nodes is connected to an input terminal connected to each source and to an output terminal connected to each load. A plurality of electrical power storage cells is connected among the input and output terminals each cell being capable of storing power from at least one of the sources and being capable of discharging stored power to at least one of the loads. A plurality of controllable switches is connected to the cells. A programmed controller dynamically monitors operating conditions at the monitor nodes during operation of each source and each load and selectively dynamically controls the switches to interconnect the cells in different circuit topologies in response to the monitored operating conditions.

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

(21) Application No.2369/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: METHOD OF RECOMBINANT MACROMOLECULAR PRODUCTION

(51) International classification :C12P1/00,C12N1/00,C12N15/00 (71)Name of Applicant: (31) Priority Document No :61/386513

:23/09/2011

(32) Priority Date :26/09/2010 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2011/052911

Filing Date

(87) International Publication :WO 2012/040550

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

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

1)DA YU ENTERPRISES L.L.C.

Address of Applicant :3805 Old Easton Road Dovlestown PA

18902 U.S.A.

(72)Name of Inventor:

1)OKEEFE Donald

### (57) Abstract:

A method for recombinantly expressing a macromolecule in a host cell is disclosed which involves culturing a host cell which contains two nucleic acid sequences i.e. a first nucleic acid sequence encoding a membrane permeabilizing agent and a second nucleic acid sequence encoding a desired macromolecule under the operative control of an inducible promoter to a selected cell density that permits accumulation of the agent. Thereafter the host cell is exposed to an environmental condition that induces the agent to disrupt the integrity of the cell membrane without complete lysis of the cell membrane. The host cell thereby allows transport through the membrane of small molecular weight compounds. These resulting host cells are cultured in the presence of a nutrient cocktail that contains components that can transport through the disrupted cell membrane e.g. an inducing agent that induces the tightly regulated promoter and metabolic requirements that permit expression of the macromolecule. Alternatively a method for enhancing recombinant expression of a macromolecule in a host cell comprises contacting a host cell at a suitable cell density with a membrane permeabilizing agent that disrupts the integrity of the cell membrane without complete lysis of the membrane and allows transport through the membrane of small molecular weight compounds. The host cell contains a nucleic acid sequence encoding a macromolecule under the operative control of an inducible promoter. These cells are then cultured in the presence of an above described nutrient cocktail and permits enhanced expression of the macromolecule in the membrane disrupted host cell. Each method can also be employed in methods for drug screening among other uses.

No. of Pages: 40 No. of Claims: 35

(21) Application No.2370/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: SURGICAL STAPLING INSTRUMENT WITH A VARIABLE STAPLE FORMING 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>	:A61B17/072 :12/894360 :30/09/2010 :U.S.A. :PCT/US2011/053546 :27/09/2011 :WO 2012/044634 :NA :NA :NA	(71)Name of Applicant:  1)ETHICON ENDO SURGERY INC.  Address of Applicant: 4545 Creek Road Cincinnati OH 45242 U.S.A. (72)Name of Inventor:  1)MORGAN Jerome R.  2)SHELTON IV Frederick E.
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#### (57) Abstract:

A surgical stapling instrument for use with an end effector that has an anvil that is movable relative to a staple cartridge supported in the end effector. The end effector is supported by an elongated shaft that extends from a handle assembly. The staple cartridge has a plurality of unformed staples therein that are formed when the anvil is moved into forming contact therewith. Movement of the anvil is controlled by a firing trigger on a handle assembly. The amount of staple formation achieved is dependent upon the degree to which the firing trigger has been actuated.

No. of Pages: 318 No. of Claims: 20

(21) Application No.2345/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :15/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention: HOMO AND HETERO POLYAMINO ACID DERIVATIVES OF FULLERENE 60 METHOD FOR PRODUCING SAME AND PHARMACEUTICAL COMPOSITIONS BASED ON SAID DERIVATIVES

(51) International :C07C229/50,C07C227/14,A61K31/197

:WO 2012/105872

classification

(31) Priority Document :2011103574

(32) Priority Date :01/02/2011 (33) Name of priority :Russia

country

(86) International

:PCT/RU2012/000062 Application No :06/02/2012

Filing Date

(87) International

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:

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Address of Applicant :ul. Gruzinskaya 15 39 Nizhny

Novgorod 603000 Russia

2)SHVARTSMAN Iakov Yudelevich 3)SUVOROVA Olga Nikolaevna

(72)Name of Inventor:

1)RASNETSOV Lev Davidovich 2)SHVARTSMAN Iakov Yudelevich 3)SUVOROVA Olga Nikolaevna

# (57) Abstract:

The invention relates to the pharmaceutical industry and to medicine, specifically to novel homo- and hetero-polyamino-acid derivatives of fullerene C6o of general formula:  $C6o(H)x\{NH(CH2)nCOO-\}x\{NH3+(L)COOH)\}X$ ) where n = 2-5, x = 3, L = -1(CH2)m, where m = 1-5, or -CO(CH2)kCH(NH2)-, where k = 1-2, characterized in that the compounds comprise covalently bonded amino-acid groups and polar ionic forms of the amino acids, and also to a method for producing said derivatives, and to the production of pharmaceutical compositions based on same. The method for producing homo- and hetero-polyamino-acid derivatives of fullerene is based on the reaction of a nucleophilic bond of amino acids to fullerene, forming covalently bonded amino-acid derivatives of fullerene, with the subsequent introduction of polar ionic forms of the amino acids. A pharmaceutical composition comprises, as active substance, homo- and hetero-polyamino-acid derivatives of fullerene of formula C6o(H)x {NH(CH2)nCOO $x\{NH3+(L)COOH\}$ x, where n = 2-5, x = 3, L = -(CH2)ra, where m = 1-5, or -CO(CH2)kCH(NH2)-, where k = 1-2.

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

(21) Application No.2346/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :15/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: A MECHANISM FOR MANAGING AUTHENTICATION DEVICE LIFECYCLES

(51) International classification	:G06F21/00,H04L9/00	(71)Name of Applicant:
(31) Priority Document No	:61/383993	1)CERTICOM CORP.
(32) Priority Date	:17/09/2010	Address of Applicant :4701 Tahoe Blvd. Tahoe A 6th Floor
(33) Name of priority country	:U.S.A.	Mississauga Ontario L4W 0B5 Canada
(86) International Application No	:PCT/CA2011/050550	(72)Name of Inventor:
Filing Date	:12/09/2011	1)LAMBERT Robert John
(87) International Publication No	:WO 2012/040840	
(61) Patent of Addition to Application	:NA	
Number	*	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

An authentication device is used to authenticate a component to a product using a secret key. The life cycle of the authentication device is controlled by selective deletion of the secret key. An attestation message is sent by the authentication device upon deletion of the secret key. Authentication devices from faulty components or over supply of the authentication devices ma} be rendered inoperable and audited.

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

(21) Application No.2347/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :15/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: METHOD FOR PRODUCING RARE EARTH MAGNET

(51) International classification: H01F41/02,B22F1/00,C22C28/00 (71)Name of Applicant: (31) Priority Document No :2010206963

(32) Priority Date :15/09/2010

(33) Name of priority country :Japan

(86) International Application :PCT/JP2011/071289 :13/09/2011 Filing Date

(87) International Publication :WO 2012/036294

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

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

1)TOYOTA JIDOSHA KABUSHIKI KAISHA

Address of Applicant: 1 Toyotacho Toyota shi Aichi 4718571

(72)Name of Inventor:

1)SHOJI Tetsuva

2)MIYAMOTO Noritaka

3)OMURA Shinya

4)ICHIGOZAKI Daisuke 5)YAMAMOTO Takeshi

(57) Abstract:

No. of Pages: 32 No. of Claims: 14

<sup>(57)</sup> Abstract: [Problem] To provide a method for producing an anisotropic rare-earth magnet that can be enhanced in coercive force without adding a large quantity of rare metals such as D y and Tb. [Solution] A method for producing a rare-earth magnet, including a step of bringing a compact, which is obtained by hot-working a sintered compact having a rare-earth magnet composition to provide anisotropy thereto, into contact with a low-meiting-point alloy melt containing a rare-earth element.

(21) Application No.2373/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention : SURGICAL STAPLING INSTRUMENT WITH INTERCHANGEABLE STAPLE CARTRIDGE ARRANGEMENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:28/09/2011 :WO 2012/044643	(71)Name of Applicant:  1)ETHICON ENDO SURGERY INC.  Address of Applicant: 4545 Creek Road Cincinnati OH 45242 U.S.A. (72)Name of Inventor:  1)MORGAN Jerome R.  2)SHELTON Frederick E. IV
	:WO 2012/044643 :NA :NA :NA :NA	2)SHELTON Frederick E. IV

## (57) Abstract:

A surgical stapling instrument that is configured to be used in connection with different sizes of interchangeable end effectors. The end effectors are removably couplable to an elongated shaft assembly that protrudes from a handle assembly. The end effectors are configured to support different sizes of implantable staple cartridges therein. The staples within the staple cartridge are formed as an anvil portion of the end effector is compressed into the staple cartridge. The surgical stapling instrument further includes removable adapters that facilitate attachment of different sizes of end effectors to the elongated shaft assembly.

No. of Pages: 318 No. of Claims: 20

(21) Application No.2374/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: IMPLANTABLE FASTENER CARTRIDGE COMPRISING BIOABSORBABLE LAYERS

(51) International algorification	· A 61D17/072	(71) Name of Applicant
(51) International classification	:A61B17/072	(71)Name of Applicant :
(31) Priority Document No	:12/894383	1)ETHICON ENDO SURGERY INC.
(32) Priority Date	:30/09/2010	Address of Applicant :4545 Creek Road Cincinnati OH 45242
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2011/053602	(72)Name of Inventor:
Filing Date	:28/09/2011	1)MORGAN Jerome R.
(87) International Publication No	:WO 2012/044653	2)SCHEIB Charles J.
(61) Patent of Addition to Application	:NA	3)SHELTON IV Frederick E.
Number	*	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
. ,	*	
Filing Date	:NA	

#### (57) Abstract:

A fastener cartridge can comprise a compressible collapsible and/or crushable cartridge body and fasteners embedded within the cartridge body which can be utilized to fasten tissue. In use the fastener cartridge can be positioned in a first jaw of a surgical fastening device wherein the first jaw can be positioned opposite a second jaw or anvil. The anvil can be engaged with the fastener cartridge to compress collapse and/or crush the cartridge body and deform or otherwise deploy the fasteners contained therein. As the fasteners are deformed or deployed the fasteners can capture at least a portion of the cartridge body therein along with at least a portion of the tissue being fastened. In various embodiments the cartridge body can comprise a plurality of bioabsorbable layers. These bioabsorbable layers can be comprised of materials which can be bioabsorbed at different rates.

No. of Pages: 317 No. of Claims: 19

(21) Application No.2351/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :15/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: STEER BY WIRE STEERING SYSTEM

(51) International classification :B62D5/04,B60G3/20,B60G17/015

(31) Priority Document No :2010187805 (32) Priority Date :25/08/2010

(33) Name of priority country: Japan (86) International Application

No :PCT/JP2011/067935

Filing Date :05/08/2011

(87) International Publication :WO 2012/026301

No (61) Patent of Addition to

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

(62) Divisional to Application
Number
Filing Date
:NA

(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)YAMAMOTO Tetsuya
2)GOTOU Tomomi

3)TOMODA Kaori

(57) Abstract:

(57) Abstract: A wheel steering mechanism which consu- tutes a steer-by-wire steering system i s made as compact as possible t o such an extent as t o b e received in a wheel house o f a vehicle. T o this end, provided i s a steer-by-wire steering system wmch i s equipped with a wheel steering mechanism (13) mechanically separated fixim a steering in put apparatus and controls the wheel steering mechanism (13) on the basis of an input signal from the steering input apparatus. The steer-by-wire steering system i s adapted such that the wheel steering mechanism (13) includes a wheel steering motor (15) secured t o a knuckle joint (21) of a steered wheel (14) via a gear case (36); a wheel steer ing shaft (20) secured t o an upper arm (22); a worm wheel secured t o the wheel steering shaft (20); a worm gear en gaged with the worm wheel; and the gear case (36) i n wmch these gears are received.

No. of Pages: 26 No. of Claims: 19

(21) Application No.2352/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 15/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: HEAT RESISTANT FERRITE TYPE STAINLESS STEEL PLATE HAVING EXCELLENT OXIDATION RESISTANCE

(51) International :C22C38/00,C22C38/50,C22C38/54

classification (31) Priority Document No :2010207925

:16/09/2010 (32) Priority Date (33) Name of priority country: Japan

(86) International Application :PCT/JP2011/071765

No :15/09/2011 Filing Date

(87) International Publication :WO 2012/036313

(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 & Sumikin Stainless Steel Corporation Address of Applicant: 6 1 Otemachi 2 chome Chiyoda ku

Tokyo 1000004 Japan (72)Name of Inventor: 1)INOUE Yoshiharu 2)HAMADA Junichi 3)KANNO Norihiro

4)TERAOKA Shinichi

(57) Abstract:

(57) Abstract: A heat-resistant ferrite-type stainless steel plate having excellent oxidation resistance while being low m cost and optimal for use i n exhaust system components, wherein mass% falls within the following ranges: C: 0.015% or less, N: 0.020% or less, P: 0.04% or less, S: 0.001% or less, Si: 0.3-1.5% or less, Mn: 0.3-0.7% or less, Cr: 11.0-17.0%, Cu: 0.8-1.5%, Ni: 0.05-1.0%, V: 0.5% or less, Al: over 0.01 up to 0.1%, Ti: 10(C+N) to 0.3%. Also, the element content of the elements in the fer rite-type stainless steel plate having excellent oxidation and thermal resistance has been mutually adjusted in a manner such that the value of  $\gamma$ defined i n formula (1) i s 3 5 or less. (1) y=23[%Ni]+9[%Cu]+7[%Mn]-1 1.5[%Cr]-1 1.5[%Si]-52[%Al]-49[[Ti %]-4([%C]+[%N])]-23[%V]-12[%Mo] -47[%Nb]+189

No. of Pages: 20 No. of Claims: 3

(21) Application No.2376/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: METHOD FOR PREVENTING STITCH FROM COMING APART DEVICE FOR PREVENTING STITCH FROM COMING APART AND STITCH 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> </ul>	:D05B1/10 :2011115174 :23/05/2011 :Japan :PCT/JP2012/060100 :13/04/2012 :WO 2012/160900 :NA	(71)Name of Applicant:  1)Yamato Mishin Seizo Kabushiki Kaisha Address of Applicant: 4 12 Nishi Temma 4 chome Kita ku Osaka shi Osaka 5300047 Japan (72)Name of Inventor: 1)HASHIMOTO Seiji 2)HIKICHI Koichi
· ·		2)HIKICHI Koichi
Number	:NA :NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A thread hook (3) and a iooper thread holding body (6) are disposed on the rear side of a needle entry position on a sewing machine. The thread hook (3) and the looper thread holding body (6) swing and come close to a looper once a normal sewing process com pletes. A hook part (3b) at the tip of the thread hook (3) holds a needle thread loop captured by means of the loop - er, and a thread receiving part (6a) disposed on the tip of the looper thread holding body (6) holds the looper thread extending from the looper to a sewing fabric, the hooked part (3b) and the thread receiving part (6a) each being located on the front side relative to the needle lowering position. The sewing machine performs a sewing process amounting to at least one stitch by maintaining the position of the needle thread loop and the looper thread. As a consequence it is possible to effectively prevent stitches from coming apart which typically occurs in a multi-thread chain stitch without being influenced by the tensile force of the needle thread and the looper thread.

No. of Pages: 92 No. of Claims: 15

(21) Application No.2377/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: A TOY BUILDING SET

(51) International :A63H33/04,A63H33/08,B26F1/36 classification

(31) Priority Document No :PA201000957 (32) Priority Date :21/10/2010

(33) Name of priority country: Denmark

(86) International Application

:PCT/DK2011/050387 :17/10/2011

Filing Date (87) International Publication

:WO 2012/052021 No

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

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

(57) Abstract:

(71)Name of Applicant:

1)LEGO A/S

Address of Applicant : Aastvej 1 DK 7190 Billund Denmark

(72)Name of Inventor:

1)H~HRMANN PEDERSEN Frank

A toy building set comprising at least one building element (16) having a surface on which a number of coupling studs (8) are provided that extend from the surface and wherein those coupling studs are configured in a pattern by which there is a mutually fixed distance between adjacent coupling studs and wherein the toy building set further comprises a perforator (1) said perforator comprising a housing in which at least one punching tool is configured for punching material from a sheet element configured from a thin material such as a sheet of eg paper plastics or fabric in such a manner that the perforator is capable of punching a hole in the sheet which hole has such expanse that one or more coupling studs can be introduced into the punched hole. In that the housing comprises an essentially plane surface in which a number of indentations (9) are provided that form a number of coupling means that are complementary relative to the coupling studs and are configured with the same mutually fixed distance as the distance between the coupling studs on the building element it is thus accomplished that the housing can be mounted on a building element.

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

(21) Application No.2227/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 12/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: DYNAMIC RAM PHY INTERFACE WITH CONFIGURABLE POWER STATES

(51) International classification :G06F13/42,G06F13/40 (71)Name of Applicant : (31) Priority Document No 1)ADVANCED MICRO DEVICES INC. :61/382089 (32) Priority Date Address of Applicant :One AMD Place Sunnyvale California :13/09/2010 (33) Name of priority country 94085 U.S.A. :U.S.A. (86) International Application No :PCT/US2011/051345 (72)Name of Inventor: Filing Date :13/09/2011 1)SEARLES Shawn (87) International Publication No :WO 2012/037086 2) HUMPHRIES Nicholas T. (61) Patent of Addition to Application 3)AMICK Brian W. :NA 4) REEVES Richard W. :NA 5)CHO Hanwoo

Filing Date

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

6)PETTYJOHN Ronald L.

### (57) Abstract:

A physical memory interface (Phy) and method of operating is disclosed. The Phy interface includes command and status registers (CSRs) configured to receive a first power context and second power context. Selection circuitry is configured to switch between the first and second power contexts. A plurality of adjustable delay elements are provided each having a delay time responsive to the selected power context. A first set of CSRs configured may store the first power context and a second set of CSRs configured may store the second power context. The Phy interface may also include a plurality of drivers each having a selectable drive strength responsive to the selected power context. The Phy interface may also include a plurality of receivers each having a selectable termination impedance responsive to the selected power context. Switching between power contexts may result in adjusting of the delay elements drive strength and/or termination impedance of one or more drivers/receivers.

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

(19) INDIA

(22) Date of filing of Application: 18/03/2013 (43) Publication Date: 31/10/2014

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

:NA

(51) International classification: H02H3/04,H02H3/33,H01H83/04 (71)Name of Applicant: 1)EATON INDUSTRIES (AUSTRIA) GMBH (31) Priority Document No :A 1391/2010 (32) Priority Date Address of Applicant : Eugenia 1 A 3943 Schrems Austria :19/08/2010 (33) Name of priority country (72)Name of Inventor: :Austria (86) International Application 1)DOBUSCH Gerhard :PCT/AT2011/000335 No :04/08/2011 Filing Date (87) International Publication :WO 2012/021909 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number

(21) Application No.2380/DELNP/2013 A

#### (57) Abstract:

Filing Date

In a switching device (1) having at least one first electrical switching device input (2), at least one i rst electrical switching device Output (3) and at least one second electrical switching device Output (4), wherein, in a first operating state of the switching device (1), the first switching device input (2) is connected by circuitry to the first switching device Output (3), wherein, in a second operating state of the switching device (1), the first switching device input (2) is connected by circuitry to the second switching device Output (4), it is proposed for functional testing of a residual current device without Interruption that the swit ching device (1) be designed to change without any Interruption from the first operating state to the second operating state, and/or from the second operating state to the first operating state.

No. of Pages: 22 No. of Claims: 14

(21) Application No.2381/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: GRANULATED FOOD PRODUCT

(51) International classification :A23B4/03,A23B7/02,A23L1/00 (71)Name of Applicant :

(31) Priority Document No :201010290090.4 (32) Priority Date :10/09/2010

(33) Name of priority country :China

(86) International Application No:PCT/EP2011/065557

Filing Date :08/09/2011 (87) International Publication No: WO 2012/032119

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

:NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)NESTEC S.A.

Address of Applicant : Av. Nestl 55 CH 1800 Vevey

Switzerland

(72)Name of Inventor:

1)LIAN Rebecca Hwee Peng

2)SHEN Dong 3)ULMER Helge 4)LIU Chang

#### (57) Abstract:

A granulated food product comprising plant material from one or more aromatic plants, a meaty base and an os-motic agent, and a method for preparing a granulated food product comprising milling plant material from one or more aromatic plants together with a meaty base, mixing the milled material with an osmotic agent to form a viscous mixture, granulating the vis - cous mixture, and drying the granules.

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

(22) Date of filing of Application: 18/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: MOUNTING FOR AN INJECTOR

:NA

(51) International classification :F01N3/20,F02M53/04 (71)Name of Applicant : 1)EMITEC GESELLSCHAFT FR (31) Priority Document No :10 2010 048 284.6 (32) Priority Date EMISSIONSTECHNOLOGIE MBH :14/10/2010 (33) Name of priority country :Germany Address of Applicant: Hauptstrasse 128 53797 Lohmar (86) International Application No :PCT/EP2011/067729 Germany (72)Name of Inventor: Filing Date :11/10/2011 (87) International Publication No :WO 2012/049175 1)NAGEL Thomas (61) Patent of Addition to Application 2) SEELIGER Stefan :NA Number 3)BAUER Peter :NA Filing Date (62) Divisional to Application Number :NA

(21) Application No.2382/DELNP/2013 A

### (57) Abstract:

Filing Date

(19) INDIA

The invention relates to a mounting (1) for an injector (2), comprising at least one main body (3) and a cap (4) to form a joint receptacle (5) of the injector (2), wherein the main body (3) is formed of metal sheets (6, 7) which are connected to each other and together form at least one annular chamber (8) which extends around the receptacle (5). In particular a mounting for an injector is provided, which has a simple technical design and can be cooled (optionally in a controlled manner). Moreover, the mounting has a particularly lightweight design and is adapted to operation with considerable temperature differences.

No. of Pages: 22 No. of Claims: 10

(21) Application No.2383/DELNP/2013 A

Address of Applicant : Henkestrae 91 91052 Erlangen

(71)Name of Applicant:

(72)Name of Inventor:

1)GEPPERT Eric

1)EUROFERM GMBH

(19) INDIA

(22) Date of filing of Application: 18/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: METHOD FOR PROTECTING CROPS USING INSECT PATHOGENIC VIRUSES AND

CELLULOSE SULFATE

(51) International :A01N25/08,A01N25/22,A01N63/00 classification

(31) Priority Document No

:10 2010 037 140.8

(32) Priority Date (33) Name of priority :24/08/2010

country

:Germany

(86) International

:PCT/EP2011/064482

Application No Filing Date

:23/08/2011

(87) International

:WO 2012/025533

Publication No (61) Patent of Addition to

:NA **Application Number** :NA

Filing Date (62) Divisional to

**Application Number** Filing Date

:NA

:NA

(57) Abstract:

The invention relates to a method for protecting crops in which crop protection agents containing insect pathogenic viruses and cellulose sulfate are applied to the crops.

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

(21) Application No.2375/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention : BATTERY PACK AND MONITORING METHOD FOR REMOVAL OF SECONDARY BATTERY IN BATTERY PACK

(51) International classification :H01M10/42,H01M2/10 (71)Name of Applicant : (31) Priority Document No 1)SONY CORPORATION :2010213043 (32) Priority Date :24/09/2010 Address of Applicant: 17 1 Konan Minato ku Tokyo 1080075 (33) Name of priority country :Japan (86) International Application No :PCT/JP2011/070114 (72)Name of Inventor: Filing Date :05/09/2011 1)MARUTANI Kentaro (87) International Publication No :WO 2012/039271 2)OZAWA Atsushi (61) Patent of Addition to Application 3)HOTTA Shin :NA Number 4) UESAKA Shinichi :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

Provided i s a battery pack that can prevent production o f modified battery packs b y a simple structure and constitution. The battery pack i s provided with a plurality of secondary batteries (20), a housing (30) that houses the plurality of secondary batteries, and an inspection cir cuit (70) housed i n the housing (30). The housing (30) i s formed from a main unit part (40) and a closing member (50) for closing an opening part (44) for removing and inserting the plurality o f secondary batteries (20) into the main unit part (40). A plurality o f securing members that are fabri cated from a conductive material are provided for securing the closing member (50) t o the main unit part (40). The attachment state o f the secur ing members for the closing member (50) and the main unit part (40) i s monitored by an inspection circuit (70). Furthermore, the attachment order o f the securing members for the closing member (50) and the main unit part (40) i s stored b y the inspection circuit.

No. of Pages: 25 No. of Claims: 11

(21) Application No.2386/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: METHOD FOR PREPARING 2 AMINO N (2 2 2 TRIFLUOROETHYL) ACETAMIDE

(51) International :C07C231/12,C07C231/14,C07C237/06 classification (31) Priority Document :61/386673 (32) Priority Date :27/09/2010 (33) Name of priority :U.S.A. country (86) International :PCT/US2011/052938 Application No

:23/09/2011 Filing Date

(87) International :WO 2012/047543 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)E.I. DU PONT DE NEMOURS AND COMPANY

Address of Applicant: 1007 Market Street Wilmington DE

19898 U.S.A.

(72)Name of Inventor:

1)BRUENING Joerg

#### (57) Abstract:

Disclosed are methods for preparing compounds of Formula 1 and 1A. The first method utilizes a benzyl carbamate amine protecting group and an intermediate of Formula 4. The second method utilizes a tert butyl carbamate amine protecting group and an intermediate of Formula 7. The third method utilizes a dibenzyl amine protecting group. Also disclosed is a compound phenylmethyl N [2 oxo 2 [(2 2 2 trifluoroethyl)amino]ethyl]carbamate (a compound of Formula 4). Further disclosed is a method for preparing a compound of Formula 14 from a compound of Formula 15 and a compound of Formula 1 or 1A.

No. of Pages: 41 No. of Claims: 22

(21) Application No.2387/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: RUSH CURRENT LIMITING 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> </ul>	:H01H33/59,H01H9/56 :2010212624 :22/09/2010 :Japan :PCT/JP2011/071328 :20/09/2011 :WO 2012/039373 :NA :NA	(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)KOSHIZUKA Tadashi 2)MARUYAMA Shiro 3)MAEHARA Hiroyuki 4)SATO Yoshimasa
Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Provided i s a circuit breaker control appa ratus (1) for limiting the rush-current that occurs when a phase-adjustment device (3) i s connected to a power source bus (6) b y a three-phase batch-operated circuit breaker (2). The power source voltage o f the power source bus (6) i s measured, the circuit breaker current flowing through the circuit breaker (2) i s measured, the polarity o f the residual voltage o f the phase-adjustment device (3) after the circuit breaker (2) i s opened i s determined on the basis of the measured circuit breaker current, the target connected phase range i s detected in which there i s a match between the determined polarity o f the residual voltage between the wires and the polarity o f the measured power source voltage between the wires, and the circuit breaker (2) i s connected within the target connected phase range.

No. of Pages: 47 No. of Claims: 12

(21) Application No.2388/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : FLEXING JOINT MECHANISM SURGICAL INSTRUMENT HAVING THIS FLEXING JOINT MECHANISM AND MANIPULATOR HAVING THIS FLEXING JOINT 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></ul>	n:B25J17/00,A61B19/00,B25J17/02 :2010222976 :30/09/2010	(71)Name of Applicant:  1)OLYMPUS CORPORATION  Address of Applicant: 43 2 Hatagaya 2 chome Shibuya ku Tokyo 1510072 Japan
(86) International Application No Filing Date	:PCT/JP2011/058107 :30/03/2011	(72)Name of Inventor : 1)KISHI Kosuke 2)HYODO Ryoji
(87) International Publication No	:WO 2012/042949	
<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 bending joint mechanism includes a joint section (3, 194). The joint section (3, 194) includes a shaft section (2, 192), an actuating section (6, 196), a 5 coupling member (7, 206) and a rod section (13, 205). The rod section (13, 205) has an elastic portion (16, 205) which is elastically deformable in directions other than the axial direction of the shaft section (2, 192).

No. of Pages: 85 No. of Claims: 13

(21) Application No.2389/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: VITAMIN E FORMULATIONS OF SULFAMIDE NS3 INHIBITORS

(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	:A61K31/355,A61K31/403,A61K45/06 :61/391479 :08/10/2010 :U.S.A. :PCT/US2011/055389 :07/10/2011 :WO 2012/048235 :NA :NA	(71)Name of Applicant:  1)NOVARTIS AG  Address of Applicant: Lichtstrasse 35 CH 4056 Basel Switzerland (72)Name of Inventor:  1)GARAD Sudhakar Devidasrao 2)GHOSH Anasuya Ashok 3)LAKSHMAN Jay Parthiban 4)SHAH Lipa 5)VIPPAGUNTA Radha
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

## (57) Abstract:

The invention relates to new formulations of compounds having activity against HCV associated disorders new combinations new methods of treatment and their use in therapy.

No. of Pages: 176 No. of Claims: 39

(19) INDIA

(43) Publication Date : 31/10/2014

(22) Date of filing of Application :12/03/2013

(54) Title of the invention: EXHAUST GAS SYSTEM

(51) International classification :F01N13/18,F01N3/023

(31) Priority Document No :10 2010 047 275.1

(32) Priority Date :01/10/2010

(33) Name of priority country :Germany

(86) International Application No :PCT/EP2011/067142

Filing Date :30/09/2011 (87) International Publication No :WO 2012/042031

(61) Patent of Addition to Application :NA

hber :NA
Filing Date :NA

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

:F01N13/18,F01N3/023 (71)Name of Applicant :

1)EMITEC GESELLSCHAFT FR EMISSIONSTECHNOLOGIE MBH

(21) Application No.2235/DELNP/2013 A

Address of Applicant : Hauptstrae 128 53797 Lohmar

Germany

(72)Name of Inventor: 1)MAUS Wolfgang

2)BRCK Rolf

3)MLLER HAAS Klaus

#### (57) Abstract:

The invention relates to an exhaust gas system (1), comprising at least one exhaust gas treatment component (2), at least one exhaust gas line (3), at least one connecting device (4) for connecting the exhaust gas system (1) to an internal combustion engine (5) of a motor vehicle (6), and at least one fastening element (7) for additionally fastening the exhaust gas system (1) to the motor vehicle (6). At least one exhaust gas treatment component (2) can be caused to oscillate at a first resonance frequency range of less than 150 Hz in a fastened state. The at least one exhaust gas treatment component (2) can be caused to oscillate by means of vibrations of the internal combustion engine (5) at least when the internal combustion engine (5) is started or switched off. The present invention in particular allows ash residues to be removed from an exhaust gas treatment component (2) during the starting of the motor vehicle (6), whereby the maintenance expense for such an exhaust gas treatment component is reduced and effective operation of the exhaust gas treatment component (2) is possible in the long term.

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

(21) Application No.2392/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: GASIFICATION REACTOR AND PROCESS

(51) International classification (31) Priority Document No	:C10J3/52,C10J3/76,C10J3/84 :10178625.9	(71)Name of Applicant: 1)SHELL INTERNATIONALE RESEARCH
(32) Priority Date		MAATSCHAPPIJ B.V.
(33) Name of priority country	:EPO	Address of Applicant :Carel van Bylandtlaan 30 NL 2596 HR
(86) International Application No	:PCT/EP2011/066527	The Hague Netherlands
Filing Date	:22/09/2011	(72)Name of Inventor:
(87) International Publication No	:WO 2012/038510	1)VON KOSSAK GLOWCZEWSKI Thomas Paul
(61) Patent of Addition to	:NA	2)PAPENDICK Joachim
Application Number	:NA	3)THUL Hans Christian
Filing Date	.NA	
(62) Divisional to Application	:NA	
Number		
Filing Date	:NA	

#### (57) Abstract:

A gasification process and reactor (1) for the production of syngas by gasification of a carbonaceous feed. The gasification reactor comprises a pressure vessel (3) encasing a gasifier unit (2) with a reactor chamber (2A) having its lower end opening into an open ended skirt portion (2B) arranged above a slag collection bath (7). The skirt portion (2B) is arranged within the impacting scope of one or more rappers (15).

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

(21) Application No.2393/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: A SYSTEM AND METHOD FOR COPYING 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> </ul>	:G06F17/30 :1014986.2 :09/09/2010 :U.K. :PCT/GB2011/001320 :09/09/2011 :WO 2012/032299	(71)Name of Applicant:  1)STANDARD LIFE EMPLOYEE SERVICES LIMITED Address of Applicant: 30 Lothian Road Edinburgh EH2 2DH U.K. (72)Name of Inventor: 1)NORTH Andrew Russell 2)ENGLISH Derek
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:NA :NA :NA	3)MESSENGER Barry Malcolm 4)ROBERTSON Gerard
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a system and method for copying data between environments in an information management system such as the copying of business data between production and test environments in a database system. The system has a relations database with a set of relations created outside the runtime environment which are derived from a first database and which provide a link between database tables in the first database. The system also has a service generator which extracts and copies database tables at runtime to form a predetermined service or product. When the service generator receives a request to copy a product or service this is done only if the data in the database tables comprising the product or service is the subject of one or more relation in the relations database.

No. of Pages: 28 No. of Claims: 32

(21) Application No.2394/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: FUSED TRICYCLIC ETHER CARBAMATES AND THEIR USE

(51) International classification	· ·	(71)Name of Applicant:
(31) Priority Document No	:61/379414	1)PURDUE RESEARCH FOUNDATION
(32) Priority Date	:02/09/2010	Address of Applicant :1281 Win Hentschel Blvd. West
(33) Name of priority country	:U.S.A.	Lafayette IN 47906 4182 U.S.A.
(86) International Application No	:PCT/US2011/050393	2)NATIONAL UNIVERSITY CORPORATION
Filing Date	:02/09/2011	KUMAMOTO UNIVERSITY
(87) International Publication No	:WO 2012/031237	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)GHOSH Arun K.
Number		2)XU Chun Xiao
Filing Date	:NA	3)MITSUYA Hiroaki
(62) Divisional to Application Number	:NA	4)PARHAM Garth
Filing Date	:NA	

## (57) Abstract:

Tricylic ether carbamates that inhibit HIV proteolytic enzymes and processes for preparing the compounds are describes. Methods of using the disclosed compounds for treating patients infected with HIV are also described.

No. of Pages: 40 No. of Claims: 31

(21) Application No.2395/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/03/2013

(43) Publication Date: 31/10/2014

(54) Title of the invention: BVDV VACCINE

(51) International

:A61K39/295,C07K14/18,A61K39/12

:PCT/EP2011/066377

:21/09/2011

classification

(31) Priority Document No :10177931.2 (32) Priority Date :21/09/2010

(33) Name of priority

:EPO

:NA

country

(86) International

Application No

Filing Date

(87) International

:WO 2012/038454 Publication No

(61) Patent of Addition to

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

(62) Divisional to **Application Number** 

:NA Filing Date

(71)Name of Applicant:

1)INTERVET INTERNATIONAL B.V.

Address of Applicant: Wim de Krverstraat 35 NL 5831 AN

Boxmeer Netherlands (72)Name of Inventor:

1)BEER Martin 2)REIMANN Ilona

3)KOENIG Patricia

## (57) Abstract:

The present invention relates to BVD virus and to its uses to vaccines and combination vaccines comprising such a virus their use as a medicament their use in the treatment of Bovine Viral Diarrhoea and to methods for the preparation of such vaccines.

No. of Pages: 52 No. of Claims: 19

(21) Application No.2228/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: INHIBITORS OF NOTUM PECTINACETYLESTERASE AND METHODS OF THEIR USE

(51) International classification	:C07D495/04	(71)Name of Applicant :
(31) Priority Document No	:61/382526	1)LEXICON PHARMACEUTICALS INC.
(32) Priority Date	:14/09/2010	Address of Applicant :8800 Technology Forest Place The
(33) Name of priority country	:U.S.A.	Woodlands TX 77381 U.S.A.
(86) International Application No	:PCT/US2011/051421	(72)Name of Inventor:
Filing Date	:13/09/2011	1)BARBOSA Joseph
(87) International Publication No	:WO 2012/037141	2)CARSON Kenneth Gordon
(61) Patent of Addition to Application	:NA	3)GARDYAN Michael Walter
Number	:NA	4)HE Wei
Filing Date	.NA	5)LOMBARDO Victoria
(62) Divisional to Application Number	:NA	6)PABBA Praveen
Filing Date	:NA	7)TARVER James Jr.

#### (57) Abstract:

Compounds are disclosed for the treatment management and prevention of diseases and disorders affecting the bone. Particular compounds are potent inhibitors of Notum Pectinacetylesterase and are of the formula: wherein E G Y Z R1 R2 and R3 are defined herein.

No. of Pages: 58 No. of Claims: 15

(22) Date of filing of Application: 18/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: METHOD FOR DIFFERENTIATING BACKGROUND AND FOREGROUND OF A SETTING AND METHOD FOR REPLACING A BACKGROUND IN IMAGES OF A SETTING

:H04N5/272,H04N9/75 (71)Name of Applicant : (51) International classification (31) Priority Document No :10 2010 046 025.7 (32) Priority Date :20/09/2010 (33) Name of priority country :Germany (86) International Application No :PCT/EP2011/004114

Filing Date :16/08/2011 (87) International Publication No :WO 2012/038009

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

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

(21) Application No.2398/DELNP/2013 A

1)FRAUNHOFER GESELLSCHAFT ZUR F-RDERUNG DERANGEWANDTEN FORSCHUNG E.V.

Address of Applicant : Hansastrae 27c 80686 M<sup>1</sup>/<sub>4</sub>nchen

Germany

(72)Name of Inventor: 1)VONOLFEN Wolfgang

2)WOLLSIEFEN Rainer

#### (57) Abstract:

(19) INDIA

The present invention relates to a method for differentiating between background and foreground in images or films of scenery recorded by an electronic camera. The invention relates in addition to a method for replacing the background in recorded images or films of scenery whilst maintaining the foreground.

No. of Pages: 43 No. of Claims: 29

(21) Application No.2399/DELNP/2013 A

5)DE JONG Ren Marcel

(19) INDIA

(22) Date of filing of Application: 18/03/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: POLYPEPTIDES WITH PERMEASE ACTIVITY

:C12N9/12,C12N1/18,C12P7/08 (71)Name of Applicant: (51) International classification (31) Priority Document No 1)DSM IP ASSETS B.V. :10075710.3 (32) Priority Date Address of Applicant :Het Overloon 1 NL 6411 TE Heerlen :13/10/2010 (33) Name of priority country :EPO Netherlands (86) International Application No: PCT/EP2011/067726 (72)Name of Inventor: 1)WISSELINK Hendrik Wouter Filing Date :11/10/2011 (87) International Publication No: WO 2012/049173 2)VAN MARIS Antonius Jeroen Adriaan 3)PRONK Jacobus Thomas (61) Patent of Addition to :NA 4)KLAASSEN Paul

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

Number :NA Filing Date

:NA

## (57) Abstract:

The invention relates to a polypeptide having a mutation at one or more position corresponding to T219 of SEQ ID NO: 55 wherein the polypeptide has at least 50% sequence identity with SEQ ID NO: 55 and wherein the polypeptide has permease activity.

No. of Pages: 146 No. of Claims: 14

(21) Application No.2400/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/03/2013 (43) Publication Date: 31/10/2014

#### (54) Title of the invention: FOIL GUIDING SYSTEM FOR ADDITIVE FABRICATION

(51) International :B29C67/00,B65H23/00,F16C13/00 classification

(31) Priority Document No :10189599.3 (32) Priority Date :01/11/2010

(33) Name of priority country: EPO

(86) International Application :PCT/NL2011/050734

:31/10/2011 Filing Date

(87) International Publication: WO 2012/060696

No

(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)DSM IP ASSETS B.V.

Address of Applicant: Het Overloon 1 NL 6411 TE Heerlen

Netherlands

(72)Name of Inventor:

1)JAMAR Jacobus Hubertus Theodoor 2)MAALDERINK Herman Hendrikus 3)SMELTINK Jeroen Anthonius

4)VAN LENT Maarten

#### (57) Abstract:

An additive fabrication apparatus with an efficient reversal mechanism to reverse the orientation of foil guiding rollers is contemplated. To this end according to an aspect a foil guiding system comprising: a flexible foil guiding roller; and a bearing system arranged to bear said guiding roller said bearing system comprised of end locking elements axially locking to the roller; a bearing arrangement defining a bearing position having the roller curved in bearing engagement. The bearing arrangement engages with an outer face of said roller in a manner so as to thereby flex the roller between at least two bearing positions in conformity with a rolling direction. The flexible roller in connection with the outside bearings replaces a fixed shaft arrangement of the prior art which is easily tunable to the foil movement direction.

No. of Pages: 30 No. of Claims: 25

(21) Application No.2403/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention : 7 HYDROXY PYRAZOLO[1 5 A] PYRIMIDINE COMPOUNDS AND THEIR USE AS CCR2 RECEPTOR ANTAGONISTS

(51) International classification :C07D487/04,A61K31/519,A61P29/00

(31) Priority Document No:1016221.2

(32) Priority Date :27/09/2010

(33) Name of priority :U.K.

country

(86) International Application No :PCT/EP2011/066697

Filing Date :26/09/2011

(87) International :WO 2012/041817

Publication No (61) Patent of Addition to

Application Number
Filing Date
(62) Divisional to
Application Number

NA
:NA
:NA
:NA
:NA

(71)Name of Applicant: 1)PROXIMAGEN LTD

Address of Applicant :91 93 Farringdon Road 3rd Floor

London Greater London EC1M 3LN U.K.

(72)Name of Inventor: 1)BOYD Joe William

2)MEO Paul

3)HIGGINBOTTOM Michael

4)SIMPSON Iain

5)MOUNTFORD David

6)SAVORY Edward Daniel

Filing Date

The compounds of formula (I) are antagonists of the CCR2 receptor Wherein R and A are as defined in the claims.

No. of Pages: 102 No. of Claims: 25

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

(21) Application No.2407/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention : SAND CONTROL SCREEN ASSEMBLY HAVING A MECHANICALLY ATTACHED SCREEN JACKET

(51) International classification :E21B43/08,E21B43/1
(31) Priority Document No :12/888607
(32) Priority Date :23/09/2010
(33) Name of priority country :U.S.A.
(86) International Application No Filing Date :27/08/2011

(87) International Publication No :WO 2012/039892

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

:E21B43/08,E21B43/10 (71)**Name of Applicant :** 

1)HALLIBURTON ENERGY SERVICES INC.

Address of Applicant :2601 Beltline Road Carrollton TX

75006 U.S.A.

(72)Name of Inventor:

1)GRECI Stephen Michael 2)HOLDERMAN Luke William

3)LOPEZ Jean Marc

#### (57) Abstract:

A sand control screen assembly (100) for use in a subterranean well. The sand control screen assembly (100) includes a base pipe (102) having an outer surface and at least one opening (104). A screen jacket (106) is disposed around the base pipe (102). The screen jacket (106) has a filter medium (112) and an outer shroud (114). The outer shroud (114) has first and second ends (124 126) with inner and outer surfaces. Connector rings (120 122) form mechanical interfaces between the base pipe (102) and the first and second ends (124 126) respectively of the outer shroud (114). Each of the connector rings (120 122) is operable to mechanically induce permanent deformation in the outer surface of the base pipe (102) and at least one of the inner surface and the outer surface of the outer shroud (114) thereby connecting the screen jacket (106) to the base pipe (102).

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

(19) INDIA

(22) Date of filing of Application: 19/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: METHOD AND DEVICE FOR ENCODING IMAGES METHOD AND DEVICE FOR DECODING IMAGES AND PROGRAMS THEREFOR

(51) International classification :H04N7/32,H04N13/02 (71)Name of Applicant : (31) Priority Document No :2010218037 (32) Priority Date :29/09/2010 (33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/071315 Filing Date :20/09/2011

(87) International Publication No :WO 2012/043294 (61) Patent of Addition to Application

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

1)NIPPON TELEGRAPH AND TELEPHONE

(21) Application No.2408/DELNP/2013 A

CORPORATION

Address of Applicant: 3 1 Otemachi 2 chome Chiyoda ku

Tokvo 1008116 Japan (72)Name of Inventor:

1)SHIMIZU Shinva

2)MATSUURA Norihiko

#### (57) Abstract:

When an image is prediction-encoded while the entire image is divided and image signals are predicted using different methods for each region, the number of photographic subjects and the representative pixel value for each photographic subject are predicted, using the decoded pixel values for a previously processed region at the periphery of the region being processed and using the spatial continuity where the photographic subject exists. Thus, it is possible to reduce the amount of encoding required for the number of photographic subjects within the region being processed and the pixel value representing each photographic subject within the region being processed, which are required when performing a high-precision image signal prediction that is compatible with any photograpme subject shape and that uses a pixel value representing each photographic subject within the region being processed ana information for the purpose of identifying the photographic subject of each pixel within the region being processed, and it is possible to perform efficient image encoding. Furthermore, by using the de coded pixel values for pixels in a previously processed pe ripheral region, said values being the same information for the encoding side and the decoding side, it is possible to perform a suitable prediction even when the encoding i s performed by selecting on a region-by-region basis one of multiple image signal prediction modes, as in H.264.

No. of Pages: 105 No. of Claims: 28

(21) Application No.2409/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention : METHOD FOR INCREASING THE MOLECULAR WEIGHT USING THE RESIDUAL HEAT OF POLYESTER GRANULATE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B29B9/16,C08G63/88 :10011282.0 :28/09/2010 :EPO :PCT/EP2011/000798 :18/02/2011 :WO 2012/041406 :NA :NA	(71)Name of Applicant:  1)UHDE INVENTA FISCHER GMBH Address of Applicant: Holzhauser Str. 157 159 13509 Berlin Germany (72)Name of Inventor: 1)HANIMANN Kurt 2)SCHALLER Rainer 3)SCHULZ VAN ENDERT Eike
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to increasing the molecular weight during a thermal treatment of polyester in combination with a latent heat granulation. With the newly-developed method, an SSP (Solid State Postcondensation) can be directly combined with an underwater granulation. The method differs from a conventional solid state postcondensation by an increase in the molecular weight being possible without additional heat input and hence only by using the residual heat and the crystallisation heat present. A characterising element is improved water separation and dehumidification during the granulation. Only in this way is an increase in viscosity possible even with a small granulate of an average particle weight less than 20 mg.

No. of Pages: 33 No. of Claims: 13

(21) Application No.2410/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention : STEEL FOR SURFACE HARDENING FOR MACHINE STRUCTURAL USE AND STEEL COMPONENT FOR MACHINE STRUCTURAL USE AND PROCESS 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</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> </ul>	:C22C38/00,C21D1/06,C21D9/32 :2010241169 :27/10/2010 :Japan :PCT/JP2011/068011 :02/08/2011 :WO 2012/056785	(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)YOSHIDA Suguru
Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A steel for surface hardening for machine structural use which is characterized by containing, in terms of 5 mass%, 0.30-0.60% C, 0.02-2.0% Si, 0.35-1.5% Mn, 0.001-0.5% Al, 0.05-2.0% Cr, 0.001-1.0% Sn, 0.0001-0.021% S, 0.0030-0.0055% N, 0.01-2.0% Ni, 0.01-2.0% Cu, up to 0.030% P, and up to 0.005% 0, with the remainder comprising Fe and incidental impurities, the contents of 10 Sn, Cu, Ni, Mn, and S satisfying relationships (1) and (2) . -0.19<0.12xSn+Cu-0.12xNi<0.15 (1) 60<Mn/S<0.30 (2)

No. of Pages: 61 No. of Claims: 9

(21) Application No.2411/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :19/03/2013

(43) Publication Date: 31/10/2014

## (54) Title of the invention: BORONIZED LAYING PIPE

(51) International classification	:B21C47/14,C23C8/70	(71)Name of Applicant :
(31) Priority Document No	:12/897083	1)SIEMENS INDUSTRY INC.
(32) Priority Date	:04/10/2010	Address of Applicant :3333 Old Milton Parkway Alpharetta
(33) Name of priority country	:U.S.A.	Georgia 30005 4437 U.S.A.
(86) International Application No	:PCT/US2011/050314	(72)Name of Inventor:
Filing Date	:02/09/2011	1)FIORUCCI Keith
(87) International Publication No	:WO 2012/047429	2)LASHUA Christopher
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A laying pipe (28) for use in the laying head of a rolling mill is configured for rotation about an axis with an entry end aligned on that axis to receive a hot rolled product (P) and with a curved section leading to a delivery end spaced radially from that axis. The curved section defines a guide path configured to form the hot rolled product (P) into a helical formation of rings. The laying pipe (28) comprises a tubular metal wall (34) having an exterior surface and an interior surface against which the hot rolled product (P) is confined for movement along the guide path. At least one of the interior and exterior surfaces of the tubular metal wall (34) comprises a wear resistant boronized layer (36).

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

(21) Application No.2315/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 14/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: AQUEOUS COATING COMPOSITION AND CORROSION PREVENTION METHOD USING SAID AQUEOUS COATING COMPOSITION

(51) International

:C09D183/04,B05D5/00,B05D7/24 classification

(31) Priority Document No :2010205319 (32) Priority Date :14/09/2010

(33) Name of priority country: Japan

(86) International Application :PCT/JP2011/071015

No :14/09/2011 Filing Date

(87) International Publication :WO 2012/036210

(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)CHUGOKU MARINE PAINTS LTD.

Address of Applicant: 17 Meijishinkai Otake shi Hiroshima

7390652 Japan

(72)Name of Inventor: 1)OKADA Masamitsu

2)ENDO Isao

### (57) Abstract:

To provide aqueous coating composition which, while using water as a diluting solvent, can form a coating film having well-balanced 5 excellent drying properties, curability and coating film properties (coating film strength) nearly equal to those of a coating film formed from a conventional solvent-based coating composition using an organic solvent as a diluent. [Solution] 10 Aqueous coating composition including a binder (A) including a hydrolysis condensate obtained by subjecting a specific silane compound (al) to hydrolysis reaction and condensation reaction under the pH conditions of 0.4 to 8.0, and water (B).

No. of Pages: 162 No. of Claims: 22

(19) INDIA

(22) Date of filing of Application: 19/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention : HYDROCRACKING PROCESS SELECTIVE FOR IMPROVED DISTILLATE AND IMPROVED LUBE YIELD AND PROPERTIES

(51) International classification	:C10G71/00	(71)Name of Applicant:
(31) Priority Document No	:61/388327	1)EXXONMOBIL RESEARCH AND ENGINEERING
(32) Priority Date	:30/09/2010	COMPANY
(33) Name of priority country	:U.S.A.	Address of Applicant :1545 Route 22 East P.O. Box 900
(86) International Application No	:PCT/US2011/052470	Annandale NJ 08801 0900 U.S.A.
Filing Date	:21/09/2011	(72)Name of Inventor:
(87) International Publication No	:WO 2012/050765	1)NOVAK William J.
(61) Patent of Addition to Application	:NA	2)BRADWAY Robert Allen
Number		3)SHIH Stuart S.
Filing Date	:NA	4)HILBERT Timothy Lee
(62) Divisional to Application Number	:NA	5)DAAGE Michel A.
Filing Date	:NA	
(55) 11		•

#### (57) Abstract:

This invention relates to a process involving hydrocracking of a feedstream in which a converted fraction can exhibit relatively high distillate product yields and maintained or improved distillate fuel properties while an unconverted fraction can exhibit improved properties particularly useful in the lubricant area. In this hydrocracking process it can be advantageous for the yield of converted/unconverted product for gasoline fuel application to be reduced or minimized relative to converted distillate fuel and unconverted lubricant Catalysts and conditions can be chosen to assist in attaining or to optimize desirable product yields and/or properties.

No. of Pages: 36 No. of Claims: 18

(21) Application No.2414/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention : BIOABSORBABLE POLYMERIC COMPOSITIONS PROCESSING METHODS AND MEDICAL DEVICES THEREFROM

(51) International classification :C08L67/04,A61B17/064,A61L31/04

(31) Priority Document No :12/887995

(32) Priority Date :22/09/2010

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

(86) International :PCT/US2011/052536

Application No
Filing Date :10/03/2011

(87) International Publication No :WO 2012/040316

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

Filing Date

(62) Divisional to
Application Number
Filing Date

:NA
:NA
:NA

(71)Name of Applicant: 1)ETHICON INC.

Address of Applicant :U.S. Route 22 Somerville NJ 08876

U.S.A.

(72)Name of Inventor : 1)KELLY Brian M.

2)JAMIOLKOWSKI Dennis D.

3)DEFELICE Christopher

### (57) Abstract:

Novel bioabsorbable polymeric blends are disclosed. The blends have a first component that is a polylactide polymers or a copolymer of lactide and glycolide and a second component that is poly(p-dioxanone) polymer. The novel polymeric blends provide medical devices having dimensional stability. Also disclosed are novel bioabsorbable medical devices made from these novel polymer blends as well as novel methods of manufacture.

No. of Pages: 79 No. of Claims: 114

(21) Application No.2415/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: TRANSMISSION CIRCUIT RECEPTION CIRCUIT TRANSMISSION METHOD RECEPTION METHOD COMMUNICATION SYSTEM AND COMMUNICATION METHOD THEREFOR

(51) International classification :H04L25/49,H04L7/00,H04L7/08 (71) Name of Applicant: (31) Priority Document No 1)PANASONIC CORPORATION :2010229356 (32) Priority Date Address of Applicant: 1006 Oaza Kadoma Kadoma shi Osaka :12/10/2010 (33) Name of priority country 5718501 Japan :Japan (86) International Application (72)Name of Inventor: :PCT/JP2011/005553 1)NISHIOKA Shinichiro :30/09/2011 Filing Date (87) International Publication :WO 2012/049815 No (61) Patent of Addition to :NA **Application Number** :NA

(57) Abstract:

Number

Filing Date

Filing Date

(62) Divisional to Application

:NA

:NA

To reduce the coding loss in transmission of valid data while establishing early symbol synchronization between a transmission side and a reception side in transmission of channel-coded serial data. A transmission circuit selects first channel coding (for example, 8B/10B) capable of early establishment in an idle period during which valid data is not transmitted, and transmits symbols for synchronization that have been coded by the first channel coding. A reception circuit receives the symbols to establish the symbol synchronization, and maintains the symbols. In transmission of valid data, the transmission circuit transmits symbols indicating a packet starting position, selects second channel coding (for example, 64B/66B) having less coding loss than the first channel coding, and transmits the valid data that has been coded by the second channel coding. Upon receiving the symbols indicating the packet starting position, the reception circuit receives the valid data by switching to the reception using the second channel coding method.

No. of Pages: 99 No. of Claims: 27

(21) Application No.2416/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/03/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: APPARATUS AND METHOD FOR WORKING AN OPTICAL LENS

(51) International :B24B13/06,B24B13/00,B24B13/005 classification

(31) Priority Document No :10013265.3 (32) Priority Date :04/10/2010

(33) Name of priority :EPO country

(86) International

:PCT/EP2011/004866 Application No

:29/09/2011 Filing Date

(87) International

:WO 2012/045410 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:

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Address of Applicant :Biegenstrasse 8 12 35112 Fronhausen

Germany

(72)Name of Inventor: 1)SCHNEIDER Gunter

#### (57) Abstract:

An apparatus and a method for processing an optical lens are proposed, whereby the desired optical data of the lens can be input into the device and lens-production data and/or geometric data of the lens are determined therefrom to control the processing of a surface side of the lens.

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

(21) Application No.2378/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: PRODUCTION OF ACETATES FROM ACETIC ACID AND ALCOHOLS

(51) International classification	:C07C67/08,C07C69/14	(71)Name of Applicant:
(31) Priority Document No	:61/401888	1)ENERKEM INC.
(32) Priority Date	:20/08/2010	Address of Applicant :1010 Sherbrooke Ouest Bureau 1610
(33) Name of priority country	:U.S.A.	Montral Qubec H3A 2R7 Canada
(86) International Application No	:PCT/CA2011/000900	(72)Name of Inventor:
Filing Date	:04/08/2011	1)LEMIEUX PERINET Alexis
(87) International Publication No	:WO 2012/021965	2)LAVOIE Jean Michel
(61) Patent of Addition to Application	:NA	3)CHORNET Esteban
Number	:NA	
Filing Date	.11/14	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A process for producing at least one acetate from acetic acid and at least one alcohol by employing multiple cycles of reacting acetic acid to produce a reaction product including at least one acetate unreacted acetic acid unreacted alcohol and water followed by drying the reaction product to remove water therefrom. Such process provides for improved yields of acetate.

No. of Pages: 31 No. of Claims: 33

(21) Application No.2379/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: PRODUCTION OF ISOPRENE FROM ISO BUTANOL

(51) International classification :C07C1/24,C07C11/18 (71)Name of Applicant : (31) Priority Document No 1)TOTAL RESEARCH & TECHNOLOGY FELUY :10179213.3 (32) Priority Date Address of Applicant : Zone Industrielle C B 7181 Seneffe :24/09/2010 (33) Name of priority country :EPO Belgium (86) International Application No (72)Name of Inventor: :PCT/EP2011/065350 1)VERMEIREN Walter Filing Date :06/09/2011 (87) International Publication No :WO 2012/038247 2)GONZALEZ Jose Castor (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The present invention is a process to make isoprene comprising: a)providing a reaction zone comprising an acidic aqueous solution b)introducing continuously or intermittently in said reaction zone a mixture comprising (i) isobutanol and optionally (ii) t butanol or an iso butene precursor which is not isobutanol and not t butanolor iso buteneor any combination of two or three of these (ii) components an aqueous solution of formaldehyde c)operating said reaction zone at conditions effective to dehydrate isobutanol and optionally (ii) t butanol and optionally the iso butene precursor to iso butene and produce isoprene by reaction of formaldehyde and iso butene while distilling away a mixture comprising produced isoprene water unreacted starting materials and other low boiling point components from this reaction zone to the outside of the reaction zone. In another embodiment isobutanol provides 10% or more of the iso butenefor the isoprene synthesis. In another embodiment isobutanol provides 30% or more of the iso butene for the isoprene synthesis. In another embodiment isobutanol provides 40% or more of the iso butene for the isoprene synthesis. In another embodiment isobutanol provides 50% to 100% of the iso butene for the isoprene synthesis.

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

(21) Application No.2420/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention : APPARATUS AND METHOD FOR WORKING AN OPTICAL LENS AND ALSO AN OPTICAL LENS AND A TRANSPORTING CONTAINER FOR OPTICAL LENSES

(31) Priority Document No (32) Priority Date	n:B24B13/06,B24B13/00,B24B1/00 :10 013 265.3 :04/10/2010	1)SCHNEIDER GMBH & CO. KG Address of Applicant :Biegenstrasse 8 12 35112 Fronhausen
<ul><li>(33) Name of priority country</li><li>(86) International Application</li><li>No</li><li>Filing Date</li></ul>	:PCT/EP2011/004867 :29/09/2011	Germany (72)Name of Inventor: 1)SCHNEIDER Gunter
(87) International Publication No	:WO 2012/045411	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An apparatus (1) and a method for working an optical lens (2) are proposed, wherein desired optical data (OD) of the lens (2) are used to determine lens production data (FD) and/or geometrical data (GD) of the lens (2) when a corresponding enabling code (FC) is picked up. Preferably the lens (2) or a block piece (2A) and/or an assigned transporting Container (13) is/are provided with the enabling code (FC) and/or other information with respect to the lenses (2) to be worked.

No. of Pages: 46 No. of Claims: 50

(21) Application No.2421/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/03/2013 (43) Publication Date: 31/10/2014

#### (54) Title of the invention: REUSABLE DENTAL IMPRESSION TRAY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A61C9/00 :588307 :29/09/2010 :New Zealand :PCT/US2011/054089 :29/09/2011 :WO 2012/047731 :NA :NA	(71)Name of Applicant:  1)TRIODENT HOLDINGS LIMITED  Address of Applicant: 4b Sheffield Street Katikati 3129 New Zealand  2)TRIODENT CORPORATION  (72)Name of Inventor:  1)MCDONALD Simon P.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A reusable dental impression tray having a reusable rigid tray holder with opposing sidewalls spaced apart substantially a first distance the opposing sidewalls extend longitudinally in a curved manner a connector located at a distal end of the tray holder couples the sidewalls together the sidewalls and connector define an inward facing surface a channel formed in and extends along the inward facing surface and a handle located at a mesial end of the tray holder and a disposable mesh bite tray having a generally U shaped frame having an open end and a closed end the U shaped frame is made of a flexible material wherein the U shaped frame has a generally static shape having a width at the closed end substantially similar to the first distance and a width at the open end which is greater than the first distance and wherein with the U shaped frame received in the channel the open end of the U shaped frame is held in a compressed state with the open end having a compressed width substantially the same as the first distance.

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

(21) Application No.2366/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: FASTENERS SUPPORTED BY A FASTENER CARTRIDGE SUPPORT

(51) International

:A61B17/064,A61B17/072,A61B17/115

classification

(31) Priority Document :12/894345

(32) Priority Date :30/09/2010

(33) Name of priority

country

(86) International

:PCT/US2011/053981 Application No :29/09/2011

:U.S.A.

Filing Date (87) International

:WO 2012/044815 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)ETHICON ENDO SURGERY INC.

Address of Applicant: 4545 Creek Road Cincinnati OH 45242

U.S.A.

(72)Name of Inventor:

1)RIESTENBERG Paul F. 2)SHELTON IV Frederick E.

3)SWAYZE Jeffrey S.

4)MORGAN Jerome R.

### (57) Abstract:

A fastener cartridge can comprise a compressible collapsible and/or crushable cartridge body and fasteners embedded within the cartridge body which can be utilized to fasten tissue. In use the fastener cartridge can be positioned in a first jaw of a surgical fastening device wherein the first jaw can be positioned opposite a second jaw or anvil. The anvil can be engaged with the fastener cartridge to compress collapse and/or crush the cartridge body and deform or otherwise deploy the fasteners contained therein. As the fasteners are deformed or deployed the fasteners can capture at least a portion of the cartridge body therein along with at least a portion of the tissue being fastened. In various embodiments at least portions of the fasteners can extend outside of the cartridge body. The first jaw can comprise support features such as slots for example which can directly support such external portions of the fasteners.

No. of Pages: 317 No. of Claims: 16

(21) Application No.2367/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : SURGICAL STAPLING INSTRUMENT WITH COMPACT ARTICULATION CONTROL ARRANGEMENT

<ul> <li>(51) International classification</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)ETHICON ENDO SURGERY INC.  Address of Applicant: 4545 Creek Road Cincinnati OH 45242 U.S.A. (72)Name of Inventor:
Filing Date	:27/09/2011	1)MORGAN Jerome R.
(87) International Publication No (61) Patent of Addition to Application	:WO 2012/044632	2)SHELTON IV Frederick E.
Number	:NA :NA	
Filing Date		
(62) Divisional to Application Number Filing Date	:NA :NA	
Tilling Date	.INA	

#### (57) Abstract:

A surgical cutting and stapling instrument with an articulatable elongated shaft. The elongated shaft is operably coupled to a handle assembly and has an articulation joint therein. The distal end of the elongated shaft is couplable to and end effector that supports a staple cartridge therein. The end effector may be articulated relative to the elongated shaft by an articulation control system operably supported in the handle assembly.

No. of Pages: 320 No. of Claims: 20

(21) Application No.2368/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: MEASUREMENT DEVICE FOR LUNG FUNCTION MEASUREMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A61B5/087 :61/381456 :10/09/2010 :U.S.A. :PCT/EP2011/065728 :12/09/2011 :WO 2012/032183 :NA :NA :NA	(71)Name of Applicant:  1)CCM BEHEER B.V. Address of Applicant: De Pinckart 24 NL 5674 CC Nuenen Netherlands (72)Name of Inventor:  1)MARGES Roland Erwin John 2)VAN SCHAIK Sander Willem 3)RIEMENS Gerard Rudolf
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#### (57) Abstract:

The invention comprises a measurement device for lung function measurement comprising a flow tube forming an air flow path an actuator for closing and opening the flow tube and at least one sensor for measuring at least one lung function variable wherein the actuator is arranged to force the flow tube to close the air flow path by pressing the tube against a wall of the flow tube.

No. of Pages: 36 No. of Claims: 17

(21) Application No.2426/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: SOLE FOR SHOES HAVING ONE OR MORE VERTICAL ELEMENTS FOLDED OVER EACH OTHER EXTENSIBLE AND ADAPTABLE TO THE DIFFERENT WIDTH OF THE ASSEMBLY LAST OF THE UPPER AND TO THE VARIATION OF THE CONFORMATION OF THE FOOT EVEN PERMANENTLY

 $: A43B3/26, A43B13/18, A43B13/16 \bigg| \begin{tabular}{l} (71) \textbf{Name of Applicant:} \\ \hline \end{tabular}$ (51) International

classification

(31) Priority Document No :AN2010A000193 (32) Priority Date :04/11/2010

(33) Name of priority country: Italy

(86) International Application

:PCT/EP2011/002285 :09/05/2011

:NA

Filing Date

(87) International Publication :WO 2012/059142

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

Filing Date

(62) Divisional to Application :NA Number

Filing Date

1)AL.PI. S.R.L.

Address of Applicant: Via Enzo Ferrari 12 I 62012 Civitanova

Marche (MC) Italy (72)Name of Inventor: 1)BIANCUCCI Demetrio

2)BRASCA Alfredo

#### (57) Abstract:

The present invention regards the shoe industry and more specifically it concerns a sole provided in a single moulding made of non rigid but elastic material having one or more vertical elements folded over each other in such a manner that the horizontal extension thereof mechanically adapts the width of the sole to the different width of the assembly lasts of the upper of a shoe and also allowing adapting the width of the sole to the variation of the conformation of the feet generated by the daily swellings thereof leaving the normal flexibility and comfort of the shoe unaltered with the possibility for the user to stabilize the width of the sole to the possible deformation of the foot by injecting from outside into the widened internal cavity a foamed two component fluid material which upon solidification within a few minutes blocks any widened part of the sole to the conformation or to the deformation of the feet of the user.

No. of Pages: 26 No. of Claims: 13

(21) Application No.2428/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :19/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: IMPLANTABLE CELL DEVICE WITH SUPPORTIVE AND RADIAL DIFFUSIVE SCAFFOLDING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A61F2/02,C12N5/00 :PA 2010 70410 :27/09/2010 :Denmark :PCT/DK2011/050360 :27/09/2011 :WO 2012/041320 :NA :NA :NA	(71)Name of Applicant:  1)NSGENE A/S  Address of Applicant: Baltorpvej 154 DK 2750 Ballerup Denmark (72)Name of Inventor:  1)WAHLBERG Lars Ulrik 2)TORN E Jens
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#### (57) Abstract:

According to an embodiment of the invention an implantable cell device is disclosed. The device includes a membrane defining and enclosing a chamber; a distance means within the chamber for reducing diffusion distance for a biologically active factor to across the membrane; and a support means within the chamber for increasing cell support surface area per unit volume of the chamber for distributing cells.

No. of Pages: 44 No. of Claims: 57

(19) INDIA

(22) Date of filing of Application :15/03/2013 (43) Publication Date : 31/10/2014

(54) Title of the invention: SELF RELEASING PLUG FOR USE IN A SUBTERRANEAN WELL

(51) International classification:E21B23/06,E21(31) Priority Document No:12/881296(32) Priority Date:14/09/2010

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

(86) International Application No :PCT/US2011/050255 Filing Date :01/09/2011 (87) International Publication No :WO 2012/036917

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

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

:E21B23/06,E21B33/12 (71)Name of Applicant :

1)HALLIBURTON ENERGY SERVICES INC.

(21) Application No.2336/DELNP/2013 A

Address of Applicant :10200 Bellaire Boulevard Houston TX

77072 U.S.A.

(72)Name of Inventor:1)DYKSTRA Jason D.2)GANO John C.

#### (57) Abstract:

A flow control system for use in a subterranean well can include a flow chamber through which a fluid composition flows and a plug which is released in response to an increase in a ratio of undesired fluid to desired fluid in the fluid composition. Another flow control system can include a flow chamber through which a fluid composition flows a plug and a structure which supports the plug but which releases the plug in response to degrading of the structure by the fluid composition. Yet another flow control system can include a flow chamber through which a fluid composition flows and a plug which is released in response to an increase in a velocity of the fluid composition in the flow chamber.

No. of Pages: 42 No. of Claims: 33

(19) INDIA

(22) Date of filing of Application :15/03/2013

(21) Application No.2337/DELNP/2013 A

(43) Publication Date: 31/10/2014

## (54) Title of the invention: COOLING TOWER

(51) International classification	:F28C1/16,F28F25/00	(71)Name of Applicant:
(31) Priority Document No	:1001001401	1)BOONYASOPATH Boonkoom
(32) Priority Date	:30/08/2010	Address of Applicant :32 Phakam Road Huawaing Muang
(33) Name of priority country	:Thailand	Lampang 52100 Thailand
(86) International Application No	:PCT/TH2011/000034	(72)Name of Inventor:
Filing Date	:18/08/2011	1)BOONYASOPATH Boonkoom
(87) International Publication No	:WO 2012/030306	
(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 method and apparatus for the abatement of cooling tower plumes is provided. A cooling tower is disclosed comprising a plume abatement system which includes a burner that heats ambient air drawn from outside the cooling tower to produce heated air wherein the plume abatement system is arranged to deliver the heated air to mix with the air within the cooling tower. A method for use in abating plumes from cooling towers is disclosed comprising the steps of: burning fuel within a burner to heat ambient air drawn from outside the cooling tower thereby producing heated air; introducing the heated air into the cooling tower to mix with the air within the cooling tower thereby transferring the heat from the heated air to the air within the cooling tower.

No. of Pages: 20 No. of Claims: 32

(21) Application No.2338/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :15/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: DIRECT SMELTING PROCESS

:NA

:NA

(51) International classification: C22B5/10,C21B11/02,C21B13/00 (71)Name of Applicant: (31) Priority Document No :2010904166 1)TECHNOLOGICAL RESOURCES PTY. LIMITED (32) Priority Date :15/09/2010 Address of Applicant :120 Collins Street Melbourne Victoria (33) Name of priority country : Australia 3000 Australia (86) International Application (72)Name of Inventor: :PCT/AU2011/001194 1)DRY Rodney James No :15/09/2011 Filing Date 2)PILOTE Jacques (87) International Publication :WO 2012/034184 (61) Patent of Addition to :NA **Application Number** :NA

### (57) Abstract:

Number

Filing Date

Filing Date

(62) Divisional to Application

A molten bath based direct smelting process includes controlling the process conditions in a direct smelting vessel so that molten slag in a molten bath of metal and slag in the vessel has a viscosity in a range of 0.5 5 poise in an operating temperature range for the process.

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

(21) Application No.2430/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: FUEL TANK FOR 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 (51) International Classification Support Sup	(71)Name of Applicant: 1)NIPPON STEEL & SUMITOMO METAL CORPORATION Address of Applicant: 6 1 Marunouchi 2 chome Chiyoda ku 8 Tokyo 1008071 Japan (72)Name of Inventor: 1)YOSIDA Yuuichi 2)YAMAMOTO Shuji 3)SETO Atsushi
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### (57) Abstract:

A fuel tank for a vehicle is configured from a tank body in which an upper tank and a lower tank (120) are joined to each other to form a closed space in which fuel is housed and an auxiliary tank (130) which is affixed to a bottom surface part of the lower tank (120) by spot welding (150) a plurality of rows of spot welding (150) are set along the longitudinal direction of the lower tank (120) with a distance therebetween in the width direction of the auxiliary tank (130) at least one bead (142) located between the rows of spot welding (150) and extending continuously along the longitudinal direction of the lower tank (120) in the bottom surface part thereof is formed and the lower surface of the auxiliary tank (130) has no portion that is not in contact with the bottom surface part of the lower tank (120) except the bead (142).

No. of Pages: 72 No. of Claims: 9

(21) Application No.2431/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: REMOVABLE FRAME SYSTEMS FOR VEHICLE SHIPPING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <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>	:18/08/2011 :WO 2012/022941 :NA :NA :NA	(71)Name of Applicant:  1)CLIVE SMITH Martin Address of Applicant: Wootton Paddox Leek Wootton Warwickshire CV35 7QX U.K. (72)Name of Inventor: 1)CLIVE SMITH Martin
Filing Date	:NA :NA	

### (57) Abstract:

A frame system for supporting two wheels of an associated vehicle for transport within an existing transportable structure such as a standard ISO container which has longitudinally extending side structures 5 6. The frame system comprising a transverse wheel supporting frame 41 43 supported by two vertical posts 40 42 located one at each end of the wheel supporting frame. Each post is provided with attachment means 44 48a for securing the top and bottom of the post at a plurality of locations along the length of the associated side structure independent of the shape of the side structure. The wheel supporting frame 41 43 is raiseable with or without a vehicle loaded thereon and once raised is fixable 49 50 51 to the posts 40 42 at a chosen location for transport within the transportable structure. The attachment means may comprise ties 44 of adjustable length which pull each post in the fore and aft direction relative to the side structure 5 6 to locate each post.

No. of Pages: 48 No. of Claims: 49

(19) INDIA

(22) Date of filing of Application :14/03/2013

(21) Application No.2307/DELNP/2013 A

(43) Publication Date: 31/10/2014

### (54) Title of the invention: ELECTRICAL CONNECTOR

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:H01R13/629 :10 2010 039 706.7 :24/08/2010	(71)Name of Applicant:  1)TYCO ELECTRONICS AMP GMBH  Address of Applicant: Amperestrasse 12 14 64625 Bensheim
<ul><li>(33) Name of priority country</li><li>(86) International Application No Filing Date</li></ul>	:Germany :PCT/EP2011/063696 :09/08/2011	Germany (72)Name of Inventor: 1)FORELL Richard
(87) International Publication No (61) Patent of Addition to Application Number Eiling Date	:WO 2012/025376 :NA :NA	2)SCHMITT Marcel
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

An electrical plug in connector with a casing with a lever rotatably mounted on the casing the lever having a guideway the guideway being provided for guiding a guide element of a second casing with the guide element being guided in the guideway upon rotation of the lever and the second casing being pulled from a pre assembly position with regard to the casing into an end position the casing having a flexible blocking element an insertion space for introducing the guide element into the guideway being provided the blocking element having an actuating surface the actuating surface in a rest position of the blocking element projecting into the insertion space the lever having a blocking surface the blocking element having a second blocking surface with in a rest position of the lever and in a rest position of the blocking element the second blocking surface of the blocking element being associated with the blocking surface of the lever and blocking a movement of the lever from the rest position into an end position the blocking element being formed such that the guide element upon introduction of the second casing into a pre assembly position in relation to the casing being guided via the insertion space into the guideway and in so doing the guide element acting on the actuating surface such that the blocking element is moved into a release position so that the position of the second blocking surface of the blocking element relative to the blocking surface of the lever is changed such that the lever is released for a movement into the end position.

No. of Pages: 27 No. of Claims: 7

(22) Date of filing of Application :14/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: METHOD FOR CONTROLLING A SERIES RESONANT DC/DC 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 <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:25/10/2011 :WO 2012/055862 :NA	(71)Name of Applicant:  1)ELTEK VALERE AS  Address of Applicant: P. O. Box 2340 Str,ms, N 3003  Drammen Norway (72)Name of Inventor:  1)ROJAS Roberto 2)B,,CKMAN Nils
(61) Patent of Addition to Application		2)B,,CKMAN NIIS
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to a method for controlling a series resonant DC/DC converter. The method comprises the steps of: defining a switching period TP having a first half period TA and a second half period TB and defining a subsequent switching period TP+1 after the switching period TP. In a next step a first set (S1sc1; S1sc1 S4sc1) of switches of a first switching circuit (SC1) is controlled to be ON from the beginning Tstart of the first half period TA minus a time interval TAE1 where the time interval TAE1 is provided at the end of the first half period TA and a second set(S2sc1; S2sc1 S3sc1) of switches of the first switching circuit (SC1) is controlled to be ON from the beginning Tcenter of the second half period TB minus a time interval TBE1 where the time interval TBE1 is provided at the end of the second half period TB. A first set (S1sc2; S1sc2 S4sc2) of switches of a second switching circuit (SC2) is controlled to be ON in the first half period TA minus a time interval TAS1 and minus a time interval TAE2 where the time interval TAS1 is provided at the beginning of the first half period TA and where the time interval TAE2 is provided at the end of the first half period TA and a second set (S2sc2; S2sc2 S3sc2) of switches of the second switching circuit (SC2) is controlled to be ON in the second half period TB minus time interval TBS1 and minus time interval TBE2 where the time interval TBS1 is provided at the beginning of the second half period TB and where the time interval TBE2 is provided in the end of the second half period TB. Time intervals Tsc1off1 and Tsc2off1 and time intervals Tsc1off2 and Tsc2off2 where the sets of the first and second switching circuits all are off are at least partially overlapping.

No. of Pages: 40 No. of Claims: 7

(19) INDIA

(22) Date of filing of Application :13/03/2013

(21) Application No.2269/DELNP/2013 A

(43) Publication Date: 31/10/2014

### (54) Title of the invention: HIGH EFFICIENCY LED POWER SUPPLY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H05B33/08 :1017901.8 :23/10/2010 :U.K. :PCT/GB2011/001521 :24/10/2011 :WO 2012/052728 :NA :NA	(71)Name of Applicant: 1)TECHNELEC LTD Address of Applicant: Edison House Station Approach Oakham LE15 6QW U.K. (72)Name of Inventor: 1)POLLOCK Charles 2)POLLOCK Helen
(61) Patent of Addition to Application Number	:NA	2)I OLLOCK Heleli
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

There is an increasing need for simple and low cost power supplies to control loads such as battery chargers and LEDs. It is the object of this invention to provide an alternative method for the control of current in such loads with very high efficiency and to reduce the variation of load current with supply voltage. This invention is particularly relevant to LED power supplies or battery chargers and provides an electronic power supply for the control of an electrical load connected to an electrical source the electrical load comprising a main load with at least one LED and an auxiliary load with at least one LED the electronic power supply comprising a series compensation block connected in series with the main load and the voltage source the series compensation block providing a voltage in opposition to the voltage source by directly controlling the power delivered to the auxiliary load and indirectly controlling the power converted in the main load.

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

(21) Application No.2437/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :19/03/2013

(43) Publication Date: 31/10/2014

## (54) Title of the invention : PROCESS FOR MANUFACTURING POLYSILOXANE MICROCAPSULES THAT ARE FUNCTIONALIZED AND ARE NOT VERY POROUS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> </ul>	:1057708 :24/09/2010 :France	(71)Name of Applicant:  1)UNIVERSITE DE TOURS FRANCOIS RABELAIS Address of Applicant: 60 rue du Plat dEtain F 37000 Tours France (72)Name of Inventor: 1)VIAUD MASSUARD Marie Claude 2)MONFRAY Jrmy
<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	3)ROBERT Peggy 4)RAYNAUD Elodie 5)BOUAZZA Vincent

#### (57) Abstract:

The present invention relates to a process for encapsulating products that may exhibit lipophilic or hydrophilic properties, including volatile products, in a particularly leaktight polysiloxane membrane. It also proposes a method for evaluating the leaktightness of such capsules. This process comprises the following steps: a) -formation of droplets via 10 an emulsion between an oily phase containing the product to be encapsulated and an acidic aqueous phase heated to around 50°C and in the presence of surfactants; b) - addition and hydrolysis of at least one silane in order to obtain a silanol; c) -increase of the pH in order to obtain a start of condensation of the silanol in order to form a first membrane around droplets of the product to be encapsulated; d) -lowering of the pH; 15 e) -increase of the pH, optionally preceded by the addition of a silane, in order to obtain a new condensation of silanol around droplets of the product to be encapsulated.

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

(43) Publication Date: 31/10/2014

(19) INDIA (22) Date of filing of Application: 19/03/2013

### (54) Title of the invention: SYSTEMS AND METHODS FOR POWER CONNECTION

(51) International classification :H01R4/36,H01R13/00 (71)Name of Applicant :

(31) Priority Document No :12/860716 (32) Priority Date :20/08/2010 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2011/048208 Filing Date :18/08/2011

(87) International Publication No :WO 2012/024471

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

1) CLEAN WAVE TECHNOLOGIES INC.

(21) Application No.2438/DELNP/2013 A

Address of Applicant :650 Castro St. Suite 120 329 Mountain

View CA 94041 U.S.A. (72)Name of Inventor:

1)GARRIGA Rudolph 2)KUBIC Michael

(57) Abstract:

The invention provides systems and methods for power connection which may be a sealed power connection. The sealed power connection may be used with an electric machine or any device that may require electrical and/or mechanical connection for power. The sealed power connection may provide an effective electrical connection while providing a robust mechanical connection. The electric machine or device may be fluid sealed and/or fluid cooled. The sealed power connection may provide for electrical insulation of the connection from the machine or device enclosure and may also be sealed to provide for fluid sealing and/or internal fluid cooling of the electric machine or device as well as fluid cooling of the connection.

No. of Pages: 33 No. of Claims: 29

(21) Application No.2439/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :19/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: SEMICONDUCTOR CHIP WITH REDUNDANT THRU SILICON VIAS

(51) International classification :H01L23/48,F (31) Priority Document No :12/878542 (32) Priority Date :09/09/2010 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2011/051027

Filing Date :09/09/2011
(87) International Publication No :WO 2012/034034

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

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

:H01L23/48,H01L25/065 (71)**Name of Applicant :** 

1)ADVANCED MICRO DEVICES INC.

Address of Applicant :One Amd Place Sunnyvale CA 94088

3453 U.S.A.

2)ATI TECHNOLOGIES ULC

(72)Name of Inventor: 1)BLACK Bryan 2)SU Michael Z.

3)REFAI AHMED Gamal

4)SIEGEL Joe 5)PREJEAN Seth

### (57) Abstract:

A semiconductor chip with conductive vias and a method of manufacturing the same are disclosed. The method includes forming a first plurality of conductive vias (115 120 125) in a layer (80) of a first semiconductor chip (15). The first plurality of conductive vias includes first ends (127) and second ends (129). A first conductor pad (65) is formed in ohmic contact with the first ends (127) of the first plurality of conductive vias.

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

(21) Application No.2292/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 14/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: MEDICAL TREATMENT INFORMATION DISPLAY DEVICE AND METHOD AND PROGRAM

(51) International classification :A61B5/00,A61B1/00,A61B1/04 (71)Name of Applicant :

(31) Priority Document No :2010194710 (32) Priority Date :31/08/2010

(33) Name of priority country :Japan

(86) International Application No:PCT/JP2011/004738

Filing Date :25/08/2011 (87) International Publication No: WO 2012/029265

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

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

(57) Abstract:

1)FUJIFILM CORPORATION

Address of Applicant :26 30 Nishiazabu 2 chome Minato ku

Tokyo 1068620 Japan (72)Name of Inventor: 1)ASAMI Masahiro 2)NAKAMURA Keigo

3)SHIRASAKA Hajime

To enable medical treatment information regarding an endoscopic examination to be acquired by a simpler operation and in a more intuitive manner. [Solution] A user interface (32) for acquisition condition input receives gesture input in the display of an external image of a subject under examination (body icon (45)). An endoscope condition specification unit (34) recognizes the endoscope gesture showing the path for insertion of the endoscope into the subject under examination displayed in the external image of the subject under examination, on the basis of position information of the gesture and the position on the display screen of the external image of the subject under examination. When the endoscope gesture is recognized, a medical treatment information acquisition condition for acquiring medical treatment information for an actual and/or a virtual endoscopic examination is specified. A medical treatment information acquisition unit (35) selectively acquires medical treatment information satisfying the specified medical treatment acquisition condition from a medical treatment information database (53) for storing the medical treatment information of a plurality of cases. A medical treatment information display controller (36) displays the acquired medical treatment information.

No. of Pages: 80 No. of Claims: 18

(19) INDIA

(22) Date of filing of Application :19/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: WASTEWATER TREATMENT SYSTEM

(51) International classification	:C02F3/00,C02F3/32	(71)Name of Applicant:
(31) Priority Document No	:61/376505	1)TRIPLE T PURIFICATION LTD.
(32) Priority Date	:24/08/2010	Address of Applicant :2 Yigal Street P.O. Box 30100 38282
(33) Name of priority country	:U.S.A.	Hadera Israel
(86) International Application No	:PCT/IL2011/000684	(72)Name of Inventor:
Filing Date	:24/08/2011	1)AMITAI Gadi
(87) International Publication No	:WO 2012/025926	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.2441/DELNP/2013 A

### (57) Abstract:

The invention provides a system for treatment of wastewater. A pumping system pumps wastewater from a source basin to a recipient basin while a conduit allows gravitational flow of water from a source basin to a recipient basin when the pumping system is inactive. A controller activates the pumping system to pump wastewater from the source basin to a recipient basin when a wastewater level in the source basin is at a first predetermined height or when a rate of gravitational flow wastewater from the source basin to the recipient basin is below a first predetermined flow rate. The controller also turns off the pumping system when the water level in the source basin is at a source basin minimal level and the water level in the recipient basin is at a recipient basin maximal level. The invention also provides a method for operating a wastewater treatment of the invention and a pumping system for use in the system of the invention.

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

(21) Application No.2442/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :19/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: SAFETY DEVICE AND INFLATING APPARATUS THEREFOR

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:B63C9/08,B63C9/105,B63C9/15 :2010904182 :16/09/2010 :Australia	(71)Name of Applicant:  1)ZACTILL INTELLECTUAL PROPERTY PTY LTD.  Address of Applicant: 23 Croudace Road Tingira Heights  NSW 2290 Australia
(86) International Application No Filing Date	:PCT/AU2011/001195 :16/09/2011	(72)Name of Inventor : 1)ASHARD David John
(87) International Publication No	:WO 2012/034185	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A safety device (10) including an article to be worn by a user (12) and an inflatable bladder (16) which is in use attached to the article. The safety device further includes an inflating apparatus (18) for in use inflating the inflatable bladder with an inflating product. The inflating apparatus comprises an inflating product compartment (20) for storing the inflating product and a frangible valve (24) for deterring flow of the inflating product from the inflating product compartment. An actuator (34) is provided for rupturing the frangible valve thereby allowing inflating product to flow from the inflating product compartment to the inflatable bladder.

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

(19) INDIA

(22) Date of filing of Application :19/03/2013 (43) Publication Date : 31/10/2014

(54) Title of the invention: CYCLOSPORINE EMULSION

(51) International classification
(31) Priority Document No
(32) Priority Date
(33) Name of priority country
(86) International Application No
:A61K9/107,A61K38/
:PA 2010 00891
:01/10/2010
:Denmark
:PCT/EP2011/067117

Filing Date :30/09/2011
(87) International Publication No :WO 2012/042023

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

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

:A61K9/107,A61K38/13 (71)Name of Applicant :

1)NEUROVIVE PHARMACEUTICAL AB

(21) Application No.2443/DELNP/2013 A

Address of Applicant :Biomedical Center D10 S 221 84 Lund

Sweden

(72)Name of Inventor:

1)ELM%R Eskil

### (57) Abstract:

The present invention relates to a cyclosporine emulsion containing: i) a cyclosporine ii) a natural oil (long chain triglyceride) iii) a phosphatidylcholine iv) glycerol v) a pharmaceutically tolerable alkali salt of a free fatty acid vi) a medium chain triglyceride oil vii) optionally hydrochloric acid or sodium hydroxide for pH adjustment viii) water.

No. of Pages: 51 No. of Claims: 17

(21) Application No.2318/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: ASSEMBLY FOR MOVING PROJECTION SCREENS FOR HEAD UP DISPLAYS

(51) International classification :B60R11/02,F16M11/10,F16M11/38

(31) Priority Document No :10 2010 045 854.6 (32) Priority Date :17/09/2010

(32) Priority Date :17/09/2010
(33) Name of priority country :Germany

(86) International •PCT/FP2011/066102

Application No :PCT/EP2011/066102

Filing Date :16/09/2011

(87) International Publication: WO 2012/035140

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

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

(71)Name of Applicant:

1)JOHNSON CONTROLS GMBH

Address of Applicant: Industriestrae 20 30 51399 Burscheid

Germany

(72)Name of Inventor:
1)LEIST Martin

2)RUMPF Horst

### (57) Abstract:

The invention relates to an assembly for moving projection screens for head-up displays, comprising a mounting (6) for fastening the projection screen (7), wherein the mounting (6) is connected to a mechanical coupling gear unit which has a base member (1) which can be fastened to a vehicle part.

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

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: WALLBOARD FOR ELEVATOR CAR AND CAR WALL COMPOSED OF THE WALLBOARD

(51) International classification	:B66B11/02	(71)Name of Applicant:
(31) Priority Document No	:201010263003.6	1)CANNY ELEVATOR CO. LTD.
(32) Priority Date	:25/08/2010	Address of Applicant :No.88 (LUXU) Linhu Economic
(33) Name of priority country	:China	Development Zone Wujiang Jiangsu 215213 China
(86) International Application No	:PCT/CN2011/072571	(72)Name of Inventor:
Filing Date	:10/04/2011	1)WANG Youlin
(87) International Publication No	:WO 2012/024928	2)ZHANG Jianhong
(61) Patent of Addition to Application	:NA	3)YU Cheng
Number		4)ZHENG Yao
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Disclosed are a wallboard for an elevator car and a car wall composed of the wallboard. The wallboard includes a rectangular panel (1). Right-angled hems on two sides of the rectangular panel (1) along the widthwise direction form sidewalls (2), and right-angled hems on two ends of the rectangular panel (1) along the lengthwise direction form sealing heads (3). Two strengthening ribs (4) fastened to the surface of the rectangular panel are connected between the sealing heads (3). An outer hem (2-1) is arranged on one sidewall at the edge thereof away from the rectangular panel (1), and an inner hem (2-1) is arranged on the other sidewall at the edge thereof away from the rectangular panel (1). Reliable sealing structure between adjacent wallboards is therefore formed. The inner and outer hems structure also helps improving rigidity of the wallboard and linearity of the sidewalls, which consequently reduces effectively noises and vibrations caused by the car wall during high-speed operation of the elevator.

No. of Pages: 12 No. of Claims: 7

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: SPEED LIMITING CONTROL DEVICE FOR HOME LIFT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:201010266741.6 :27/08/2010 :China	(71)Name of Applicant:  1)CANNY ELEVATOR CO. LTD.  Address of Applicant: No.88 (Luxu) Linhu Economic Development Zone Wujiang Jiangsu 215213 China (72)Name of Inventor:  1)WANG Youlin 2)ZHANG Jianhong 3)YU Cheng 4)ZHENG Yeo
<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	3)YU Cheng 4)ZHENG Yao

### (57) Abstract:

A speed-limiting control device for a home lift includes a connecting rod(2) and two beam bodies correspondingly mounted on two ends of the connecting rod(2) respectively. On each beam body is respectively provided with a set of the speed-limiting control device. The speed-limiting control device includes a governor rope hitch(6), a safety clamp(8) and a safety clamp lifting mechanism connected fixedly with the wedge(81) of the safety clamp. The safety clamp(8) is mounted on the beam body, and the governor rope hitch(6) is linked to the safety-clamp lifting mechanism by the connecting rod(2). The speed-limiting control device also includes a safety switch(3) electrically connected to a lift control circuit and a switch strike plate(12) for disconnecting the safety switch(3). The safety switch(3) is a normal close switch and mounted on the beam body. The switch strike plate(12) is linked to the safety-clamp lifting mechanism. The device has simple structure and when being used with a governor of a home lift can effectively realize the lifting operation of the safety clamps as well as reliable actuation of the safety switch when running speed of cage exceeds predetermined speed.

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

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: ADJUSTALBE GUIDE RAIL BRACKET FOR ELEVATOR

(51) International classification	:B66B7/02	(71)Name of Applicant:
(31) Priority Document No	:201010263020.x	1)CANNY ELEVATOR CO. LTD.
(32) Priority Date	:25/08/2010	Address of Applicant :No.88 (LUXU) Linhu Economic
(33) Name of priority country	:China	Development Zone Wujiang Jiangsu 215213 China
(86) International Application No	:PCT/CN2011/072574	(72)Name of Inventor :
Filing Date	:10/04/2011	1)WANG Youlin
(87) International Publication No	:WO 2012/024931	2)ZHANG Jianhong
(61) Patent of Addition to Application	:NA	3)YU Cheng
Number	:NA	4)CHEN Fengzhen
Filing Date	.11/11	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

An adjustable guide rail bracket for an elevator is disclosed, which includes a fixed bracket (1) and an adjustable bracket (2). The fixed bracket is provided with a vertical mounting surface (1-1) and a horizontal mounting surface (1-1), and the adjustable bracket is provided with a vertical supporting surface (2-1) and a horizontal supporting surface (2-1). The fixed bracket and the adjustable bracket are fixedly connected with each other by tightly pressing the horizontal supporting surface to the horizontal mounting surface. The vertical mounting surface has expansion bolt long slotted holes extending along the longitudinal direction of the fixed bracket. Long slotted holes are provided on corresponding portions of the horizontal mounting surface and the horizontal supporting surface. Guide rail pressing board bolt holes are provided on the vertical supporting surface extending along the width direction. The fixed bracket and the adjustable bracket can be adjustably connected with each other by the fastening bolts and long slotted holes so that the guide rail bracket can be mounted conveniently. During the mounting process the cutting and welding process are reduced thus the material being saved.

No. of Pages: 8 No. of Claims: 5

(21) Application No.2418/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :19/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: STRUCTURAL HEALTH MONITORING USING SPRAYABLE PAINT FORMULATIONS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:C08K3/04,G12B17/02,H05K9/00 :10275098.1 :20/09/2010 :EPO	(71)Name of Applicant:  1)BAE SYSTEMS PLC  Address of Applicant: 6 Carlton Gardens London SW1Y 5AD U.K.
(86) International Application No Filing Date (87) International Publication No	:PCT/GB2011/051708 :13/09/2011 :WO 2012/038720	(72)Name of Inventor: 1)DUNLEAVY Michael 2)DYKE Hazel Anne 3)HAQ Sajad
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	

### (57) Abstract:

The structural health of a structure such as an aircraft is monitored by spraying a paint formulation containing a loading of carbon nanopartides to provide a paint layer forming part of a paint system. The paint layer forms a smart skin whose electrical properties may be monitored to determine structural health.

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

(21) Application No.2419/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention : APPARATUS AND METHOD FOR WORKING AN OPTICAL LENS AND ALSO A TRANSPORTING CONTAINER FOR OPTICAL LENSES

(51) International :B24B13/005,B24B13/06,B65D85/38

(31) Priority Document No :10 013 265.3 (32) Priority Date :04/10/2010

(33) Name of priority :EPO

country (86) International

Application No :PCT/EP2011/004868

Filing Date :29/09/2011

(87) International Publication No :WO 2012/045412

(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)SCHNEIDER GMBH & CO. KG

Address of Applicant : Biegenstrasse 8 12 35112 Fronhausen

Germany

(72)Name of Inventor:
1)SCHNEIDER Gunter

### (57) Abstract:

An apparatus and a method for processing an optical lens as well as a corresponding shipping container for multiple optical lenses are proposed, whereby the presence of necessary or specific operating means is acquired preferably automatically, in particular by means of corresponding detection devices, and/or is indicated for the respective processing of necessary lenses and/or other operating means, such as tools. In particular, a user guidance is provided, which as an alternative or in addition indicates a necessary clamping or reclamping of the lens or assigned block pieces and/or necessary tool-changing, or the like.

No. of Pages: 50 No. of Claims: 25

(22) Date of filing of Application :20/03/2013

(43) Publication Date: 31/10/2014

### (54) Title of the invention : ELEVATOR SYSTEM AND METHOD FOR LOCATING SERVING ELEVATORS IN RESPONSE TO EACH PROMPTED CAR CALL

#### (57) Abstract:

A method for automatically prompting a car call in an elevator system determining the number of passengers allocating the elevator car alternatives as serving elevator cars (110) for the passengers. The elevator system including a door sensing device (122) and a surveillance device (131) for monitoring passenger actions thereby defining the starting point and the final point of a passenger s traveling path. The method also includes calculating a passenger s traveling time period thereby yielding a time forecast of the passenger s arrival time at a waiting lobby (108). A cost function containing at least one landing time factor is determined for calculating the cost value of each elevator car alternative. The alternative that gives the lowest cost value is allocated as the serving elevator car for the passenger. The elevator system also receives information from external devices via one or more communicative linkages for system operation.

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

(21) Application No.2458/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/03/2013

(43) Publication Date: 31/10/2014

### (54) Title of the invention: NONWOVEN COMPOSITE ABRASIVE COMPRISING DIAMOND ABRASIVE PARTICLES

(51) International

:B24D11/00,B24D3/02,B24D18/00

:WO 2012/048120

classification

(31) Priority Document No :61/390249 :06/10/2010

(32) Priority Date

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

(86) International Application :PCT/US2011/055120 :06/10/2011

Filing Date

(87) International Publication

No

(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)SAINT GOBAIN ABRASIVES INC.

Address of Applicant :One New Bond Street Worcester

Massachusetts 01615 0138 U.S.A.

2)SAINT GOBAIN ABRASIFS

(72)Name of Inventor:

1)HUA Shyiguei

2) GOMEZ Alejandro 3)PINTO Fabio A.

4)STOCKTON John E.

(57) Abstract:

An abrasive article includes a support a first polymeric binder a second polymeric binder and abrasive particles. The support includes a plurality of nonwoven layers. A method of forming an abrasive article includes providing a support including applying a first coating of the first polymeric binder to the support applying superabrasive particles to the coated support applying a layer of a second polymeric binder overlying the superabrasive particles. The method further includes compressing the support and applying heat to cure the first polymeric binder. A method of preparing a work piece includes applying a thermal spray coating to the work piece and polishing the thermal spray coating with the abrasive article.

No. of Pages: 19 No. of Claims: 26

(21) Application No.2459/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: MICROPOROUS MICROFLUIDIC 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</li> </ul>	:13/09/2011 :WO 2012/039994 :NA	(71)Name of Applicant:  1)CORNING INCORPORATED  Address of Applicant: 1 Riverfront Plaza Corning New York 14831 U.S.A.  (72)Name of Inventor:  1)FINK Katherine A.  2)GORAL Vasiliy Nikolaevich 3)SU Hui 4)YUEN Po Ki
(61) Patent of Addition to Application		3)SU Hui
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A microfluidic apparatus includes (i) a first conduit; (ii) a second conduit; and (iii) a first interconnected microporous network in communication with the first and second conduits and configured to allow diffusion of gas between the first and second conduits. The microporous network comprises poly(dimethylsiloxane) (PDMS) and prevents flow of aqueous fluid between the first and second conduits through the microporous network.

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

(21) Application No.2390/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: PYRAZINE DERIVATIVES AS ENAC BLOCKERS

(51) International :C07D241/26,C07D403/12,C07D487/10 classification

(31) Priority Document

:61/383985

:NA

(32) Priority Date :17/09/2010 (33) Name of priority

:U.S.A. country

(86) International :PCT/EP2011/066151 Application No :16/09/2011

Filing Date

(87) International :WO 2012/035158

Publication No

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

Filing Date (62) Divisional to :NA

**Application Number** Filing Date

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Address of Applicant :Lichtstrasse 35 CH 4056 Basel

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(72)Name of Inventor:

1)BHALAY Gurdip

2)EDWARDS Lee

3)HOWSHAM Catherine

4)HUNT Peter

5)SMITH Nichola

### (57) Abstract:

Compounds of Formula (I) and pharmaceutically acceptable salts and solvates thereof, wherein R1, R2, R3, R4, R5, R6, R7, R8, R9, and R10 have the meanings as indicated in the specification, are useful for treating diseases mediated by blockade of the epithelial sodium channel. Pharmaceutical compositions that contain the compounds and processes for preparing the compounds are also described.

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

(22) Date of filing of Application :20/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: SYSTEMS AND METHODS FOR IMPROVED STABILITY OF ELECTROCHEMICAL SENSORS

(51) International :G01N27/22,G01N27/416,G01N27/327 classification

(31) Priority Document :12/895168

(32) Priority Date :30/09/2010 (33) Name of priority :U.S.A.

country (86) International

:PCT/IB2011/002472 Application No :30/09/2011 Filing Date

(87) International

:WO 2012/042380 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)CILAG GMBH INTERNATIONAL

Address of Applicant : Landis+Gyr Strasse 1 6300 Zug

Switzerland

(72)Name of Inventor:

1) CHATELIER Ronald C.

2)HODGES Alastair M.

### (57) Abstract:

Methods for determining a concentration of an analyte in a sample and the devices and systems used in conjunction with the same are provided herein. In one exemplary embodiment of a method for determining a concentration of an analyte in a sample a sample including an analyte is provided in a sample analyzing device having a working and a counter electrode. An electric potential is applied between the electrodes and a measurement of a parameter correlating to changes in a physical property of the sample analyzing device is calculated. A concentration of the analyte in view of the parameter correlating to a change in the physical property can then be determined. Systems and devices that take advantage of the parameter correlating to changes in a physical property to make analyte concentration determinations are also provided.

No. of Pages: 55 No. of Claims: 28

(21) Application No.2463/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: MEDICAL ADSORBENT AND METHOD FOR PRODUCING SAME

(51) International classification: A61K33/44, A61P1/16, A61P13/12 (71) Name of Applicant:

:2010229408 (31) Priority Document No (32) Priority Date :12/10/2010

(33) Name of priority country :Japan

(86) International Application :PCT/JP2011/072960

No :05/10/2011 Filing Date

(87) International Publication

:WO 2012/050025

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

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

1)Futamura Kagaku Kabushiki Kaisha

Address of Applicant :29 16 Meieki 2 chome Nakamura ku

Nagoya shi Aichi 4500002 Japan

(72)Name of Inventor:

1)KUROKAWA Hiroyuki

2)HIBI Keita

3)KOUSAKA Tsutomu

4)SUZUKI Keisuke

### (57) Abstract:

To proviae a medical assorbent ior oral administration that has excellent adsomtion capacity and selective adsorption of toxins that are to be removed, even at low doses, and that is economical and minimizes environmental impact. [Solution] Activated carbon is obtained by the carbonization and activation of purified cellulose or regenerated cellulose, and is characterized by: comprising granular activated carbon in which the pore diameters are 1.5 t o 2.2 nm, the specific BET surface area i s 700 to 3000 m 2/g, the average particle diameter i s 100 t o 1 100 μηι, the amount o f surface oxidation i s not less than 0.05 meg/g, and the packing density i s 0.4-0.8g/mL; and being used as an orally-administered therapeutic agent or preventive agent for renal disease or liver disease.

No. of Pages: 33 No. of Claims: 4

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: APPARATUS FOR TREATING DISORDERS OF THE SINUSES

(51) International classification :A61B1/233,A61B17/24

(31) Priority Document No :61/385263 (32) Priority Date :22/09/2010 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2011/049929

Filing Date :31/08/2011

(87) International Publication No :WO 2012/039906 (61) Patent of Addition to Application

Number
Filing Date

NA Application
SNA

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

(71)Name of Applicant: 1)ACCLARENT INC.

Address of Applicant :1525 b Obrien Drive Menlo Park CA

94025 U.S.A.

(72)Name of Inventor: 1)GOLDFARB Eric A. 2)CHOW Mina W.b. 3)WHITE John W.

4)CHANG John Y. 5)PADER Mei Y.

6)LIBERATORE Jessica M.

7)TANTISIRA Radit 8)LOH Serena Swei 9)MAKOWER Joshua

10)VO Hung

11)GANDIONCO Isidro M. 12)GOTTESMAN Michael J.

### (57) Abstract:

A medical device for the treatment of a sinus opening includes a handle a grooming sheath a rail a guide wire a balloon catheter and a balloon catheter movement mechanism. The handle has a proximal end a distal end and a longitudinal axis along the length of the handle. The grooming sheath has a distal end and a proximal end with the proximal end of the grooming sheath being attached to the distal end of the handle. The rail has a distal end and a proximal end and disposed partially within the grooming sheath to define an annular lumen is between the rail and the grooming sheath. The guide wire operatively extends from the distal end of the rail and the balloon catheter is disposed at least partially in the handle and annular lumen. The balloon catheter movement mechanism operatively disposed on the handle and configured for advancement and retraction of the balloon catheter through both the handle and the annular lumen and along both the rail and guide wire by user operation of the balloon catheter movement mechanism. A method for treating a sinus opening includes inserting a medical device for the treatment of a sinus opening partially into a patient s anatomy and then positioning a guide wire operatively extending from a rail of a medical device into a sinus opening of the patient. The method further includes advancing a balloon catheter from an annular lumen of the medical device and along both the rail of the medical device and the guide wire. The method also includes treating the sinus opening via inflation of the balloon catheter. In the method the annular lumen is between the rail and a grooming sheath of the medical device and the advancing is accomplished via user operation of a balloon catheter movement mechanism of the medical device.

No. of Pages: 66 No. of Claims: 28

(21) Application No.2295/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 14/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: FILTER DEVICE AND FILTER METHOD

:05/09/2011

(51) International :B01D46/38,B01D50/00,B01D46/00 classification

(31) Priority Document No :10 2010 045 000.6 (32) Priority Date :10/09/2010

(33) Name of priority country: Germany

(86) International :PCT/EP2011/065286 Application No

Filing Date

(87) International Publication :WO 2012/032003

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)HERDING GMBH FILTERTECHNIK

Address of Applicant : August Borsig Strae 3 92224 Amberg

Germany

(72)Name of Inventor: 1)HERDING Urs 2)HAJEK Stefan

### (57) Abstract:

A filter device (19) is proposed for cleaning gas entraining foreign bodies, comprising: at least one filter unit (12) having at least one filter surface on a raw gas side to which a raw gas stream (44) containing foreign bodies can be 10 supplied, wherein filtration aids can be supplied to the raw gas stream (44) and/or the filter surface, and wherein filtration aids and/or foreign matter attached to the filter surface can be cleaned off. The filter device (10) additionally comprises a fluidized bed arrangement (55) in which a carrier fluid stream (54) can be generated such that cleaned-off filtration aids and/or foreign mat- 15 ter can be held at least in part as filtration aerosol in a surrounding of the filter unit (12) and/or can re-attach to a filter surface.

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

(21) Application No.2297/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention : WIND TURBINE BLADE STRUCTURES LIFTING ASSEMBLIES AND METHODS OF BLADE HANDLING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:PA 2010 70399 :15/09/2010 :Denmark	(71)Name of Applicant:  1)VESTAS WIND SYSTEMS A/S   Address of Applicant: Hedeager 44 DK 8200 Aarhus N Denmark (72)Name of Inventor:  1)BECH Anton 2)HANCOCK Mark 3)THOMSEN Peter Frans
. ,		3)THOMSEN Peter Frans
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A wind turbine blade 2 is formed with structures allowing its lifting by a lifting apparatus 4 the blade comprising upper and lower blade shells and an internal load bearing structure comprising an internal spar 16 or internal webs a plurality of lifting points 20 arranged about the blade centre of gravity comprising openings for receiving lifting members 24 of a lifting apparatus insertable therein into structures 22 secured to the load bearing structure and with a locking connection being established between the lifting members 24 and the load bearing structure 16.

No. of Pages: 33 No. of Claims: 35

(21) Application No.2467/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: NEW COMPOSITIONS AND METHODS FOR CONTROLLING NEMATODE PESTS

(51) International classification :C07D257/06,C07D403/04,C07D405/04

(31) Priority Document :61/379514

(32) Priority Date :02/09/2010 (33) Name of priority country :U.S.A.

(86) International :PCT/US2011/049847

Application No Filing Date :1C1/0320

(87) International Publication No :WO 2012/030887

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

(62) Divisional to
Application Number
Filing Date
:NA

(71)Name of Applicant:

1)MONSANTO TECHNOLOGY LLC

Address of Applicant :800 North Lindbergh Boulevard St.

Louis MO 63167 U.S.A. (72)Name of Inventor:

1)SLOMCZYNSKA Urszula

2)DIMMIC Matt W.

3)HAAKENSON JR. William P.

4)WIDEMAN Al

5)CRAWFORD Michael J.

(57) Abstract:

Compositions and processes for controlling nematodes are described herein e.g. nematodes that infest plants or animals. The compounds include certain 2 5 substituted tetrazoles.

No. of Pages: 50 No. of Claims: 17

(21) Application No.2469/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention: CONSTRUCTION MACHINE INFORMATION DISPLAY DEVICE CONSTRUCTION MACHINE INFORMATION DISPLAY METHOD AND COMPUTER PROGRAM FOR CONSTRUCTION MACHINE INFORMATION DISPLAY

(51) International classification	:E02F9/26	(71)Name of Applicant:
(31) Priority Document No	:2011249236	1)KOMATSU LTD.
(32) Priority Date	:15/11/2011	Address of Applicant :2 3 6 Akasaka Minato ku Tokyo
(33) Name of priority country	:Japan	1078414 Japan
(86) International Application No	:PCT/JP2012/073726	(72)Name of Inventor:
Filing Date	:14/09/2012	1)DATE Kazuaki
(87) International Publication No	:WO 2013/073281	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		-

### (57) Abstract:

The purpose of the present invention is to enable more necessary information to be displayed in a display device during operation of a construction machine while ensuring visibility of the display device. To achieve this purpose, an information display device (100) mounted in a construction machine includes a display device (15) for displaying various information relating to the construction machine, and a control device (20) for turning off the displaying of a function guide (30) when the construction machine is working, the function guide being for providing guidance for function switches (16) for switching the information to be displayed by the display device (15) in a screen in which information relating to at least the fuel level and the engine coolant temperature is displayed.

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

(21) Application No.2470/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: LASER WELDING METHOD

(51) International

:B23K26/20,C22C38/00,C22C38/04

classification

(31) Priority Document No :2010229574

(32) Priority Date (33) Name of priority country: Japan

:12/10/2010

(86) International Application :PCT/JP2011/073360

:12/10/2011

Filing Date

(87) International Publication :WO 2012/050097

(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)FURUSAKO Seiji 2)MIYAZAKI Yasunobu

3)NAITO Yasuaki

(57) Abstract:

Superimposed sections of a plurality of members including a high-tensile steel plate containing 0.07 wt% or more of carbon are joined at a plurality of welding positions by means of a remote welding process by forming first beads (31 to 36) in a closed loop or closed loop shape and forming second beads (41 to 46) inside the first beads (31 to 36) in a closed loop or closed loop shape. At this time, the first beads (31 to 36) are continuously formed, the second beads (41 to 46) are continuously formed with respect to the plurality of first beads (31 to 36) formed, and in either case beads are formed at welding positions not proximate to the previous welding position. As a result, the welding strength of welding sections can be in creased and also welding deformation can be suppressed.

No. of Pages: 48 No. of Claims: 4

(21) Application No.2445/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/03/2013 (43) Publication Date: 31/10/2014

:NA

### (54) Title of the invention: DEVICE FOR TREATING A LIQUID AND METHOD FOR TREATING A SUSPENSION

(51) International classification :B01F5/04,B01F3/04,B01F7/00 (71)Name of Applicant : (31) Priority Document No :10 2010 047 947.0 1)ULTRASONIC SYSTEMS GMBH (32) Priority Date Address of Applicant :Gemeindewald 5 86672 Thierhaupten :08/10/2010 (33) Name of priority country :Germany Germany (86) International Application No :PCT/EP2011/005022 (72)Name of Inventor: Filing Date :07/10/2011 1)GRAU Joerg (87) International Publication No :WO 2012/045470 2)OLIVERI Carmelo (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number

### (57) Abstract:

Filing Date

A device for treating a liquid has a chamber (12) and a rotatable cavitation element (18) arranged within the chamber (12). According to a first aspect, the 5 chamber (12) has a cross-section with different roundnesses (34, 36) in the region of the cavitation element (18). According to a second aspect, the substantially disk-shaped cavitation element (18) has (preferably oblong) passage openings (44) which have rounded inner walls.

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

(21) Application No.2472/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: HEADREST WHICH CAN BE ADJUSTED IN THE X DIRECTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <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>	:20/09/2011 :WO 2012/038067 :NA :NA	(71)Name of Applicant:  1)JOHNSON CONTROLS GMBH  Address of Applicant: Industriestrae 20 30 51399 Burscheid Germany (72)Name of Inventor:  1)HEMMELRATH Rudolf 2)FROTZ Thomas 3)QUANDT Denis
Filing Date	:NA	

### (57) Abstract:

The present invention relates to a headrest having a headrest box (4) which is mounted on at least one retaining rod and can be displaced in the X direction.

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

(21) Application No.2473/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: AQUEOUS DRUG DELIVERY SYSTEM COMPRISING OFF FLAVOR MASKING AGENT

(51) International classification :A61K9/08,A61K9/16,A61K31/167

(31) Priority Document No :61/382098 (32) Priority Date :13/09/2010 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2011/051386

Filing Date :13/09/2011

(87) International Publication :WO 2012/037117

(61) Patent of Addition to

Application Number Filing Date :NA

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

Filing Date

(71)Name of Applicant:

1)BEV RX INC.

Address of Applicant :91 Front St #103 Scituate MA 02066

U.S.A.

(72)Name of Inventor:

1)REED Kyle A.

(57) Abstract:

Novel water stable pharmaceutical compositions their liquid form oral pharmaceutical compositions and kits thereof rehydration beverages containing these water stable pharmaceutical compositions methods of manufacture and methods of use thereof are disclosed. The novel aqueous delivery systems are useful inter alia as alternative pharmaceutical dosing agents to tablets capsules and other forms of delivering medication to a mammalian host in need thereof.

No. of Pages: 70 No. of Claims: 26

(19) INDIA

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 31/10/2014

(54) Title of the invention: BONE 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</li> <li>Filing Date</li> </ul>	:A61B17/74 :61/407231 :27/10/2010 :U.S.A. :PCT/US2011/057295 :21/10/2011	· /
· /		7
` /	:27/10/2010	
(33) Name of priority country	:U.S.A.	Pennsylvania 19380 U.S.A.
(86) International Application No	:PCT/US2011/057295	2)SYNTHES GMBH
Filing Date	:21/10/2011	(72)Name of Inventor:
(87) International Publication No	:WO 2012/058113	1)FRIGG Robert
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
( = 1 ) A 1		•

(21) Application No.2474/DELNP/2013 A

### (57) Abstract:

A fixation device for treating an epiphyseal fracture comprises a shaft extending longitudinally along a central axis from a first end to a second end configured to slidably engage a bone implant opening and a having a maximum radius r and a spherical head element attached to the first end of the shaft and having a radius R > r the spherical head element configured to be inserted into a fragmented portion of bone such that the fragmented portion rotates about the spherical head element relative to the central axis of the shaft.

No. of Pages: 51 No. of Claims: 32

(21) Application No.2476/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: EXHAUST MUFFLER PROVIDED WITH TAIL PIPE

:F01N1/02,F01N1/08,F01N1/12 (71)Name of Applicant : (51) International classification (31) Priority Document No :2010209345 (32) Priority Date :17/09/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/070323 Filing Date :07/09/2011

(87) International Publication No :WO 2012/036032

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA 1)MATSUSHOU CO.LTD.

Address of Applicant: 389 100aza Nichome Yashio shi

Saitama 3400811 Japan (72)Name of Inventor: 1)MATSUMOTO Noboru

#### (57) Abstract:

Filing Date

To provide an exnaust muffler provided with a tail pipe ior suppressing ripples, increasing an engine output and improving fuel consumption efficiency. [Solution] A chamber (10) is provided in the middle of an exhaust pipe (1) for internal combustion engine. A tail pipe (20) to be coupled to an exhaust opening of the exhaust pipe (1) is provided. A plurality of fins (21) is arranged inside the tail pipe (20) in the spiral shape gradually widening in the direction of discharging the exhaust gas. The chamber (10) is constituted by a cover body (11) and an internal exhaust pipe (12) covered with the cover body (11). The in ternal exhaust pipe (12) is constituted by a diffusion exhaust pipe (13) having a large diameter and a compression exhaust pipe (14) having a small diameter. Diffusion pores (15) are opened in part of the side surface of the internal exhaust pipe (12).

No. of Pages: 38 No. of Claims: 5

(21) Application No.2477/DELNP/2013 A

Address of Applicant :5162 Duke Street Suite 520 Halifax

(19) INDIA

(22) Date of filing of Application :20/03/2013

(43) Publication Date: 31/10/2014

(54) Title of the invention: TERPENOID ANALOGUES AND USES THEREOF FOR TREATING NEUROLOGICAL

**CONDITIONS** 

(51) International :A61K31/18,A61K31/045,A61K31/08

classification

(31) Priority Document No :61/382635 :14/09/2010

(32) Priority Date (33) Name of priority

country

:U.S.A.

(86) International Application No

:PCT/CA2011/050562 :14/09/2011

Filing Date

Publication No

(61) Patent of Addition to :NA

:NA Filing Date :NA :NA

(87) International :WO 2012/034232

**Application Number** 

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

(72)Name of Inventor:

1)REED Mark A. 2)WEAVER Donald 3)SUN Shengguo

(71)Name of Applicant:

1)NEUROOUEST INC.

Nova Scotia B3J 1N7 Canada

4)MCLELLAN Alexander

5)LU Erhu

(57) Abstract:

The present application provides a terpene analogue of Formula (I) or a pharmaceutically acceptable isomer salt or ester thereof and methods and uses thereof for treating neurological conditions such as pain in general and neuropathic pain. These terpene analogues can also be used to treat other electrical disorders in the central and peripheral nervous system. Also provided are methods of synthesizing the terpene analogues of Formula I.

No. of Pages: 78 No. of Claims: 25

(19) INDIA

(22) Date of filing of Application: 19/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: ELEVATOR INSTALLATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B66B11/04 :10 2010 042 144.8 :07/10/2010 :Germany :PCT/EP2011/066693 :26/09/2011 :WO 2012/045606 :NA :NA	(71)Name of Applicant:  1)THYSSENKRUPP TRANSRAPID GMBH Address of Applicant: Henschelplatz 1 34127 Kassel Germany (72)Name of Inventor:  1)L-SER Friedrich 2)MILLER Luipold 3)ZHENG Qinghua
(61) Patent of Addition to Application	:NA	3)ZHENG Qinghua
(62) Divisional to Application Number Filing Date	:NA :NA	

(21) Application No.2434/DELNP/2013 A

#### (57) Abstract:

The invention relates to an elevator installation (10) having at least one car (16) which is vertically movable upwardly and downwardly by means of a linear motor, the linear motor having stationary primary parts (24) and a secondary part (56) which is fixed to the car. In order to to improve an elevator installation of this kind in such a way that it can be installed in a simpler manner, it is proposed according to the invention that the elevator installation has a multiplicity of support segments (22) on which in each case / at least one primary part (24) is mounted, in each case a support segment (22) in combination with the at least one primary part (24) mounted thereon forming a prefabricated drive module (20) which is adapted to be handled independently, and the drive modules (20) being stackable one on top of trie other and forming a travel path along which the at least one car (16) can be movable.

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

(12) FATENT AFFLICATION FUBLICATION

(22) Date of filing of Application :19/03/2013 (43) Publication Date : 31/10/2014

(54) Title of the invention: PHARMACEUTICAL COMBINATIONS

(51) International classification :A61K31/4188,A61K31/4745,A61P35/00

(31) Priority Document :61/389445

No (32) Priority Date :04/10/2010

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

(86) International

Application No :PCT/US2011/054536

Filing Date :03/10/2011

(87) International :WO 2012/047775

Publication No (61) Patent of Addition

to Application Number

Filing Date

:NA

Filing Date
(62) Divisional to
Application Number
Filing Date

NA
:NA

(71)Name of Applicant : 1)NOVARTIS AG

(21) Application No.2435/DELNP/2013 A

Address of Applicant :Lichtstrasse 35 CH 4056 Basel

Switzerland

(72)Name of Inventor:

1)CHEN Yan

2)HUANG Xizhong 3)MURPHY Leon

4)NYFELER Beat

#### (57) Abstract:

(19) INDIA

The present invention relates to a pharmaceutical combination which comprises (a) an mTOR catalytic inhibitor such as a catalytic phosphatidylinositol 3 kinase (PI3K) and mTOR inhibitor compound which is an imidazoquinoline derivative and (b) at least one allosteric mTOR inhibitor compound and optionally at least one pharmaceutically acceptable carrier for simultaneous separate or sequential use in particular for the treatment of an mammalian target of rapamycin (mTOR) kinase dependent proliferative diseases; and the uses of such a combination in the treatment of mTOR kinase dependent proliferative diseases; a pharmaceutical composition comprising such a combination; the use of such a combination for the preparation of a medicament for the treatment of a proliferative disease; a commercial package or product comprising such a combination as a combined preparation for simultaneous separate or sequential use; and to a method of treatment of a warm blooded animal especially a human.

No. of Pages: 67 No. of Claims: 16

(21) Application No.2436/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: NEW CRYSTALLINE FORMS OF THE SODIUM SALT OF (4 {4 [5 ( 6 TRIFLUOROMETHYL PYRIDIN 3 YLAMINO ) PYRIDIN 2 YL] PHENYL} CYCLOHEXYL) ACETIC ACID

(51) International classification :C07D401/12,A61K31/415,A61P3/04

(31) Priority Document No :61/390888

(32) Priority Date :07/10/2010

(33) Name of priority :U.S.A.

country .U.S.F

(86) International :PCT/US2011/054841

Application No Filing Date :05/10/2011

(87) International

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(61) Patent of Addition to

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:NA
:NA

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

(71)Name of Applicant: 1)NOVARTIS AG

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Switzerland

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4)PRASHAD Mahavir

5)VILLHAUER Edwin Bernard

The present invention relates to novel crystalline forms of (4 {4 [5 (6 Trifluoromethyl pyridin 3 ylamino) pyridin 2 yl] phenyl} cyclohexyl) acetic acid sodium and their use in the treatment or prevention of a condition or a disorder associated with DGAT1 activity in animals particularly humans. It also relates processes for making such novel crystalline forms.

No. of Pages: 80 No. of Claims: 20

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

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: DISPERSIONS COMPRISING POLYTHIOPHENES WITH A DEFINED SULFATE CONTENT

(51) International classification :C08L65/00,C08L25/18 (71)Name of Applicant : (31) Priority Document No :10 2010 048 031.2 1)HERAEUS PRECIOUS METALS GMBH & CO. KG (32) Priority Date Address of Applicant: Heraeusstrasse 12 14 63450 Hanau :12/10/2010 (33) Name of priority country :Germany Germany (86) International Application No :PCT/EP2011/005021 (72)Name of Inventor: 1)L-VENICH Wilfried Filing Date :07/10/2011 (87) International Publication No :WO 2012/048824 2)SCHEEL Arnulf (61) Patent of Addition to Application 3)HILL Rudolf :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The present invention relates to a method for producing a composition comprising polythiophene comprising the method steps: I) provision of a composition Z1 comprising thiophene monomers and an oxidising agent; II) oxidative polymerisation of the thiophene monomers by reducing the oxidising agent to a reduction product and oxidation of the thiophene monomer forming a composition Z2 comprising a polythiophene and the reduction product; III) at least partial removal of the reduction product from the composition Z2 obtained in method step II) obtaining a composition Z3; wherein the composition Z3 has a sulfate content in the range from 100 ppm to 1 000 ppm based on the total weight of the composition Z3. The present invention also relates to a composition obtainable as the composition Z3 produced with this method a composition comprising a polythiophene a layer construction an electronic component and the use of a composition.

No. of Pages: 38 No. of Claims: 25

(21) Application No.2384/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: CROP PROTECTION AGENTS CONTAINING INSECT PATHOGENIC VIRUSES IN PARTICULAR BACULOVIRUSES AND CELLULOSE SULFATE

(51) International :A01N25/28,A01N63/00,A01P7/04 classification

(31) Priority Document No :10 2010 037 141.6

(32) Priority Date :24/08/2010

(33) Name of priority country: Germany

(86) International Application :PCT/EP2011/064483

No :23/08/2011

Filing Date

(87) International Publication

:WO 2012/025534

(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 : Henkestrae 91 91052 Erlangen

Germany

(72)Name of Inventor: 1)FISCHER Peter 2)GEPPERT Eric

3)FISCHBACH Matthias

### (57) Abstract:

The present invention relates to a crop protection agent containing insect-pathogenic viruses, in particular baculoviruses, and cellulose sulfate and/or to the derivatives thereof.

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

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: METHOD FOR REPLACING A TRANSFORMER IN A WIND ENERGY INSTALLATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B66C1/10 :10 2010 041 940.0 :04/10/2010 :Germany :PCT/EP2011/067311 :04/10/2011 :WO 2012/045741 :NA :NA	(71)Name of Applicant:  1)WOBBEN PROPERTIES GMBH  Address of Applicant: Dreekamp 5 26605 Aurich Germany (72)Name of Inventor:  1)MEYER Ewald  2)GERBERS Arnim
Filing Date	:NA	

#### (57) Abstract:

What is provided is: a method for replacing a generator of a wind energy installation. In this case, the generator is provided in the interior of a tower of a wind energy installation and the tower (140) has a door opening (150). A replacement crossbeam (300) is fastened, via a first stop point (3 10), to a crane hook of a mobile crane (500). A first end of the replacement crossbeam (300) is inserted with a second stop point (320) through the door opening (150) into the tower (140). The transformer (220) to be replaced is fixed to the second stop point (320) of the first end (300). A compensating weight (400) is fixed to the second stop point (320) at the second end of the replacement crossbeam (300). The second end of the replacement crossbeam (300) is tipped or inclined until the transformer is at the height of the door opening (150), and the crane hook is moved until the transformer to be replaced is located outside the door opening (150).

No. of Pages: 14 No. of Claims: 7

(21) Application No.2488/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: NEW TREATMENTS OF HEPATITIS C VIRUS INFECTION

(51) International (71)Name of Applicant: :A61K31/7056,A61K38/13,A61K38/21 classification 1)NOVARTIS AG (31) Priority Document Address of Applicant :Lichtstrasse 35 CH 4056 Basel :10186478.3 Switzerland 2)DEBIOPHARM S.A. (32) Priority Date :05/10/2010 (72)Name of Inventor: (33) Name of priority :EPO country 1)AVILA Claudio (86) International 2)CRABBE Rafael :PCT/EP2011/067240 Application No 3)NAOUMOV Nikolai :03/10/2011 Filing Date (87) International :WO 2012/045704 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA

(57) Abstract:

Filing Date

The invention concerns the use of cyclophilin inhibitors in the treatment of Hepatitis C virus genotype 2 or 3 infection.

No. of Pages: 28 No. of Claims: 12

(21) Application No.2489/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: PHARMACEUTICAL COMPOSITIONS CONTAINING A DGAT1 INHIBITOR

(51) International (71)Name of Applicant: :A61K9/20,A61K31/444,A61K47/20 classification 1)NOVARTIS AG (31) Priority Document No :61/393103 Address of Applicant: Lichtstrasse 35 CH 4056 Basel (32) Priority Date :14/10/2010 Switzerland (33) Name of priority (72)Name of Inventor: :U.S.A. country 1)WEN Hong (86) International 2)KUMARAPERUMAL Natrajan :PCT/US2011/056275 Application No 3)NAUSE Richard :14/10/2011 Filing Date (87) International :WO 2012/051488 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 present invention relates to a pharmaceutical composition comprising a) a therapeutically effective amount of a compound of formula (I) or a pharmaceutically acceptable salt thereof b) one or more e.g. 1 2 or 3 surfactants with lubricant properties; c) one or more e.g. 1 2 or 3 dry binders with disintegrant properties; d) one or more e.g. 1 2 or 3 fillers and e) one or more e.g. 1 2 or 3 disintegrants.

No. of Pages: 43 No. of Claims: 16

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : CONNECTING STRUCTURE FOR MECHANICALLY CONNECTING A FIRST HOUSING TO A SECOND HOUSING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H02K7/116 :10 2010 047 008.2 :30/09/2010 :Germany :PCT/EP2011/004889 :30/09/2011 :WO 2012/041511 :NA :NA	(71)Name of Applicant:  1)IMS GEAR GMBH  Address of Applicant: Heinrich Hertz Str. 16 78166  Donaueschingen Germany (72)Name of Inventor:  1)BEA Dominik
· /		
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to a connecting structure for mechanical connection of a first housing (1) with a second housing (2), whereby one face of the second housing (2) has a hollow cylindrical recess (3) for inserting the first housing (1); according to the invention it is provided that - the hollow cylindrical recess (3) is formed of a ring-shaped collar (4), and - for producing a frictional connection of the first housing (1) with a second housing (2), the collar (4) has at least one tensioning element (5), which in radial direction with respect to the collar (4) is in active connection with the first housing (1).

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

(21) Application No.2492/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: A SCREWLESS COVER MECHANIZED WITH A LOCK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:12/08/2011 :WO 2012/025809 :NA :NA	(71)Name of Applicant:  1)ELSTEEL (PRIVATE) LTD  Address of Applicant: R & D Department Spur Road 2 Phase 1 EPZ Katunayama 11420 Sri Lanka (72)Name of Inventor: 1)LOGSTRUP Erik
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention involves a housing structure mainly intended for the use in electrical enclosures. The novelty of this housing facility resides in the use of a screwless cover 1 to which a lock 2 is mechanically integrated thus forming a unit which provides a convenient and cost effective approach to assemble covers onto enclosures. The exclusive mechanism of the lock 2 makes the need of a handle unnecessary. A combination of all these features provides a ground breaking product which is processed in a unique method thus presenting a cutting edge facility to the modern industry.

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

(21) Application No.2440/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention: ANTICARIES COMPOSITIONS AND PROBIOTICS/PREBIOTICS

(51) International classification :C12N1/20,C07K14/195,C07K14/47

(31) Priority Document No :P201031302 (32) Priority Date :31/08/2010

(33) Name of priority country: Spain

(86) International :PCT/ES2011/070609

Application No
Filing Date

31/08/2011

(87) International Publication :WO 2012/028759

No (61) Patent of Addition to

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

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

(71)Name of Applicant:

1)CENTRO SUPERIOR DE INVESTIGACIN EN SALUD

PšBLICA (CSISP)

Address of Applicant : Avda. Catalu±a 21 E 46020 Valencia

Spain

(72) Name of Inventor:

1)MIRA OBRADOR Alejandro

### (57) Abstract:

The present invention discloses different specific bacterial strains isolated from individuals without caries which are characterised in that they present inhibitory activity against cariogenic organisms. The invention also discloses a process for isolating said strains, as well as bioactive peptides, such as anti-microbial peptides of human and bacterial origin, which also show anticariogenic activity. Moreover, the present invention also discloses pharmaceutical and/or probiotic/prebiotic compositions, functional foods, mouthwashes, toothpaste, chewing gum, etc, that comprise at least one of the strains and/or at least one of the bioactive peptides described in the invention, or a combination thereof, which are useful in the treatment and/or prevention of infectious diseases of the buccal cavity, preferably caries.

No. of Pages: 63 No. of Claims: 71

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: METHOD AND APPARATUS FOR TREATING A BED OF PARTICULATED MATERIAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:PA 2010 00810 :10/09/2010 :Denmark	(71)Name of Applicant:  1)F^NS COMPANIES APS  Address of Applicant: Glenstrup S, vej 1 DK 8990 Frup Denmark (72)Name of Inventor:  1)F^NS Mogens Juhl
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Device for use in a bottom construction of a bed for cooling particulate material where said device comprises a frame comprising means for fastening said device to the bottom construction and where inside the frame a primary and a secondary opening is provided where said primary and secondary openings allows cooling air to pass through the frame and thereby through the bottom and through the bed of particulate material and where a pendulum plate is pivotably arranged on an axle such that the pendulum plate may pivot and thereby block off more or less of the primary opening and where said pendulum plate is biased towards a position allowing the primary opening to be as open as possible.

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

(21) Application No.2499/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: STRETCH AND BAKE FOOD ITEM TRAY

(33) Name of priority country :U.S.A. Switzerland (72) Name of Inventor:

PCT/EP2011/067856
iling Date

:PCT/EP2011/067856
:13/10/2011

:PCT/EP2011/067856
:13/10/2011

:PCT/EP2011/067856
:1)RADLEY Geoffrey
2)HUFFMAN Samuel

(87) International Publication :WO 2012/049233 3)BELSER Deborah

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

(62) Divisional to Application Number :NA

Filing Date :NA

# (57) Abstract:

The present invention relates to a consumer friendly ready to bake food item containment product (100) containing a food item (104) disposed on a planar sheet (102) of ovenable material wherein the sheet has a compact configuration for shipping and storage that is capable of being transformed to an expanded configuration in which the food item portions are arranged in spaced locations on the sheet in position for baking into the individual baked food item products. The present invention also relates to a method for preparing individual food item portions for baking wherein a plurality of food item portions are disposed on a planar sheet of ovenable material capable of being transformed from the compact configuration to a flat planar configuration and changing the sheet from the compact configuration to the flat planar configuration to arrange the food item portions on the sheet for baking. The food items may include appetizers entrees or dessert type items including sweet doughs.

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

(21) Application No.2500/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: ERGONOMIC HANDLE WITH USER INTERFACE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:06/09/2011 :WO 2012/032019 :NA :NA :NA	(71)Name of Applicant:  1)NESTEC S.A.  Address of Applicant :Av. Nestl 55 CH 1800 Vevey Switzerland (72)Name of Inventor:  1)AGON Fabien Ludovic
Filing Date	:NA	

### (57) Abstract:

A machine (1) for preparing a beverage comprises: a handle (10 12) having a drive portion (12) arranged to be contacted and driven by a human hand to move the handle into a beverage preparation position; and a user interface (20a) for initiating beverage preparation. This drive portion comprises this user interface.

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

(21) Application No.2501/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention: CONTAINER FOR RETENTION OF SHRINK WRAP

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:30/08/2011 :WO 2012/036724 :NA	(71)Name of Applicant:  1)NESTEC S.A.  Address of Applicant: Avenue Nestle 55 CH 1800 Vevey Switzerland (72)Name of Inventor:  1)URUSHIDANI Yukihiro 2)BAILEY Ronald R.
(61) Patent of Addition to Application		2)BAILEY Ronald R.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A container adapted for holding shrink wrap in place without the use of adhesives. The shrink wrap is held in place by at least one protuberance on the sides or bottom of the container. The protuberance has a particular design in relationship to the sides or bottom of the container that prevents slippage of the shrink wrap. Also disclosed is a container system for consumable products comprising the aforementioned container at least one lid and a shrink wrap.

No. of Pages: 22 No. of Claims: 34

(21) Application No.2422/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/03/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: TOUCH PANEL DEVICE AND DISPLAY DEVICE WITH TOUCH PANEL DEVICE

(51) International classification :G06F3/041,G06F3/044 (71)Name of Applicant : (31) Priority Document No 1)TEIJIN CHEMICALS LTD. :2010200753 (32) Priority Date Address of Applicant: 2 1 Kasumigaseki 3 chome Chiyoda ku :08/09/2010 (33) Name of priority country Tokyo 1000013 Japan :Japan (86) International Application No :PCT/JP2011/070510 (72)Name of Inventor: 1)IMAMURA Koichi Filing Date :08/09/2011 (87) International Publication No :WO 2012/033169 2)ITO Haruhiko (61) Patent of Addition to Application 3)IKEDA Koki :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

Provided is a touch panel device which prevents a problem such as generation of Newtons rings even if an 5 air layer between the touch panel device and a display device has a small thickness. This capacitance type touch panel device (100) includes: a protective transparent base (10) having an observation-side surface and a display device-side surface; and two polymer films with 10 position detection electrode layers (20b, 22; 30b, 32) which are arranged on the display device-side surface of the protective transparent base. The difference between the minimum value and the maximum value of the linear expansion coefficients in the surface direction of all 15 the polymer films (20b; 30b) arranged on the display device-side surface of the protective transparent base is IO.OxIO-6 cm/cm.°C or below. Furthermore, the display device with a touch panel device (100, 200, 300) according to the present invention has such a touch panel 2 0 device.

No. of Pages: 37 No. of Claims: 5

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: ANALYTICAL METHODS FOR CELL FREE NUCLEIC ACIDS AND APPLICATIONS

(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	C12Q1/68 :10305952.3 :03/09/2010 :EPO :PCT/EP2011/065333 :05/09/2011 :WO 2012/028746 :NA :NA	(71)Name of Applicant:  1)CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)  Address of Applicant: 3 rue Michel Ange F 75016 Paris France (72)Name of Inventor:  1)THIERRY Alain 2)MOLINA Franck
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#### (57) Abstract:

The present invention is directed to an in vitro method of detecting cell free nucleic acids preferably cell free DNA (cfDNA) in a body fluid sample from an individual or a patient wherein the method comprises the step of accurately and sensitively determining the concentration of cell free nucleic acid in the sample and/or determining the concentration or amount of said cell free nucleic acid of a size range and/or the index of integrity or size fraction ratio (SFR) of said cell free nucleic acid and/or the determination of the presence of genetic polymorphisms (such as known Single Nucleotide Polymorphisms (SNPs) or mutations). The invention encompasses also a method to discriminate body fluid individuals where cfDNA are highly released by comparing the size profile obtained for at least one of three size ranges of cfDNA. The invention also encompasses a method for analysing cell free nucleic acids in individuals for the diagnosis prognosis or for assessing the evolution of a physiological state such as the progression of a tumor or metastatic cancer for monitoring the efficacy of a cancer treatment in a patient or for theragnostic purposes implementing the analysis of these biomarkers.

No. of Pages: 165 No. of Claims: 32

(19) INDIA

(22) Date of filing of Application :20/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: SPEECH COMPARISON

(51) International classification :H04M3/22,G10L15/26 (71)Name of Applicant :

(31) Priority Document No :10251705.9 (32) Priority Date :30/09/2010 :EPO

(33) Name of priority country

(86) International Application No :PCT/GB2011/001399 Filing Date :27/09/2011

(87) International Publication No :WO 2012/042200

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

1)BRITISH TELECOMMUNICATIONS PUBLIC

(21) Application No.2505/DELNP/2013 A

LIMITED COMPANY

Address of Applicant: 81 Newgate Street London EC1A 7AJ

(72)Name of Inventor:

1)PAWLEWSKI Mark

#### (57) Abstract:

Fraudulent callers that masquerade as legitimate callers in order to discover details of bank accounts or other accounts are an increasing problem. In order to detect possible fraudsters and preventing them from obtaining such details a method and system is proposed that transform the recorded speech of a batch of incoming calls to strings of phonemes or text. Thereafter similar speech patterns such as distinct similar phrases or wording in the recorded speech are determined and calls having similar speech patterns and preferably also similar acoustic properties are grouped together and identified as being from the same fraudulent caller. Transactions initiated by the fraudulent caller can as a result be stopped and preferably a voiceprint of the fraudulent caller s speech is generated and stored in a database for further use.

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

(21) Application No.2506/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: PENTOSE AND GLUCOSE FERMENTING YEAST CELL

(51) International classification :C12N1/18,C12N9/12,C12P7/08 (71)Name of Applicant : (31) Priority Document No :10075710.3 (32) Priority Date :13/10/2010

(33) Name of priority country :EPO

(86) International Application No: PCT/EP2011/067720

Filing Date :11/10/2011

(87) International Publication No: WO 2012/049170

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

Number :NA Filing Date

1)DSM IP ASSETS B.V.

Address of Applicant :Het Overloon 1 NL 6411 TE Heerlen

Netherlands

(72)Name of Inventor:

1)WISSELINK Hendrik Wouter

2)VAN MARIS Antonius Jeroen Adriaan

3)PRONK JacobusThomas

#### (57) Abstract:

The present invention relates to a yeast cell comprising one or more exogenous genes of a pentose metabolic pathway non native to the yeast cell wherein the yeast cell has a disruption of the and native in the yeast cell. The invention further relates to pentose and glucose fermenting yeast cell that is capable of simultaneous pentose and glucose consumption.

No. of Pages: 132 No. of Claims: 12

(21) Application No.2396/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: HIGH PRESSURE PUMP FOR A FUEL INJECTION DEVICE

(32) Priority Date :15/10 (33) Name of priority country :Germ (86) International Application No :PCT/ Filing Date :07/09	010 042 484.6 1)ROBERT BOSCH GMBH 0/2010 Address of Applicant :Postfach 30 02 20 70442 Stuttgart
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#### (57) Abstract:

The invention relates to a high-pressure pump (1) of a fuel injection device, which can be used in particular for a common rail injection device of an internal combustion engine. The high-pressure pump (1) comprises a pump shaft or drive shaft, which is connected to an eccentric (6) in a rotationally rigid manner, and at least one pump element (8). The pump element (8), including a bucket tappet (13), a piston element (12) and a tappet spring (14), is inserted into a housing bore (16) of an engine block (3). The bucket tappet (13), on which the tappet spring (14) acts, is connected to the piston element (12), which is guided such that it can be moved in a reciprocating manner in a cylinder bore (19) of a shaft section (20) and which delimits a pump working chamber (21) connected to a suction valve (22) and a high-pressure valve (23). A drive connection between the bucket tappet (13) and the eccentric (6) comprises a running ring (9) rotatably mounted on the eccentric (6), on which the sliding plate (18) of the bucket tappet (13) is supported in a force-closed manner.

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

(21) Application No.2397/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: ORGANIC SEMICONDUCTORS AS WINDOW LAYERS FOR INORGANIC SOLAR CELLS

(51) International :H01L31/0216,H01L31/0224,H01L31/0304 classification

(31) Priority :61/382885 Document No (32) Priority Date :14/09/2010 (33) Name of priority

:U.S.A. country

(86) International :PCT/US2011/051605 Application No

:14/09/2011 Filing Date

(87) International :WO 2012/037260 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) THE REGENTS OF THE UNIVERSITY OF MICHIGAN Address of Applicant :Office Of Technology Transfer 1214 South University Ave. 2nd Floor Ann Arbor Michigan 48109

2590 U.S.A.

(72)Name of Inventor: 1)FORREST Stephen R.

2)LI Ning

#### (57) Abstract:

The present disclosure relates to a device comprising: an anode; a cathode; an inorganic substrate; and at least one organic window layer positioned between: the anode and the inorganic substrate; or the cathode and the inorganic substrate. There is also disclosed a method of enhancing the performance of a photosensitive device having an anode a cathode and an inorganic substrate the method comprising: positioning at least one organic window layer e.g PTCDA between the anode and the cathode. In one embodiment the organic window layer may absorb light and generate excitons that migrate to the inorganic where they convert to photocurrent thereby increasing the efficiency of the device. There is also disclosed a method of enhancing Schottky barrier height of a photosensitive device the method being substantially similar to the previously defined method in that it relies on positioning at least one organic window layer between the anode and the inorganic substrate; or the cathode and the inorganic substrate.

No. of Pages: 39 No. of Claims: 34

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: PUMP TRUCK AND METHOD AND DEVICE FOR CONTROLLING SAME

(51) International classification	:E04G21/02	(71)Name of Applicant:
(31) Priority Document No	:201110197427.1	1)ZOOMLION HEAVY INDUSTRY SCIENCE AND
(32) Priority Date	:14/07/2011	TECHNOLOGY CO. LTD.
(33) Name of priority country	:China	Address of Applicant :No. 361 Yinpen South Road Yuelu
(86) International Application No	:PCT/CN2011/080899	District Changsha Hunan 410013 China
Filing Date	:18/10/2011	2)HUNAN ZOOMLION SPECIAL VEHICLE CO. LTD.
(87) International Publication No	:WO 2013/007069	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)WU Binxing
Number		2)LI Xuejun
Filing Date	:NA	3)YI Weichun
(62) Divisional to Application Number	:NA	4)LI Kuifang
Filing Date	:NA	5)YUE Hongxu
I fillig Date	.11/1	5)1 OE Hongau

#### (57) Abstract:

A pump truck and a method for controlling same and a pump truck control device. The pump truck control method comprises: acquiring the extension range of four legs (1 2) of a pump truck; determining the end points of the four legs (1 2) based on the extension range and connecting the end points of the four legs (1 2) to determine the safe working boundary (7) of the pump truck; calculating the metacentre (6) of the entire pump truck according to the gravitational force of the undercarriage of the pump truck the barycentric coordinates of the undercarriage and the gravitational force of the entire pump truck; calculating the centre of gravity (5) of the entire pump truck according to the gravitational force of the undercarriage of the pump truck the gravitational force of the limbs of the pump truck the gravitational force of the entire pump truck the barycentric coordinates of the limbs of the pump truck and the barycentric coordinates of the undercarriage of the pump truck; calculating the safety factor of the pump truck based on the safe working boundary (7) the metacentre (6) of the entire pump truck and the centre of gravity (5) of the entire pump truck; and controlling the pump truck according to the safety factor. Use of the pump truck control method enables the safety of the pump truck to be guaranteed when the legs of the pump truck cannot completely extend.

No. of Pages: 24 No. of Claims: 11

(22) Date of filing of Application :20/03/2013 (43) Publication Date: 31/10/2014

#### (54) Title of the invention: MIXTURES OF CROSSLINKING AGENTS

(51) International

:C08G12/40,C08G12/12,C08G14/08

classification

(31) Priority Document No :10185094.9 (32) Priority Date :30/09/2010

(33) Name of priority country: EPO

(86) International Application No

:PCT/US2011/053020

Filing Date

:23/09/2011

(87) International Publication :WO 2012/044544

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)CYTEC TECHNOLOGY CORP.

Address of Applicant :300 Delaware Avenue Suite 903

Wilmington DE 19801 U.S.A.

(72)Name of Inventor:

1)GUPTA Ram B.

2)FLOOD Lawrence A.

3)TREASURER Urvee Y

4)LAWLESS Barry A.

5)BROGAN Colin

#### (57) Abstract:

The invention relates to a crosslinker composition comprising a reaction product of a cyclic urea U and a multifunctional aliphatic aldehyde A and at least one crosslinker selected from the group consisting of reaction products of an aminotriazine and at least one aldehyde selected from the group consisting of aliphatic monoaldehydes and multifunctional aliphatic aldehydes having the structure Y(CHO) where Y is an n functional aliphatic residue and n is greater than 1; reaction products of urea and/or cyclic ureas and formaldehyde; alkoxycarbonyl aminotriazines; multifunctional isocyanates which may be partially or completely blocked; reaction products of phenols and aliphatic monoaldehydes; multifunctional epoxides; multifunctional aziridines; and multifunctional carbodiimides wherein any of the crosslinkers which have hydroxyl groups may be etherified with one or more linear branched or cyclic aliphatic alcohols.

No. of Pages: 33 No. of Claims: 16

(19) INDIA

(22) Date of filing of Application :20/03/2013

(21) Application No.2514/DELNP/2013 A

(43) Publication Date: 31/10/2014

# (54) Title of the invention : CARTRIDGE PRINTING MATERIAL SUPPLY SYSTEM PRINTING DEVICE LIQUID STORAGE CONTAINER PRINTING SYSTEM AND TERMINAL CONNECTION STRUCTURE

(51) International classification	:B41J2/175	(71)Name of Applicant:
(31) Priority Document No	:2012005347	1)SEIKO EPSON CORPORATION
(32) Priority Date	:13/01/2012	Address of Applicant :4 1 Nishi shinjuku 2 chome Shinjuku ku
(33) Name of priority country	:Japan	Tokyo 1630811 Japan
(86) International Application No	:PCT/JP2013/000066	(72)Name of Inventor:
Filing Date	:10/01/2013	1)AOKI Yuji
(87) International Publication No	:WO 2013/105504	2)SATOH Hiroshi
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(E7) A1, -44		

### (57) Abstract:

The purpose of the present invention is to provide a technique by which satisfactory contact between a cartridge side terminal group and a device side terminal group is achieved. A printing device is provided with a front surface a back surface a first side surface a second side surface a third side surface a fourth side surface and a recessed portion. The recessed portion has an opening first and second sidewalls and a bottom wall and the bottom wall has an inclined surface inclined in a direction including a minus Y axis direction component and a plus X axis direction component. A cartridge side terminal group is provided on the inclined surface. A first restriction portion that is brought into contact with a first positioning portion in a plus Z axis direction and the plus X axis direction of a device side terminal portion is provided in the first sidewall. A second restriction portion that is brought into contact with a second positioning portion in the plus Z axis direction and a minus X axis direction in the mounted state to thereby restrict the movement in the plus Z axis direction and the minus X axis direction of the device side terminal portion is provided in the second sidewall.

No. of Pages: 192 No. of Claims: 27

(21) Application No.2519/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: DUAL MASS FLYWHEEL 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>	:F16F15/30 :201010275057.4 :08/09/2010 :China :PCT/CN2011/079489 :08/09/2011 :WO 2012/031560 :NA :NA	(71)Name of Applicant:  1)QINGDAO FENGBAO CAR CLUTCH CO. LTD.  Address of Applicant: Fengbao Road 1 Daxin Jimo Town Qingdao Shandong 266229 China (72)Name of Inventor:  1)Liu Tailing 2)Xing Tiemin 3)Jia Yunsheng
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Disclosed i s a dual mass flywheel assembly, characterized in that a bidirectional limiting bridge bearing i s provided between the fly wheel hub and the flywheel driving disc; the outer sleeve of the bidirection al limiting bridge bearing is fixedly connected to the inner end of the fly wheel hub, and the inner sleeve of the bidirectional limiting bridge bearing is fixedly connected to the flywheel driving disc. Vehicles equipped with the dual mass flywheel assembly can achieve seamless gear shifts and are more stable, and the dual mass flywheel assembly can also function as a shock absorber when the vehicle is accelerating, thereby prolonging the ser vice life and improving the safety in operation.

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

(21) Application No.2520/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: SOLAR THERMAL CONCENTRATOR APPARATUS SYSTEM AND METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F24J2/32 :61/385890 :23/09/2010 :U.S.A. :PCT/US2011/053148 :23/09/2011 :WO 2012/040663 :NA :NA :NA	(71)Name of Applicant: 1)WINSTON Roland Address of Applicant:3384 Locksley Court Merced CA 95340 U.S.A. (72)Name of Inventor: 1)WINSTON Roland
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### (57) Abstract:

An apparatus is disclosed including: a trough shaped reflector extending along a longitudinal axis and including at least one reflective surface having a shape which substantially corresponds to an edge ray involute of the absorber.

No. of Pages: 66 No. of Claims: 37

(21) Application No.2432/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention : MEMBRANE HAVING A PORE FREE SEPARATION LAYER AND ALSO USE AND METHOD FOR PRODUCTION OF A MEMBRANE

(51) International classification :B01D71/38,B0 (31) Priority Document No :10177656.5 (32) Priority Date :20/09/2010

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2011/061405 Filing Date :06/07/2011

(87) International Publication No :WO 2012/038110

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

:B01D71/38,B01D61/36 (71)**Name of Applicant :** 

1)SULZER CHEMTECH AG

Address of Applicant :Sulzer Allee 48 CH 8404 Winterthur

Switzerland

(72)Name of Inventor: 1)FRANIA Michael 2)HBNER Andreas

3)MAUS Eva

#### (57) Abstract:

The invention relates to a membrane having a pore-free separating layer including a polymer mixture for separating simple alcohols and water from 5 their mixtures with other organic fluids by means of pervaporation or vapor permeation. In accordance with the invention, the polymer mixture is composed of at least two polymer components which are taken from the group of polymer components which includes of the following polymer components: Polyvinyl alcohol, other polymers such as poly N-N- 10 dimethylaminoethyl methacrylate (poly DMAEMA), a copolymer of DMAEMA and N-vinyl pyrrolidone (NVP) or of DMAEMA and N-vinyl caprolactam (NVCL), a terpolymer of DMAE, NVP and NVCL or of vinyl acetate ethylene vinyl chloride or from vinyl chloride ethylene acrylic ester or from vinyl acetate vinyl chloride acrylic ester. The invention further 15 relates to the use and to a method for manufacturing a membrane in accordance with the invention.

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

(21) Application No.2433/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: EXCEPTION CONTROL IN A MULTIPROCESSOR SYSTEM

(51) International classification :G06F13/24,G06F15/16 (71)Name of Applicant : (31) Priority Document No 1)ARM LIMITED :1017853.1 (32) Priority Date Address of Applicant :110 Fulbourn Road Cherry Hinton :22/10/2010 (33) Name of priority country Cambridge CB1 9NJ U.K. :U.K. (86) International Application No :PCT/GB2011/051593 (72)Name of Inventor: 1)JONES Simon Filing Date :24/08/2011 (87) International Publication No :WO 2012/052733 2)TAPPLY Joe Dominic Michael (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

# (57) Abstract:

A data processing apparatus is provided with a plurality of processing units (4 to 18; 32 to 38) executing respective streams of program instructions corresponding to respective processing threads. Exception control circuitry (20 42) controls exception processing for a group of the processing unit in response to an exception triggering event. Each of the processing units moves only once and in sequence between normal in exception and done exception states in response to a given exception event. A group of processing units moves in sequence between states normal triggering and completing in response to the exception event. A counter value is used to track the number of processing units which have entered exception processing and then to track the number of processing units which have completed their exception processing.

No. of Pages: 26 No. of Claims: 20

(21) Application No.2528/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : A METHOD FOR DETECTING QUANTIFYING AND MAPPING DAMAGE AND/OR REPAIR OF DNA STRANDS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:22/09/2011 :WO 2012/038831 :NA :NA	(71)Name of Applicant:  1)GENOMIC VISION  Address of Applicant: 80 84 rue des Meuniers F 92220  Bagneux France (72)Name of Inventor:  1)CINQUE Lucia 2)BENSIMON Aaron
Filing Date	:NA :NA	

#### (57) Abstract:

Methods and products for detecting in vitro the presence of damage on DNA or the presence of a biological response to damage on DNA at the molecular level. Molecular Combing or other nucleic acid stretching methods are employed together with compounds reacting with DNA, probes binding DNA, or nucleic acid monomers, especially labeled nucleic acid monomers.

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

(19) INDIA

(22) Date of filing of Application :21/03/2013

(21) Application No.2529/DELNP/2013 A

(43) Publication Date: 31/10/2014

(54) Title of the invention: PREDICTIVE IMAGE CODING DEVICE PREDICTIVE IMAGE CODING METHOD PREDICTIVE IMAGE CODING PROGRAM PREDICTIVE IMAGE DECODING DEVICE PREDICTIVE IMAGE DECODING METHOD AND PREDICTIVE IMAGE DECODING 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 Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:29/09/2011 :WO 2012/046637 :NA :NA	(71)Name of Applicant:  1)NTT DOCOMO INC.  Address of Applicant: 11 1 Nagatacho 2 chome Chiyoda ku Tokyo 1006150 Japan (72)Name of Inventor:  1)SUZUKI Yoshinori 2)BOON Choong Seng 3)TAN Thiow Keng
(62) Divisional to Application Number Filing Date	:NA :NA	
/		

### (57) Abstract:

In the disclosed predictive image cod ing method, multiple sets of motion information are stored in a motion information recording means, and one or more pairs comprising two of said sets of motion information having different structural element values are derived. Using the two sets of motion information of a pair selected from said one or more pairs, a predictive signal of a target region in an image is generated by means of motion compensation. The two sets of motion information of said selected pair are stored in the motion information recording means for generation of predictive signals of other regions.

No. of Pages: 79 No. of Claims: 14

(22) Date of filing of Application :21/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: METHOD AND APPARATUS FOR CONTROLLING INTERFERENCE IN DSL SYSTEMS

(51) International classification :H04B3/32,H04B3/46,H04L25/03 (71)Name of Applicant: (31) Priority Document No :12/896372 1)ALCATEL LUCENT (32) Priority Date :01/10/2010 Address of Applicant: 3 avenue Octave Grard F 75007 Paris (33) Name of priority country :U.S.A. (86) International Application (72)Name of Inventor: :PCT/US2011/052706 No 1)NUZMAN Carl J. :22/09/2011 Filing Date 2)DE LIND VAN WIJNGAARDEN Adriaan J. (87) International Publication :WO 2012/044513 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

An access node of a communication system is configured to control crosstalk between an activating channel associated with a first network terminal of a communication system and active channels associated with respective other network terminals of the system. The access node detects a control signal sent by the first network terminal over the activating channel in a designated phase of an initialization process of the first network terminal determines an error signal from the detected control signal correlates the error signal with one or more corresponding signals sent by respective ones of the other network terminals over the active channels estimates crosstalk from the active channels into the activating channel based on the correlation and configures a vectoring signal processing module to control the estimated crosstalk. The control signal sent by the first network terminal comprises a value that is selected by the first network terminal from a set of two or more values and prior to its detection the particular selected value is unknown to the access node.

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

(21) Application No.2312/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 14/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: ENHANCEMENT OF POTATO TUBER SPROUTING INHIBITORS USING VARIOUS COMBINATIONS OF AGENTS

(51) International :A01N35/00,A01N35/02,A01P21/00

classification (31) Priority Document No :61/379473

(32) Priority Date :02/09/2010 (33) Name of priority country: U.S.A.

(86) International :PCT/US2011/050286

Application No :02/09/2011 Filing Date

(87) International Publication :WO 2012/031174

(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) WASHINGTON STATE UNIVERSITY RESEARCH

**FOUNDATION** 

Address of Applicant :1610 N.E. Eastgate Blvd. Suite 650

Pullman WA 99163Q U.S.A. (72)Name of Inventor:

1)KNOWLES Lisa

2)KNOWLES Norman R.

# (57) Abstract:

Compositions and methods for inhibiting the sprouting of potato tubers are provided. The compositions comprise combiantions of i) a unsaturated aliphatic aldehydes and ketones C3 to. C14 aliphatic aldehydes and ketones and/or C3 to C7 saturated or unsaturated primary and secondary aliphatic alcohols; and 2) conventional sprout Inhibitors The effect of the combinations is additive and/or synergistic and less of the conventional inhibitor is required to achieve the same or improved levels of sprout inhibition.

No. of Pages: 27 No. of Claims: 12

(21) Application No.2313/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 14/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: ISOTOPIC CARBON CHOLINE ANALOGS

(51) International :C07C213/00,C07C213/02,C07C213/06 classification

(31) Priority Document :61/384895

No

(32) Priority Date :21/09/2010 (33) Name of priority :U.S.A.

country

(86) International

:PCT/US2011/052275 Application No :20/09/2011

Filing Date

(87) International :WO 2012/040151 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)GE HEALTHCARE LIMITED

Address of Applicant : Amersham Place Little Chalfont

Buckinghamshire HP7 9NA U.K.

2)IMPERIAL COLLEGE

3)MEDI PHYSICS INC.

(72)Name of Inventor:

1)ABOAGYE Eric Ofori

2)ROBINS Edward George

3)SMITH Graham

4)LUTHRA Sajinder

### (57) Abstract:

Novel choline derived radiotracer (s) having an isotopic carbon for Positron Emission Tomography (PET) or Single Photon Emission Computed Tomography (SPECT) imaging of disease states related to altered choline metabolism (e.g. tumor imaging of prostate breast brain esophageal ovarian endometrial lung and prostate cancer primary tumor nodal disease or metastases).

No. of Pages: 97 No. of Claims: 8

(22) Date of filing of Application :21/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: SHIFT ARRANGEMENT FOR A GEAR CHANGE TRANSMISSION

(51) International classification :F16H63/32,F16H63/20 (71)Name of Applicant : (31) Priority Document No 1)SCHAEFFLER TECHNOLOGIES AG & CO. KG :10 2010 046 160.1 (32) Priority Date Address of Applicant: Industriestrae 1 3 91074 :21/09/2010 (33) Name of priority country Herzogenaurach Germany :Germany :PCT/EP2011/060229 (86) International Application No (72)Name of Inventor: 1)FEUERBACH Matthias Filing Date :20/06/2011 :WO 2012/038107 (87) International Publication No 2)L-FFELMANN Jochen (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

# (57) Abstract:

The invention relates to a shift arrangement (1) for a gear change transmission which arrangement has: a selector shaft (2) comprising a shift element (3); and a gearshift fork (5) with selector jaws (6). The shift element (3) can be brought into engagement in a guide channel (16) in the selector jaws (6) such that the gearshift fork (5) can be moved as a result of rotation of the selector shaft (2) the guide channel (16) having in the direction of the selector shaft (2) a constriction (Z) of which the diameter is smaller than that of the shift element (3).

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

(21) Application No.2533/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: LONGITUDINAL ADJUSTOR FOR A VEHICLE SEAT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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 2010 049 542.5 :21/10/2010 :Germany	(71)Name of Applicant:  1)KEIPER GMBH & CO. KG Address of Applicant: Hertelsbrunnenring 2 67657  Kaiserslautern Germany (72)Name of Inventor:  1)DILL Thomas 2)HAMMANN Heinrich 3)ENNS Viktor
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In a longitudinal adjustor for a vehicle seat having a first seat rail (5) and a second seat rail (8) which engage around one another to form a rail profile and can be moved relative to one another in the longitudinal direction, and a rail locking means (10) which can lock the seat rails (5, 8) to one another and which is arranged at least for the most part within the rail profile formed by the seat rails (5, 8), an activation arrangement (11) is provided for activating an unlocking unit (30), wherein the unlocking unit (30) is arranged at least for the most part within the rail profile formed by the seat rails (5, 8), wherein a forcetransmitting element (35) is provided which connects the activation arrangement (11) to the unlocking unit (30), there is provision that the force-transmitting element (35) is inserted by one end from the side into the second seat rail (8), extends into the rail profile of the second seat rail (8) or through the latter and interacts with the unlocking unit (30) within the second seat rail (8), wherein a positively locking connection is provided between the force-transmitting element (35) and the unlocking unit (30), and that the force-transmitting element (35) serves simultaneously for mounting the activation arrangement (11) in a pivotable fashion.

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

(21) Application No.2534/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: IMPROVED PROCESS FOR PRODUCTION OF RECOMBINANT HUMAN GROWTH HORMONE

(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	:C07K14/61,C12N1/20,C12N1/38 :10177997.3 :21/09/2010 :EPO :PCT/IB2011/002348 :20/09/2011 :WO 2012/038822 :NA :NA	(71)Name of Applicant: 1)FERRING B.V. Address of Applicant: Polaris Avenue 144 NL 2132 JX Hoofddorp Netherlands (72)Name of Inventor: 1)KANNER Dov 2)SCHMELL Eli
Filing Date	:NA	

(57) Abstract:

The subject invention provides an improved process for the production of human growth hormone.

No. of Pages: 15 No. of Claims: 16

(19) INDIA

(22) Date of filing of Application :21/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: VACUUM INTERRUPTER FOR A CIRCUIT BREAKER ARRANGEMENT

(51) International classification :H01H33/12,H0 (31) Priority Document No :10010462.9 (32) Priority Date :24/09/2010 :EPO

(86) International Application No :PCT/EP2011/004776 Filing Date :23/09/2011

(87) International Publication No :WO 2012/038092

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

:H01H33/12,H01H33/664 (71)**Name of Applicant :** :10010462.9 **1)ABB TECHNOLOGY AG** 

Address of Applicant : Affolternstrasse 44 CH 8050 Z1/4rich

Switzerland

(72)Name of Inventor:1)GENTSCH Dietmar2)DELACHAUX Thierry3)LAMARA Tarek

(57) Abstract:

A vacuum interrupter for a circuit breaker arrangement comprising a cylindrically shaped insulating part (1) within which a pair of electrical contact parts (2a 2b) are coaxially arranged and concentrical surrounded by the insulating part (1) wherein the electrical contact parts (2a 2b) comprise means for initiating a disconnection arc only between corresponding inner contact elements (8a 8b) after starting a disconnection process and corresponding outer contact elements (9a 9b) comprise means for commutate said arc from the inner contact elements (8a 8b) to the outer contact elements (9a 9b) until the disconnection process is completed wherein each inner electrical contact element (8a;8b) is designed as a TMF like contact element for generating mainly a transverse magnetic field and each outer electrical contact element (9a;9b) is designed as an AMF like contact element for generating mainly an axial magnetic field.

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

(21) Application No.2560/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/03/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: STEEL COMPONENT FOR MECHANICAL STRUCTURAL USE AND MANUFACTURING METHOD FOR SAME

(51) International classification :C22C38/00,B21J1/06,C21D8/00 (71)Name of Applicant:

(31) Priority Document No :2011118351 (32) Priority Date :26/05/2011

(33) Name of priority country :Japan

(86) International Application :PCT/JP2012/063518

:25/05/2012 Filing Date

(87) International Publication No: WO 2012/161323

(61) Patent of Addition to  $\cdot NA$ **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)TERAMOTO Shinva

2)TAKADA Hiromasa 3)KUBOTA Manabu

#### (57) Abstract:

Provided is a steel component for mechanical structural use having increased iatigue resistance and toughness without any reduction in machinability; also provided is a manufacturing method for the same. A steel component: is formed from steel which includes, i n mass%, 0.05-0.20% C, 0.10-1.00% Si, 0.75-3.00% Mn, 0.001 -0.050% P, 0.001-0.200% S, more than 0.25-0.50% V, 0.01-1.00% Cr. 0.001-0.500% Al, and 0.0080-0.0200% N, with the remainder being F e and unavoidable impurities. The steel structure is at least 95% bainite structure, in terms of area ratio; the width of the bainitic lath is not more than ih; V carbide having an average particle diameter of 4-7nm i s dispersed ana i s present i n the bainite structure; and the area ratio of the V carbide in the bainite structure i s at least 0.18%

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

(21) Application No.2561/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/03/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: STEEL COMPONENT FOR MECHANICAL STRUCTURAL USE AND MANUFACTURING METHOD FOR SAME

(51) International classification :C22C38/00,B21J1/06,C21D8/00 (71)Name of Applicant:

:NA

(31) Priority Document No :2011118350 (32) Priority Date :26/05/2011

(33) Name of priority country :Japan

(86) International Application

:PCT/JP2012/063515 :25/05/2012 Filing Date

(87) International Publication No: WO 2012/161322

(61) Patent of Addition to  $\cdot NA$ **Application Number** 

:NA Filing Date

(62) Divisional to Application :NA Number

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)TERAMOTO Shinva 2)TAKADA Hiromasa

3)KUBOTA Manabu

#### (57) Abstract:

Provided is a steel component for mechanical structural use having increased iatigue resistance and toughness without any reduction in machinability; also provided is a manufacturing method for the same. A steel component is formed fiOm steel which includes, in mass%, 0.05-0.20% C, 0.10-1.00% Si, 0.75-3.00% Mn, 0.001-0.050% P, 0.001-0.200% S, 0.05-0.20% V, 0.01-1.00% Cr, 0.001-0.050% P, 0.001-0.200% S, 0.05-0.20% V, 0.001-0.050% P, 0.500% Al, and 0.0080-0.0200% N, with the remainder being F e and unavoidable impurities. The steel struc ture is at least 95% bainite structure, in terms of area ratio; the width of the bainitic lath is not more than ih; V carbide having an average particle diameter of 4-7nm is dispersed and is present in the bainite structure; and the area ratio of the V carbide in the bain ite structure is at least 0.18%

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

(19) INDIA

(22) Date of filing of Application :21/03/2013 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: DISPOSABLE ENDOSCOPIC ACCESS DEVICE AND PORTABLE DISPLAY

(51) International classification: A61B1/00,A61B1/012,A61B1/04 (71) Name of Applicant: (31) Priority Document No :12/884363 1)VIVID MEDICAL INC. (32) Priority Date :17/09/2010 Address of Applicant: 1023 Corporation Way Palo Alto CA (33) Name of priority country 94303 U.S.A. :U.S.A. (86) International Application (72)Name of Inventor: :PCT/US2011/052039 1)FARR Ali No :16/09/2011 Filing Date 2)FARR Mina (87) International Publication 3)TOGAMI Chris :WO 2012/037525 4)FARR Laleh (61) Patent of Addition to :NA **Application Number** :NA

(57) Abstract:

Number

Filing Date

Filing Date

(62) Divisional to Application

:NA

:NA

Various embodiments for providing removable pluggable and disposable optoelectronic modules for illumination and imaging for endoscopy or borescopy are provided for use with portable display devices. Generally various rigid flexible or expandable single use medical or industrial devices with an access channel can include one or more solid state or other compact electro optic illuminating elements located thereon. Additionally such opto electronic modules may include illuminating optics imaging optics and/or image capture devices and airtight means for suction and delivery within the device. The illuminating elements may have different wavelengths and can be time synchronized with an image sensor to illuminate an object for 2D and 3D imaging or for certain diagnostic purposes.

No. of Pages: 51 No. of Claims: 40

(21) Application No.2429/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/03/2013

(43) Publication Date: 31/10/2014

## (54) Title of the invention: DOCK AND LOCK (DNL) CONSTRUCTS FOR HUMAN IMMUNODEFICIENCY VIRUS (HIV) **THERAPY**

(51) International classification :A61K39/00,A61K39/42 (71)Name of Applicant : (31) Priority Document No :61/409740 (32) Priority Date :03/11/2010 (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2011/059056 Filing Date :03/11/2011

(87) International Publication No :WO 2012/061548

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

1) IBC PHARMACEUTICALS INC.

Address of Applicant: 300 American Road Morris Plains New

Jersey 07950 U.S.A. (72)Name of Inventor:

1)CHANG Chien Hsing 2)GOLDENBERG David M.

#### (57) Abstract:

The present invention concerns methods and compositions for treatment of HIV infection in a subject utilizing a DNL complex comprising at least one anti HIV therapeutic agent attached to an antibody antibody fragment or PEG. In a preferred embodiment the antibody or fragment binds to an antigen selected from gp120 gp41 CD4 and CCR5. In a more preferred embodiment the antibody is P4/D10 or 2G12 although other anti HIV antibodies are known and may be utilized. In a most preferred embodiment the anti HIV therapeutic agent is a fusion inhibitor such as T20 T61 T651 T1249 T2635 CP32M or T 1444 although other anti HIV therapeutic agents are known and may be utilized. The DNL complex may be administered alone or may be co administered with one or more additional anti HIV therapeutic agents.

No. of Pages: 145 No. of Claims: 34

(21) Application No.2538/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: APPARATUS FOR UTILIZING WASTE HEAT FROM INTERNAL COMBUSTION ENGINE

(31) Priority Document No	:F02G5/04,F01K23/02,F01K23/10 :2010220987	1)SANDEN CORPORATION
(32) Priority Date	:30/09/2010	Address of Applicant :20 Kotobuki cho Isesaki shi Gunma
(33) Name of priority country	:Japan	3728502 Japan
(86) International Application No Filing Date	:PCT/JP2011/071478 :21/09/2011	(72)Name of Inventor: 1)KANOU Yasuaki 2)KASUYA Junichiro
(87) International Publication No	:WO 2012/043335	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A Rankine circuit (40) includes, as a plurality of heat exchangers, an EGR cooler (36) of an EGR circuit and 5 an exhaust gas heat exchanger (41) associated with an exhaust passage. The EGR cooler and the exhaust gas heat exchanger are arranged such that the EGR cooler is located upstream of the exhaust gas heat exchanger as viewed in the flowing direction of a working fluid in the Rankine 10 circuit. The amount of heat transferred from EGR gas to the working fluid in the EGR cooler is controlled by a control unit (60) so that the temperature of the EGR gas detected by an EGR gas temperature detector (39) may fall within a predetermined temperature range (e.g., 150°C to 15 200°C).

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

(19) INDIA

(22) Date of filing of Application :21/03/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: (AZA)INDOLIZINE DERIVATIVE AND PHARMACEUTICAL USE THEREOF

(51) International :C07D471/04,A61K31/437,A61K31/4985 classification

(31) Priority Document :2010219600

(32) Priority Date :29/09/2010

(33) Name of priority

:Japan country

(86) International :PCT/JP2011/072201 Application No

:28/09/2011 Filing Date

(87) International :WO 2012/043638 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)Kissei Pharmaceutical Co. Ltd.

Address of Applicant: 19 48 Yoshino Matsumoto shi Nagano

3998710 Japan

(72)Name of Inventor: 1)IIZUKA Masato

2)SHIMIZU Kazuo

#### (57) Abstract:

Provided is a compound which is useful as a prophylactic or therapeutic agent for diseases or the like caused by abnormal serum urate level. An (aza)indolizine derivative represented by formula (I), said (aza)indolizine derivative having a xanthine oxidase inhibitory activity and being useful as a prophylactic or therapeutic agent for diseases caused by abnormal serum urate level, a prodrug thereof or a salt, etc. of the same. In formula (I), 0 to 2 of X to X 4 represent a nitrogen atom and the remainder rep resent C R 1; one of T and T 2 represents cyano while the other represents a group represented by formula (A) [pro vided that when T is cyano, at least one of X to X rep resents a nitrogen atom]; independently represent a hydrogen atom, a halogen atom, a hydroxyl group, C i alkyl, Ci. alkoxy, etc.; the ring U represents a benzene ring, etc.; m is an integer of 0 to 2; and R 2s independently represent a fluorine atom, a hydroxyl group, etc.

No. of Pages: 67 No. of Claims: 19

(21) Application No.2540/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: METHODS AND APPARATUS FOR EHNANCED GAS DISTRIBUTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:12/887535 :22/09/2010 :U.S.A. :PCT/US2011/052542 :21/09/2011 :WO 2012/040321 :NA :NA	(71)Name of Applicant:  1)GRUPO PETROTEMEX S.A. DE C.V.  Address of Applicant: Ricardo Margain No. 444 Torre Sur Piso 16 Col. Valle Del Campestre San Pedro Garza Garcia Nuevo Leon 66265 Mexico (72)Name of Inventor:  1)SHAIKH Ashfaq
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Methods and apparatus for introducing a gas into the reaction zone of a reactor. Such methods and apparatus can more evenly distribute the gas throughout the reaction zone. Sparg ers for introducing a gas into the reaction zone of a reactor can be employed in systems and methods for carrying out the liquid-phase oxidation of an oxidizable compound, such as para-xylene.

No. of Pages: 35 No. of Claims: 30

(21) Application No.2567/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/03/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: METHOD FOR PURIFICATION OF COMPLEMENT FACTOR H

(51) International :A61K38/17,C07K1/18,C07K14/435 classification

(31) Priority Document No :10187410.5

(32) Priority Date :13/10/2010

(33) Name of priority :EPO

country

(86) International :PCT/EP2011/067883 Application No

:13/10/2011 Filing Date

(87) International Publication: WO 2012/049245

(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)OCTAPHARMA AG

Address of Applicant : Seidenstrasse 2 CH 8853 Lachen

Switzerland

(72)Name of Inventor:

1)BRANDSTAETTER Hubert

2)SCHULZ Petra 3)ROEMISCH Juergen

## (57) Abstract:

A method for purification of complement Factor H from a complement Factor H containing source such as blood or blood plasma in particular a caprylate precipitate of a Factor H containing source which is e.g. obtained by addition of caprylate ions to fractions of blood or plasma comprising the steps of: a)providing a Factor H containing source in particular reconstitution of caprylate precipitate to provide a complement Factor H containing solution; b)performing a cation exchange chromatography in particular as first chromatographic step; c)performing an anion exchange chromatography; d)performing a hydroxyl apatite chromatography; e)followed by ultra/diafiltration to obtain a complement Factor H concentrate.

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

(21) Application No.2465/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/03/2013

(43) Publication Date: 31/10/2014

## (54) Title of the invention: REACTION PRODUCT OF A CYCLIC UREA AND A MULTIFUNCTIONAL ALDEHYDE

(51) International

:C08G12/36,C08G12/42,C08L61/30

classification

(31) Priority Document No :EP10185088.1 (32) Priority Date :30/09/2010

(33) Name of priority country: EPO

(86) International Application :PCT/US2011/053039

Filing Date

:23/09/2011

(87) International Publication :WO 2012/044547

No

(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) CYTEC TECHNOLOGY CORP.

Address of Applicant :300 Delaware Avenue Suite 903

Wilmington DE 19801 U.S.A.

(72)Name of Inventor:

1)GUPTA Ram B.

2)FLOOD Lawrence A.

3)TREASURER Urvee Y.

4)LAWLESS Barry A.

5)BROGAN Colin

(57) Abstract:

The invention relates to a reaction product UA of at least one cyclic urea U and at least one multifunctional aldehyde A which reaction product has as substituents on the carbonyl carbon atoms of the aldehyde A at least one kind of functional groups selected from the group consisting of hydroxyl groups OH and alkoxy groups OR characterised in that the groups OR comprise at least two kinds of alkoxy groups OR and OR where R and Rare both selected from the group consisting of linear branched or cyclic alkyl groups having from one to twelve carbon atoms where R and R may be the same or may be different from each other to a process of making these and to a method of use as crosslinker in coating compositions.

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

(19) INDIA

(22) Date of filing of Application :20/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: PROCESS FOR THE PREPARATION OF A REACTION PRODUCT OF A CYCLIC UREA AND A MULTIFUNCTIONAL ALDEHYDE

(51) International :C08G12/36,C08G12/42,C08L61/30

classification

(31) Priority Document No :10185090.7 (32) Priority Date :30/09/2010 (33) Name of priority country: EPO

(86) International Application :PCT/US2011/053044 No

:23/09/2011 Filing Date

(87) International Publication :WO 2012/044548

(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)CYTEC TECHNOLOGY CORP.

(21) Application No.2466/DELNP/2013 A

Address of Applicant :300 Delaware Avenue Suite 903

Wilmington DE 19801 U.S.A.

(72)Name of Inventor: 1)GUPTA Ram B.

2)FLOOD Lawrence A.

3)TREASURER Urvee Y.

4)LAWLESS Barry A.

5)BROGAN Colin

#### (57) Abstract:

This invention relates to a process to make a reaction product UA of at least one multifunctional aldehyde A with at least one cyclic urea U by mixing the at least one multifunctional aldehyde A with the at least one cyclic urea U in the presence of at least one alcohol R OH and optionally at least one solvent that has no reactive groups which may react with aldehyde groups CO NH groups or hydroxyl groups to effect an addition reaction to obtain a solution of a product UA where R is selected from the group consisting of linear branched or cyclic alkyl groups having from one to twelve carbon atoms to the reaction product obtained by this process and to a method of use thereof as crosslinker for coating compositions.

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

(19) INDIA

(22) Date of filing of Application :21/03/2013 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: FUEL RAIL MADE OF A PLASTIC MATERIAL WITH A HEATING SYSTEM

(51) International (71)Name of Applicant: :F02M53/02,F02M53/06,F02M55/02 classification 1)ROBERT BOSCH LIMITADA (31) Priority Document No Address of Applicant: Via Anhanguera km 98 Vila Boa Bista :PI10053417 (32) Priority Date :02/12/2010 RBLA/MIT 5° andar CEP: 13065 900 Campinas SP Brazil (33) Name of priority (72)Name of Inventor: :Brazil 1)MOREIRA COLETTO Tulio Italico country (86) International 2)LEPSCH Fernando :PCT/BR2011/000441 Application No 3)VASCONCELOS Alvaro Augusto :30/11/2011 Filing Date (87) International :WO 2012/071637 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 present invention refers to a fuel rail made of plastic material with a heating system (10 100). The said rail is applied mainly in the form of devices for aiding the cold start of engines which consume fuels whose specific vaporization heat is high for example alcohol. The fuel rail made of plastic material with a heating system presents reduced cost and weight and the same functional characteristics if compared to the fuel rails known by the state of the art which are usually made of metal. Furthermore the said fuel rail made of plastic material with a heating system presents internal compartments configured in such a manner that the slidersliders containing slide pins (51 52 53) of the injection mold can be easily removed since there is no formation of negative faces.

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

(19) INDIA

(22) Date of filing of Application: 21/03/2013

(21) Application No.2573/DELNP/2013 A

(43) Publication Date: 31/10/2014

## (54) Title of the invention: 1 2 4 TRIAZOLONE DERIVATIVE

(51) International :C07D249/12,A61K31/4196,A61K31/454 classification

(31) Priority Document :2010224233

(32) Priority Date :01/10/2010 (33) Name of priority :Japan

country

(86) International

:PCT/JP2011/072556 Application No :30/09/2011 Filing Date

(87) International

:WO 2012/043791 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)TAISHO PHARMACEUTICAL CO. LTD.

Address of Applicant: 24 1 Takada 3 chome Toshima ku

Tokyo 1708633 Japan

(72)Name of Inventor:

1)KUWADA Takeshi

2)YOSHINAGA Mitsukane

3)ISHIZAKA Tomoko

4)WAKASUGI Daisuke

5)SHIROKAWA Shin ichi 6)HATTORI Nobutaka

7)SHIMAZAKI Youichi

8)MIYAKOSHI Naoki

#### (57) Abstract:

The present invention provides a 1,2,4-triazolone derivative represented by Formula (1A) having an antagonistic activity on the arginine-vasopressin lb receptor or a pharmaceutically acceptable salt thereof and provides a pharmaceutical composition comprising the compound or the salt as an active ingredient, in particular, a therapeutic or preventive agent exhibiting favorable pharmacokinetics in a disease such as mood disorder, anxiety disorder, schizophrenia, Alzheimers disease, Parkinsons disease, Huntingtons chorea, eating disorder, hypertension, gastrointestinal disease, drug addiction, epilepsy, cerebral infarction, cerebral ischemia, cerebral edema, head injury, inflammation, immunerelated disease, or alopecia.

No. of Pages: 159 No. of Claims: 13

(21) Application No.2371/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: SURGICAL STAPLE CARTRIDGES WITH DETACHABLE SUPPORT STRUCTURES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A61B17/072 :12/894350 :30/09/2010 :U.S.A. :PCT/US2011/053580 :28/09/2011 :WO 2012/044644 :NA :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)ETHICON ENDO SURGERY INC.</li> <li>Address of Applicant: 4545 Creek Road Cincinnati OH 45242</li> <li>U.S.A.</li> <li>(72)Name of Inventor:</li> <li>1)MORGAN Jerome R.</li> <li>2)SHELTON Frederick E.</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Surgical staple cartridges and end effectors for surgical stapling instruments. In various embodiments a cartridge support member is coupled to a portion of an implantable staple cartridge body. The cartridge support member is configured to be removably coupled to an elongated channel portion of a surgical instrument. When the stapling process has been completed the implantable cartridge body remains stapled to the tissue and is separated from the cartridge support member which remains affixed to the elongated channel to provide the surgeon with an indication that no cartridge is present within the elongated channel. In other embodiments a closure lockout arrangement is provided to prevent the advancement of a closure member to a fully fired position when a staple cartridge is not present within the end effector.

No. of Pages: 318 No. of Claims: 20

(21) Application No.2372/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/03/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: BROADLY ABSORBING METALLOPORPHYRIN BASED MULTICHROMOPHORIC ARRAYS FOR TRIPLET HARVESTING

(51) International :H05B33/18,H01L51/00,C09K11/06

classification

(31) Priority Document No :61/381819 (32) Priority Date :10/09/2010 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2011/051078 No

:09/09/2011 Filing Date

(87) International Publication :WO 2012/034066

(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)UNIVERSITY OF SOUTHERN CALIFORNIA

Address of Applicant :1150 South Olive Street Suite 2300 Los

Angeles CA 90015 U.S.A. (72)Name of Inventor:

1)THOMPSON Mark E. 2)WHITED Matthew T. 3)DJUROVICH Peter I.

#### (57) Abstract:

The present disclosure relates to multichromophoric assemblies comprising metalloporphyrin scaffolds. In one embodiment the multichromophoric assemblies described herein may constitute at least part of the active region of an organic photosensitive device such as in the donor acceptor heterojunction of an organic solar cell. The present disclosure also relates in part to methods for generating electric field stabilized geminate polaron pairs comprising applying electric fields to the multichromophoric assemblies described herein or alternatively directly to the metalloporphyrins provided by the present disclosure. The present disclosure further relates in part to multichromophoric assemblies comprising metalloporphyrin scaffolds which exhibit enhanced energy transfer properties.

No. of Pages: 51 No. of Claims: 25

(21) Application No.3464/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/04/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: TRACE COMPONENT REMOVAL IN C02 REMOVAL PROCESSES BY MEANS OF A SEMIPERMEABLE MEMBRANE

(51) International :B01D53/62,B01D53/78,B01D61/02

classification

(31) Priority Document No :10178847.9 :23/09/2010 (32) Priority Date (33) Name of priority country: EPO

(86) International :PCT/IB2011/002136

Application No :14/09/2011 Filing Date

(87) International Publication :WO 2012/038794

(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)ALSTOM TECHNOLOGY LTD

Address of Applicant :Brown Boveri Strasse 7 CH 5400

Baden Switzerland (72)Name of Inventor: 1)BOCKMAN Jon K. 2)KOCH Michael

#### (57) Abstract:

A system (1) for removing carbon dioxide (CO2) from a gas stream by bringing the gas stream into contact with a circulating ammoniated solution stream such that CO2 is absorbed in said ammoniated solution characterized in that the system comprises a membrane purifier (17) said membrane purifier having a first compartment (18) and a second compartment (19) wherein said first and second compartment are separated by a semipermeable membrane (20) a method for removing carbon dioxide (CO2) from a gas stream by bringing the gas stream into contact with a circulating ammoniated solution stream such that CO2 is absorbed in said ammoniated solution said method comprising the step of separating trace components from a circulating solution using a semipermeable membrane and the use of a membrane purifier having a first and a second compartment wherein said first and a second compartments are separated by a semipermeable membrane for reducing the trace component and/or water content of a circulating solution stream in a method or system for removing carbon dioxide (CO2) using a circulating ammoniated solution.

No. of Pages: 27 No. of Claims: 18

(21) Application No.3465/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/04/2013 (43) Publication Date: 31/10/2014

#### (54) Title of the invention: AIR COOLED GENERATOR

(51) International classification :H02K1/24,H02K1/32,H02K3/24 (71)Name of Applicant:

(31) Priority Document No :01526/10 (32) Priority Date :21/09/2010 (33) Name of priority country :Switzerland

(86) International Application :PCT/EP2011/065323

No :05/09/2011 Filing Date

(87) International Publication No:WO 2012/038243

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

:NA Number :NA

Filing Date

1)ALSTOM HYDRO FRANCE

Address of Applicant: 3 avenue Andr. Malraux F 92300

Levallois Perret France (72)Name of Inventor:

1)BAUMEISTER Stefan 2)FRUTIGER Simon Andreas

3)JORDAN Benjamin

#### (57) Abstract:

The invention relates to an air cooled generator through which cooling air flows in order to dissipate lost heat wherein the cooling air flows across interfaces (23) acting as cooling surfaces and in the process takes up the heat from said interfaces (23). With minimal cooling air usage the heat transfer is maximized by providing the interfaces (23) with spatially distributed local elevations (24) which enlarge the cooling surface and the heat transmission coefficient. In particular local elevations in the form of pyramid shaped or truncated pyramid shaped bodies (24 26 29) are preferred.

No. of Pages: 17 No. of Claims: 13

(22) Date of filing of Application: 18/04/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: HEATER AND GLOW PLUG PROVIDED WITH 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> </ul>	:2010240984 :27/10/2010 :Japan :PCT/JP2011/074689 :26/10/2011 :WO 2012/057213 :NA	(71)Name of Applicant:  1)KYOCERA CORPORATION  Address of Applicant: 6 Takeda Tobadono cho Fushimi ku  Kyoto shi Kyoto 6128501 Japan  (72)Name of Inventor:  1)OKAMURATakeshi  2)HIURANorimitsu
	:NA	2)HIURANorimitsu
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(21) Application No.3460/DELNP/2013 A

#### (57) Abstract:

(19) INDIA

To provide a heater and a glow plug provided with the heater wherein generation of micro cracks or the like at joining sections of a resistance element and leads is inhibited even when a large current flows through the resistance element upon a quick rise in the temperature thereof or the like. [Solution] A heater (1) of the present invention is provided with: a resistance element (3) comprising a heating unit (4); leads (8) joined to the end sections of the resistance element (3); and an insulation base body (9) that covers the resistance element (3) and the leads (8). The leads (8) have the external shape thereof become thinner towards the front tip at the heating section side thereof and joining sections of the resistance element (3) and the leads (8) have areas wherein the resistance element (3) is separated from the insulation base body (9) with the leads (8) interposed therebetween when viewed from a cross section perpendicular to the axial direction of the leads (8).

No. of Pages: 55 No. of Claims: 7

(21) Application No.3461/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/04/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: APPARATUS AND METHOD FOR PROCESSING BAGGED REFUSE

(51) International classification :B03B9/06,B07B7/04,B65B69/00 (71) Name of Applicant: (31) Priority Document No :10251632.5 :22/09/2010 (32) Priority Date

(33) Name of priority country :EPO

(86) International Application :PCT/EP2011/066495

:22/09/2011 Filing Date

(87) International Publication

:WO 2012/038502

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

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

(57) Abstract:

1)AVERDA IP B.V.

Address of Applicant : Prins Bernhardplein 200 NL 1097 JB

Amsterdam Netherlands (72)Name of Inventor: 1)SUKKAR Maysarah

There is disclosed a method of processing bagged refuse comprising: pneumatically conveying filled refuse bags along a conduit using an airflow; and opening the bags during pneumatic conveyance along the conduit. There is also disclosed apparatus for carrying out this method the apparatus comprising: a conduit (7) configured to pass an airflow to pneumatically convey bagged refuse along the conduit; and bag opening means (3) arranged to open the refuse bags during pneumatic conveyance along the conduit. There is also disclosed a method of sorting bagged refuse comprising; pneumatically conveying refuse in a conduit using an airflow; and further comprising sorting the opened bagged refuse into fractions using the airflow by passing the refuse across an opening through which the airflow continues. There is also disclosed apparatus for carrying out this sorting method the apparatus comprising; a conduit configured to pass an airflow to pneumatically convey refuse along the conduit; and a wall arranged in the path of travel of the pneumatically conveyed refuse to disaggregate the refuse in use by impacting the refuse against the wall the wall being arranged vertically and at least partly defining an opening through which the airstream continues in use such that a fraction of the refuse falling across the opening is conveyed through the opening. The apparatus and method of sorting bagged refuse are preferably provided as part of the apparatus and method of processing bagged refuse to sort the opened bagged refuse.

No. of Pages: 27 No. of Claims: 41

(19) INDIA

(22) Date of filing of Application :18/04/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: CASES FOR PORTABLE ELECTRONIC DEVICES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:18/10/2011 :WO 2012/052751 :NA	(71)Name of Applicant:  1)LUMINECTRIC LIMITED  Address of Applicant: 5 Sovereign Court 51 Gillingham Street London SW1V 1HS U.K.  (72)Name of Inventor:  1)ELLIS BROWN James
(61) Patent of Addition to Application		
(62) Divisional to Application Number Filing Date	:NA :NA	

(21) Application No.3462/DELNP/2013 A

#### (57) Abstract:

A case for a portable electronic device (especially for an iPhone and the like) comprises a shell (50) an electroluminescent (EL) panel (10) and associated power and control electronics housed on a printed circuit board (20). The electronics on the PCB include a connector (22) for mating with a corresponding connector on the portable electronic device so as to form an electrical connection to a power source in the portable electronic device. Another of the electrical components is There are further provided an inverter (24) and a transformer (26) to convert the low voltage DC power from the portable electronic device into approximately 180 V AC as required to power the EL panel (10). The shell (50) has a clear back (52) through which light produced by the EL panel (10) shines. Interchangeable graphics panels (100) can be slid into a pocket disposed between the EL panel (10) and the back (52) of the shell so as to customise the visual appearance of the case and hence the portable electronic device inside.

No. of Pages: 23 No. of Claims: 18

(21) Application No.2510/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/03/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: COVER MECHANISM FOR OPENING AND CLOSING DEVICE

(51) International classification :H04M1/02,F16C11/04,G06F1/16 (71)Name of Applicant: (31) Priority Document No :2010211522 (32) Priority Date :22/09/2010 (33) Name of priority country :Japan

(86) International Application :PCT/JP2011/071246 No

:16/09/2011 Filing Date

(87) International Publication :WO 2012/039360

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

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

1)MITSUBISHI STEEL MFG. CO.LTD.

Address of Applicant: 2 22 Harumi 3 chome Chuo ku Tokyo

1048550 Japan

(72)Name of Inventor: 1)SAYAMA Hironobu

#### (57) Abstract:

A cover mechanism is provided for an opening and closing device, which includes a fixed plate arranged at a first housing; a moving plate arranged at a second housing; a hinge arm that is arranged between the two plates and rotates to move the moving plate between a closed position where the first and second housings overlap and an open position where surfaces of the first and second is housings are substantially coplanar; and a recess formed at the second housing that prevents the hinge arm from interfering with the second housing in the open position. The cover mechanism includes a cover arranged at the moving plate that covers the recess when the moving plate is positioned at the closed position and moves from the covering position by engaging with and being urged by the rotating hinge arm; and an urging part that urges the cover toward the covering position

No. of Pages: 58 No. of Claims: 4

(19) INDIA

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: MEDICAL DEVICE FOR TREATMENT OF A SINUS OPENING

(51) International classification :A61M25/10,A61M29/02,A61F2/84

(31) Priority Document No :61/385250 (32) Priority Date :22/09/2010

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

(86) International Application :PCT/US2011/049919

Filing Date :31/08/2011

(87) International Publication :WO 2012/039905

No
((1) Potent of Addition to

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

(62) Divisional to Application :NA
Number :NA

Filing Date (57) Abstract :

(71)Name of Applicant: 1)ACCLARENT INC.

Address of Applicant :1525 B Obrien Drive Menlo Park CA

94025 U.S.A.

(72)Name of Inventor:

1)GOLDFARB Eric A.

2) NEWHAUSER Richard R. Jr.

3)JENKINS Thomas R. 4)WHITE John W.

5)CHOW Mina Wai Bing 6)LOH Serena Swei

7)PADER Mei

8)CHAMNESS Scott O. 9)CLAUSON Luke W. 10)NEWELL Matthew B. 11)LIN Arthur M.

A medical device and method for the treatment of a sinus opening includes a handle a guide catheter a guide wire a balloon catheter a guide wire movement mechanism and a balloon catheter movement mechanism. The handle has proximal and distal ends and a longitudinal axis along the length of the handle. The guide catheter is attached to the distal end of the handle and has a catheter lumen. The guide wire and balloon catheter are both disposed at least partially in the handle and catheter lumen. The guide wire movement mechanism and the balloon catheter movement mechanism are both operatively disposed on the handle. In addition the guide wire movement mechanism is configured for advancement and retraction of the guide wire through the handle and catheter lumen by user operation of the guide wire movement mechanism configured for rotation of the guide wire and for securely locking and unlocking the guide wire to the guide wire movement mechanism. Furthermore the balloon catheter movement mechanism is configured for advancement and retraction of the balloon catheter through the handle and catheter lumen by user operation of the balloon catheter movement mechanism.

No. of Pages: 78 No. of Claims: 43

(19) INDIA

(22) Date of filing of Application :18/04/2013

(21) Application No.3470/DELNP/2013 A

(43) Publication Date: 31/10/2014

## (54) Title of the invention: SOUR GELLED 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> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:06/10/2011 :WO 2012/046066 :NA :NA	(71)Name of Applicant:  1)AYANDA GROUP AS  Address of Applicant: Skippergata 47 N 9008 Troms, Norway  2)COCKBAIN Julian (72)Name of Inventor:  1)SIWEK Andrzej
	:NA :NA :NA	

## (57) Abstract:

The invention relates to an orally administrable sour tasting chewable composition in unit dosage form comprising an oil in water emulsion in which the aqueous phase is gelled and comprises at least one physiologically acceptable acid and at least one buffering agent and in which the oil phase comprises a physiologically tolerable unsaturated fatty acid ester.

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

(21) Application No.763/DEL/2009 A

(19) INDIA

(22) Date of filing of Application :15/04/2009 (43) Publication Date : 31/10/2014

## (54) Title of the invention: A PROTECTIVE CASING FOR A HIGH VOLTAGE CABLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:EP 08155452.9 :30/04/2008	(71)Name of Applicant:  1)ABB TECHN OLOGY LTD.  Address of Applicant :AFFOLTERNSTRASSE 44, CH-8050 ZURICH, SWITZERLAND. (72)Name of Inventor:  1)NIKLAS NORDE  2)ANDERS S HANSSON
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#### (57) Abstract:

The invention relates to a protective casing (4) for a joint, termination or cross-connection of at least one high voltage cable (1, 2). The protective casing (4) comprises a first material portion (5, 9) of a first metal material having good strength properties. The protective casing (4) comprises a second material portion (7, 10) of a second metal material which is fixedly attached to the first material portion (5, 9). The second metal material has good soft soldering properties such that it is possible to provide a strong and tight connection between the second material portion (7, 10) of the protective casing (4) and a sheath (la, 2a) of at least one of the cable parts (1, 2) by-means of a soft soldering process.

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

(19) INDIA

(22) Date of filing of Application: 18/04/2013

(21) Application No.3466/DELNP/2013 A

(43) Publication Date: 31/10/2014

## (54) Title of the invention: APPARATUS AND METHOD

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:G01S19/24 :1016079.4 :24/09/2010 :U.K.	(71)Name of Applicant: 1)EUROPEAN UNION Address of Applicant :European Commission Joint Research Centre Scientific Policy and Stakeholder Relations Intellectual
<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>	:PCT/EP2011/066478 :22/09/2011 :WO 2012/038496 :NA :NA :NA	Property and Technology Transfer B 1049 Brussels Belgium (72)Name of Inventor: 1)MATTOS Philip

#### (57) Abstract:

Apparatus comprises: a first correlator configured to correlate a first signal component with a first code to provide a first output said first signal component having a carrier frequency and data; a second correlator configured to correlate a second signal component with a second code to provide a second output said second signal component having the same carrier frequency as the first signal component and the same data as the first signal component said data on the second signal component being delayed with respect to the data on the first signal component; and a processor configured to process the first and second outputs said data on said first output being aligned with the second output to provide frequency information about said carrier.

No. of Pages: 24 No. of Claims: 40

(21) Application No.3467/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/04/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: MUTEINS OF HUMAN LIPOCALIN 2 WITH AFFINITY FOR GLYPICAN 3 (GPC3)

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:15/11/2011 :WO 2012/065978 :NA :NA :NA	(71)Name of Applicant: 1)PIERIS AG Address of Applicant: Lise Meitner Strasse 30 85354 Freising Weihenstephan Germany (72)Name of Inventor: 1)MATSCHINER Gabriele
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to novel specific binding therapeutic and/or diagnostic proteins directed against Glypican 3 (GPC3) which proteins preferably are muteins of a lipocalin protein more preferably of lipocalin 2 (Lcn2 or NGAL). The invention also relates to nucleic acid molecules encoding such proteins and to methods for generation and use of such proteins and nucleic acid molecules. Accordingly the invention also is directed to pharmaceutical and/or diagnostic compositions comprising such lipocalin proteins including uses of these proteins.

No. of Pages: 81 No. of Claims: 63

(21) Application No.3468/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/04/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: METHOD AND SYSTEMS FOR IMPLEMENTING A SECURE BOOT DEVICE USING CRYPTOGRAPHICALLY SECURE COMMUNICATIONS ACROSS UNSECURED NETWORKS

:H04L29/06,G06F21/00 (71)Name of Applicant : (51) International classification (31) Priority Document No :61/389535 (32) Priority Date :04/10/2010 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2011/054716 Filing Date :04/10/2011

(87) International Publication No :WO 2012/067726 (61) Patent of Addition to Application

:NA Number :NA Filing Date

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

1)UNISYS CORPORATION

Address of Applicant: 801 Lakeview Dr. Suite 100 M/S 2NW

Blue Bell PA 19422 U.S.A. (72)Name of Inventor:

1)FARINA Ralph Robert 2)NIETERS Thomas 3)RAJCAN Steven 4)TROCKI Jim

5)VALLEVAND Mark K.

#### (57) Abstract:

A secure boot device method and system for securely connecting a client computer having a secure boot device to a remote server over a communications network are disclosed. The secure boot device includes a housing having an integrated communication interface a controller located within the housing and operatively connected to the communication interface and a memory communicatively connected to the programmable circuit and the communication interface. The memory securely stores program instructions including a boot module a client terminal process module an operating system module and a secure communications interface module. The secure communications interface module includes program instructions for communicating split and encrypted data communicated between a computing system to which the communication interface is connected and a remote computing system.

No. of Pages: 95 No. of Claims: 25

(21) Application No.804/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :28/01/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: EXHAUST GAS TURBOCHARGER

(51) International classification :F02B39/00,F01D25/24,F02B37/12

(31) Priority Document No :102010033532.0 (32) Priority Date :05/08/2010

(33) Name of priority country: Germany

(86) International Application :PCT/US2011/044959

Filing Date :22/07/2011

(87) International Publication :WO 2012/018554

No

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

(62) Divisional to Application
Number
:NA

Filing Date

(71)Name of Applicant: 1)BORGWARNER INC.

Address of Applicant :Patent Department 3850 Hamlin Road

Auburn Hills Michigan 48326 U.S.A.

(72)Name of Inventor: 1)KELLER Peter

## (57) Abstract:

The invention relates to an exhaust gas turbocharger (1) having a turbine (2) which has the following parts: a turbine wheel (3); a turbine housing (4) in which is arranged at least one turbine channel (5 5) which has a passage opening (6 6) arranged upstream of the turbine wheel (3) as viewed in the exhaust gas flow direction; and a shut off device (7) which is arranged downstream of the turbine channel (5 5) and upstream of the turbine wheel (3) for opening and closing the passage opening (6 6) wherein the shut off device (7) has a shut off sleeve (12) which is guided in a translatorially movable fashion in a groove (13) formed directly into the turbine housing (4).

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

(21) Application No.2242/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention : GEODETIC SURVEY SYSTEM HAVING A CAMERA INTEGRATED IN A REMOTE CONTROL UNIT

(51) International classification :G01C15/00,G01C (31) Priority Document No :10177211.9 (32) Priority Date :16/09/2010 (33) Name of priority country :EPO

(86) International Application No :PCT/EP2011/064172 Filing Date :17/08/2011

(87) International Publication No :WO 2012/034813
(61) Patent of Addition to Application
Number :NA

Filing Date :NA

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

:G01C15/00,G01C15/06 (71)Name of Applicant :

1)LEICA GEOSYSTEMS AG

Address of Applicant : Heinrich Wild Strasse CH 9435

Heerbrugg Switzerland (72)Name of Inventor:
1)ZOGG Hans Martin
2)LIENHART Werner
3)NINDL Daniel
4)KOTZUR Norbert

(57) Abstract:

The invention relates to a survey system having a position-finding unit (2, 2) for determining a target position and having a mobile target unit (1) for defining targets (20). The target unit (1) has a survey stick (11) having a high-precision localizable target (12, 12, 12) and a hand-held remote control unit (3). The remote control unit (3) has an electronic graphical display (9) and can be mounted on a holder on the survey stick (11) such that the remote control unit (3) - in the mounted state - is in a fixed position relative to the target (12, 12, 12) fitted to the survey stick (11). According to the invention, the remote control (3) comprises a camera (5) for taking a camera image in a defined shooting direction. In addition, an image processing and evaluation unit with a data link to the position-finding unit (2, 2) and to the camera (5) is provided which - from knowledge of the fixed relative position and of a defined shooting direction and also on the basis of the determined target position - can spatially relate image data from the camera (5) to the targets in the coordinate system.

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

(21) Application No.2243/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/03/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: METHOD AND FACILITY FOR PRODUCING BACKUP ELECTRICAL POWER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:1057756 :27/09/2010 :France :PCT/FR2011/052223 :26/09/2011 :WO 2012/045952 :NA :NA	(71)Name of Applicant:  1)NATURE AND PEOPLE FIRST  Address of Applicant: 9 rue Huysmans F 75006 Paris France (72)Name of Inventor:  1)PAYRE Denis 2)PISTERMAN Pierre 3)PISTERMAN Patrice
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a facility for producing backup electrical power for an electrical-current distribution System, including: at least one first water tank (31 1, 312) located at a f<sup>-</sup>rst level; at least one second water tank (120) located at a second level lower than the first level; at least one pipe (340) for placing the first tank (3 11, 312) and second tank (120) in communication, and having at least one controUed valve (350); and at least one hydroelectric power plant (330) provided with pumping equipment. At least one of the first and second tanks (3 11, 312; 120) is built into the foundations at the lower portion of an artificial building (301, 303; 200A), the construction of which is rendered necessary by a separate primary fonction of a secondary fonction for producing electricity. The first tank (3 15) or the second tank (120) can form a common water area near ground level. The tanks (31 1, 312, 210, 220) built into the building foundations are particularly capable of cooperating with air- conditioning and heating equipment of the buildings at the bases of which said tanks are constructed, or of related buildings.

No. of Pages: 56 No. of Claims: 20

(19) INDIA

(22) Date of filing of Application :28/01/2013 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: TETRANECTIN APOLIPOPROTEIN A I LIPID PARTICLES CONTAINING IT AND ITS USE

(51) International :A61K9/127,A61K38/47,C07K14/775

classification .A01K9/127,A01K30/47,C07K14/77.

(31) Priority Document No :10008993.7 (32) Priority Date :30/08/2010

(33) Name of priority :EPO

country

(86) International :PCT/EP2011/064602

Application No Filing Date :25/08/2011

(87) International Publication No :WO 2012/028526

(61) Patent of Addition to Application Number :NA

Filing Date

(62) Divisional to
Application Number
Filing Date

:NA
:NA

(71)Name of Applicant:

1)F. HOFFMANN LA ROCHE AG

Address of Applicant : Grenzacher Strasse 124 CH 4070 Basel

Switzerland

(72)Name of Inventor:1)BADER Martin2)BAEHNER Monika3)FINGERLE Juergen

4)KOHNERT Ulrich 5)MARY Jean Luc

6)MOHL Silke

#### (57) Abstract:

Herein is reported a lipid particle comprising an apolipoprotein a phosphatidylcholine and a lipid such as a phospholipid fatty acid or steroid lipid. In one embodiment the lipid particle comprises only one apolipoprotein. In one embodiment the lipid particle is consisting of one apolipoprotein a phospholipid a lipid and a detergent. In one embodiment the lipid is a second phosphatidylcholine wherein the first phosphatidylcholine and the second phosphatidylcholine differ in one or two fatty acid residues or fatty acid residue derivatives which are esterified to the glycerol backbone of the phosphatidylcholine. In one embodiment the apolipoprotein is selected from an apolipoprotein that has the amino acid sequence selected from SEQ ID NO: 01 02 06 66 and 67 or is a variant thereof that has at least 70 % sequence identity with the selected sequence.

No. of Pages: 205 No. of Claims: 37

(21) Application No.2502/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: DEHYDRATED FOOD PRODUCT

(51) International classification	1:A23L1/212,A23L1/00,A23L2/395	(71)Name of Applicant:
(31) Priority Document No	:10189520.9	1)NESTEC S.A.
(32) Priority Date	:29/10/2010	Address of Applicant :Av. Nestl 55 CH 1800 Vevey
(33) Name of priority country	:EPO	Switzerland
(86) International Application	:PCT/EP2011/069002	(72)Name of Inventor:
No	:28/10/2011	1)BECEL Patricia
Filing Date	.28/10/2011	2)GEROMINI Osvaldo
(87) International Publication	:WO 2012/056006	3)GIROT Pierre Marc
No	. WO 2012/030000	4)PFALLER Werner
(61) Patent of Addition to	:NA	5)CHANVRIER HI"ne
Application Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application	:NA	
Number	:NA	
Eiling Data	.1\11.	

## (57) Abstract:

Filing Date

A dehydrated food product of homogeneous composition in the form of flakes where the flakes have a porosity of 30 to 70 % which assists them dissolve and/or disperse rapidly in water. The flakes are typically used for the preparation of sauces soups fonds gravies stocks and consomms.

No. of Pages: 17 No. of Claims: 18

(19) INDIA

(22) Date of filing of Application: 11/05/2012

(21) Application No.4186/DELNP/2012 A

(43) Publication Date: 31/10/2014

## (54) Title of the invention : MR SPECTROSCOPY SYSTEM AND METHOD FOR DIAGNOSING PAINFUL AND NON-PAINFUL INTERVERTEBRAL DISCS

(51) International classification	:A61B 5/055	(71)Name of Applicant :
(31) Priority Document No	:12/579,371	1)NOCIMED, LLC
(32) Priority Date	:14/10/2009	Address of Applicant :C/O PLUG AND PLAY TECH
(33) Name of priority country	:U.S.A.	CENTER, 370 CONVENTION WAY, REDWOOD CITY, CA
(86) International Application No	:PCT/US2010/052737	94063, U.S.A
Filing Date	:14/10/2010	2)THE REGENTS OF THE UNIVERSITY OF
(87) International Publication No	:WO 2011/047197	CALIFORNIA
(61) Patent of Addition to Application	:NA	(72)Name of Inventor:
Number	:NA	1)PEACOCK, JAMES, C.
Filing Date	.11/1	2)CLAUDE, JOHN, P.
(62) Divisional to Application Number	:NA	3)KANE, PAUL, H.
Filing Date	:NA	4)LOTZ, JEFFREY, C.

#### (57) Abstract:

AN MR SPECTROSCOPY (MRS) SYSTEM AND APPROACH IS PROVIDED FOR DIAGNOSING PAINFUL AND NON-PAINFUL DISCS IN CHRONIC, SEVERE LOW BACK PAIN PATIENTS (DDD-MRS). A DDD-MRS PULSE SEQUENCE GENERATES AND ACQUIRES DDD-MRS SPECTRA WITHIN INTERVERTEBRAL DISC NUCLEI FOR LATER SIGNAL PROCESSING AND DIAGNOSTIC ANALYSIS. AN INTERFACING DDD-MRS SIGNAL PROCESSOR RECEIVES OUTPUT SIGNALS OF THE DDD-MRS SPECTRA ACQUIRED AND IS CONFIGURED TO OPTIMIZE SIGNAL-TO-NOISE RATIO (SNR) BY AN AUTOMATED SYSTEM THAT SELECTIVELY CONDUCTS OPTIMAL CHANNEL SELECTION, PHASE AND FREQUENCY CORRECTION, AND FRAME EDITING AS APPROPRIATE FOR A GIVEN ACQUISITION SERIES. A DIAGNOSTIC PROCESSOR CALCULATES A DIAGNOSTIC VALUE FOR THE DISC BASED UPON A WEIGHTED FACTOR SET OF CRITERIA THAT USES MRS DATA EXTRACTED FROM THE ACQUIRED AND PROCESSED MRS SPECTRA ALONG REGIONS ASSOCIATED WITH MULTIPLE CHEMICALS THAT HAVE BEEN CORRELATED TO PAINFUL VS. NON-PAINFUL DISCS. A DIAGNOSTIC DISPLAY PROVIDES A SCALED, COLOR CODED LEGEND AND INDICATION OF RESULTS FOR EACH DISC ANALYZED AS AN OVERLAY ONTO A MID-SAGITTAL T2 -WEIGHTED MRI IMAGE OF THE LUMBAR SPINE FOR THE PATIENT BEING DIAGNOSED. CLINICAL APPLICATION OF THE EMBODIMENTS PROVIDES A NON-INVASIVE, OBJECTIVE, PAIN-FREE, RELIABLE APPROACH FOR DIAGNOSING PAINFUL VS. NON-PAINFUL DISCS BY SIMPLY EXTENDING AND ENHANCING THE UTILITY OF OTHERWISE STANDARD MRI EXAMS OF THE LUMBAR SPINE.

No. of Pages: 194 No. of Claims: 10

(21) Application No.570/DEL/2009 A

(19) INDIA

(22) Date of filing of Application :24/03/2009

(43) Publication Date: 31/10/2014

# (54) Title of the invention : DETECTION OF UNSPECIFIED GENETICALLY MODIFIED ORGANISM [GMO] ON MICROARRAYS

<ul> <li>(51) International classification</li> <li>(31) 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>	:EP 08153856.3	(71)Name of Applicant:  1)EPPENDORF ARRAY TECHNOLOGIES S.A. Address of Applicant: RUE DU SEMINAIRE 20A, B-5000 NAMUR, BELGIUM. (72)Name of Inventor: 1)REMACLE, JOSE 2)HAMELS, SANDRINE
(87) International Publication No	:NA	2)HAMELS, SANDRINE
(61) Patent of Addition to Application Number	:NA :NA	
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

Detection of Unspecified Genetically Modified Organism [GMO] on Micro-Arrays The present invention is related to a method, kit and computer program for detecting the presence in a sample of an unspecified Genetically Modified Organism (GMO).

No. of Pages: 62 No. of Claims: 25

(22) Date of filing of Application :28/01/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: EXHAUST GAS TURBOCHARGER

(51) International :F02B39/00,F02B39/14,F01D25/24 classification

(31) Priority Document No :102010033965.2 (32) Priority Date :11/08/2010

(33) Name of priority country: Germany

(86) International Application :PCT/US2011/046530

:04/08/2011 Filing Date

(87) International Publication

:WO 2012/021362 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)BORGWARNER INC.

Address of Applicant :Patent Department 3850 Hamlin Road

Auburn Hills Michigan 48326 U.S.A.

(21) Application No.798/DELNP/2013 A

(72)Name of Inventor: 1)KOCH Silvio

2)HOEGG Andreas

#### (57) Abstract:

(19) INDIA

The invention relates to an exhaust gas turbocharger (1) having a shaft (2) on which are arranged a compressor wheel (3) and a turbine wheel (4) having a bearing housing (5) in which are arranged a compressor side bearing arrangement (6) and a turbine side bearing arrangement (7) for the shaft (2) having an oil inflow line (8) and an oil outflow line (9) and having an additional oil accumulator (10) for the bearing arrangements (6 7) of the shaft (2) wherein the oil accumulator (10) is designed as a pressure accumulator arranged in a branch line (11) of the oil inflow line (8) and wherein a controllable valve (13) is arranged between the oil accumulator (10) and the opening in point (12) of the branch line (11) into the oil inflow line (8).

No. of Pages: 10 No. of Claims: 7

(21) Application No.852/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :28/01/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : METHODS AND APPARATUS FOR PASSIVE NON ELECTRICAL DUAL STAGE FIRE SUPPRESION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A62C37/08 :12/839593 :20/07/2010 :U.S.A. :PCT/US2011/041583 :23/06/2011 :WO 2012/012079 :NA :NA :NA	(71)Name of Applicant:  1)FIRETRACE USA LLC Address of Applicant: 15690 North 83rd Way Scottsdale AZ 85260 U.S.A. (72)Name of Inventor: 1)CASHION Brian J. 2)MORAN Dustin C. 3)ECKHOLM William A.
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#### (57) Abstract:

Methods and apparatus for passive non electrical dual stage fire suppression according to various aspects of the present invention include detecting a fire with a first active fire suppressant unit and changing the status of a second fire suppressant unit from stand by to active when the first tire suppressant unit releases a fire suppressant agent After the first fire suppressant unit has released its fire suppressant agent the second tire suppressant unit may detect a continued and/or a new fire and release a second tire suppressant agent in response to the detection.

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

(21) Application No.2358/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: APPARATUS AND METHOD FOR PRODUCING SUPERHEATED STEAM BY MEANS OF A SOLAR THERMALLY OPERATED REHEATER AND USE OF THE SUPERHEATED STEAM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:29/09/2011 :WO 2012/041980 :NA :NA	(71)Name of Applicant:  1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant: Wittelsbacherplatz 2 80333 M1/4nchen Germany (72)Name of Inventor: 1)CZIMCZIK Arno 2)BECKESCH Guenther 3)HOFFMANN Waldemar
- 140 9-	:NA :NA :NA	

#### (57) Abstract:

The invention relates to an apparatus for producing superheated steam by means of solar energy. The apparatus has the following features: at least one heat-transfer medium circuit with a heat transfer medium for absorbing the solar energy in the form of heat and at least one water/steam circuit with water and/or steam for forming the superheated steam. In this arrangement, the water and/or the steam may flow in one direction of flow in the water/steam circuit. For producing the superheated steam, the heat-transfer medium circuit and the water/steam circuit are thermally coupled to each other by means of at least one heat exchanger of at least one reheater. In the water/steam circuit, at least one water separator is arranged upstream of the heat exchanger in the direction of flow for separating water and steam from each other, so that substantially only steam can enter the heat exchanger. The heat exchanger and the water separator are arranged in a common reheater pressure vessel.

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

(21) Application No.2359/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/03/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: DISPLAY DEVICE PARTICULARLY FOR COOKTOPS

(51) International classification :F24C7/08,F24C15/10,G09F9/33 (71)Name of Applicant:

(31) Priority Document No :10 2010 061 122.0 (32) Priority Date :08/12/2010

(33) Name of priority country :Germany (86) International Application :PCT/EP2011/071631

No :02/12/2011 Filing Date

(87) International Publication No: WO 2012/076414

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)SCHOTT AG

Address of Applicant : Hattenbergstr. 10 55122 Mainz

Germany

(72)Name of Inventor: 1)WEISS Evelin 2)OHL Gerold 3)ZENKER Thomas

4)TAPLAN Martin

# (57) Abstract:

The invention relates to a display device, particularly for cooktops, having a glass ceramic body, particularly a glass ceramic panel, forming a glass ceramic front face and a glass ceramic rear face, and a luminous element disposed in the region of the glass ceramic rear face. In order to, in a simple manner, cost-effectively implement optional color inlays that can be determined in advance, according to the invention, an optical compensation filter is disposed between the glass ceramic front face and the luminous element.

No. of Pages: 30 No. of Claims: 19

(21) Application No.3471/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/04/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: METHODS AND SYSTEMS FOR THE PRODUCTION OF HYDROCARBON PRODUCTS

(51) International classification	:C12P5/02,C12P7/06,C12P7/04	(71)Name of Applicant:
(31) Priority Document No	:61/408216	1)LANZATECH NEW ZEALAND LIMITED
(32) Priority Date	:29/10/2010	Address of Applicant :24 Balfour Road Parnell Auckland 1052
(33) Name of priority country	:U.S.A.	New Zealand
(86) International Application No	:PCT/US2011/058211	(72)Name of Inventor:
Filing Date	:28/10/2011	1)SCHULTZ Michael
(87) International Publication No	:WO 2012/058508	2)OBERN James
(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:

Methods and systems for the production of hydrocarbon products including providing a substrate comprising CO to a bioreactor containing a culture of one or more micro organisms; and fermenting the culture in the bioreactor to produce one or more hydrocarbon products. The substrate comprising CO is derived from a CO2 reforming process.

No. of Pages: 37 No. of Claims: 18

(21) Application No.3474/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/04/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : COMMUNICATION SYSTEM AND METHOD FOR COMMUNICATING BETWEEN MASTER AND SLAVE DEVICES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:08/08/2011 :WO 2012/044399	(71)Name of Applicant:  1)GENERAL ELECTRIC COMPANY Address of Applicant: 1 River Road Schenectady NY 12345 U.S.A. (72)Name of Inventor: 1)DAUM Wolfgang 2)ROSE Gerald D.
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:WO 2012/044399 :NA :NA	2)ROSE Gerald D.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A communication system includes: a master control device capable of being coupled with a conductive communications pathway of a group of conductive pathways the master control device including a signal modulator configured to transmit a power signal and a command signal along the communications pathway by modulating an electric current supplied by a power source joined with the group of conductive pathways; and a load module capable of being coupled with the communications pathway in series with the master control device and of being coupled with a slave device the load module configured to receive the power signal and the command signal from the master control device along the communications pathway wherein the power signal activates the load module and the command signal directs the load module to control the slave device and to cause the slave device to take an action.

No. of Pages: 53 No. of Claims: 23

(21) Application No.884/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :29/01/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: ELECTRICITY GENERATING SHOCK ABSORBERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:F16F15/03,F16F6/00 :61/368846 :29/07/2010 :U.S.A. :PCT/US2011/024699 :14/02/2011 :WO 2012/015488 :NA :NA	(71)Name of Applicant:  1)THE RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK Address of Applicant: P.O.Box 9 Albany NY 12201 0009 U.S.A. (72)Name of Inventor: 1)ZUO Lei 2)TANG Xiudong 3)ZHANG Pei Sheng
` /		,
Filing Date	:NA	

#### (57) Abstract:

An electricity generating shock absorber includes a coil assembly having a length of electrically conducting material wrapped around an outside perimeter and along a length of a hollow tube formed of electrically resistant material; a magnet unit formed of at least one annular axial magnet; a central shaft having a magnetic reluctance on which a plurality of the magnet units are mounted the central shaft dimensioned for insertion through a central opening of the at least one annular axial magnet the central shaft combined with the plurality of magnet units forming a magnet assembly dimensioned to slideably insert into a central cavity of the hollow tube; and a cylindrical shell having a first end attached to a terminal end of the magnet assembly the cylindrical shell extending a length of the magnet assembly the cylindrical shell having an inner diameter sized to slideably accommodate an outside diameter of the coil assembly.

No. of Pages: 30 No. of Claims: 28

(21) Application No.2265/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/03/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: FUSED TRIAZOLES FOR THE TREATMENT OR PROPHYLAXIS OF MILD COGNITIVE **IMPAIRMENT**

(51) International :C07D471/04,A61K31/4412,A61K31/437 classification

:02/09/2010

(31) Priority Document

:2010197064

(32) Priority Date

(33) Name of priority :Japan country

(86) International

Application No

(87) International

Publication No

(61) Patent of Addition :NA to Application Number

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

:01/09/2011 Filing Date

:WO 2012/029991

:PCT/JP2011/070419

:NA

:NA

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3)TOMATA Yoshihide

4)TAKAI Takafumi

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6)KAJITA Yuichi

7)TSUKAMOTO Tetsuya

8)KAMATA Makoto

## (57) Abstract:

The present invention provides a heterocycle derivative having a superior amyloid  $\beta$  production inhibitory activity and/or a superior  $\gamma$ -secretase modulation activity, and use thereof. A compound represented by the formula (I): wherein each sym bol is as defined in the present specification, or a salt thereof.

No. of Pages: 295 No. of Claims: 29

(21) Application No.2266/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/03/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: VEHICLE CONTROL SYSTEM

(51) International :F02D41/04,F02D41/10,B60W30/18 classification

(31) Priority Document No :2010207208 :15/09/2010

(32) Priority Date (33) Name of priority country: Japan

(86) International :PCT/IB2011/002120

Application No :13/09/2011 Filing Date

(87) International Publication :WO 2012/035401

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:

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3)TANAHASHI Toshio

4)AGATA Yoshimitsu 5)KAWASAKI Tomohide

6)NOUMURA Shin

#### (57) Abstract:

A vehicle control system includes: an acceleration a c quisition unit (25, 26) that detects or estimates an acceleration of a vehicle; and a control unit (28) that is configured to change a running characteristic, which includes at least any one of a driving force char acteristic, shift characteristic, steering characteristic and suspension characteristic of the vehicle, on the basis of the acceleration, wherein the control unit (28) is configured to relatively delay a change of the running characteristic for decreasing quickness of behavior of the ve hicle with respect to a change of the running characteristic for in creasing quickness of behavior of the vehicle, and is configured to limit a change of the running characteristic when a jerk, which is a time differential value of the acceleration, is larger than a limit determination threshold as compared with when the jerk is smaller than or equal to the limit determination threshold.

No. of Pages: 63 No. of Claims: 16

(22) Date of filing of Application :31/01/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : DISTRIBUTION DEVICE FOR USE IN A CHARGING INSTALLATION OF A METALLURGICAL REACTOR

(51) International classification :F27B1/20,C21B7/20,F27D3/00 (71)Name of Applicant : (31) Priority Document No :91 717 1)PAUL WURTH S.A. (32) Priority Date :06/08/2010 Address of Applicant :32 rue dAlsace L 1122 Luxembourg (33) Name of priority country :Luxembourg Luxembourg (86) International Application No :PCT/EP2011/062975 (72)Name of Inventor: Filing Date :28/07/2011 1)LONARDI Emile (87) International Publication No :WO 2012/016902 2)THILLEN Guy (61) Patent of Addition to 3)ROCCHI Dominique :NA Application Number 4)DEVILLET Serge :NA Filing Date 5)VANDIVINIT Jeff (62) Divisional to Application :NA Number :NA

## (57) Abstract:

Filing Date

The present invention proposes a distribution device for a changing installation that has a rotating and pivoting distribution chute. The device has a casing that rotatably supports a rotatable structure (hereinafter: rotor) to which the chute is mounted. The casing has a stationary heat protection shield at its lower end. The shield has a central opening delimited by an inner border. The shield extends radially outward and protects the inside of the casing against heat. The rotor on the other hand has a generally tube shaped support coaxial on its rotation axis with tilting shafts for pivoting the chute. According to the invention the tubular support reaches with its lower edge to the border of the opening in the shield. Furthermore the chute is mounted with its upper portion inside the tubular support with its inlet above the lower edge of the support. In order to enable such mounting of the chute inlet directly inside the rotor without reducing the radial charging range the chute is provided with a bent shape. Accordingly the chute body has an upper portion in which material flows along a first direction and a lower portion in which material flows along a diverted second direction. The upper portion of the chute body comprises an annular closed mounting head that forms the inlet and has two diametrically opposite mounting members. The tilting shafts each have a respective mount cooperating with one of the mounting members. The annular closed mounting head has a first longitudinal axis and forms the inlet. The lower portion comprises a circumferentially closed jacket having a second longitudinal axis and terminating at the outlet the longitudinal axes being arranged at an angle that corresponds approximately to the angle between the first and second directions. A recess is provided in the chute body that permits tilting the chute to a raised position in which the lower edge of the tubular support enters the recess.

No. of Pages: 19 No. of Claims: 18

(22) Date of filing of Application :21/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: SHIFT ARRANGEMENT FOR A GEAR CHANGE TRANSMISSION

(51) International classification :F16H63/20,F16H63/32 (71)Name of Applicant : (31) Priority Document No 1)SCHAEFFLER TECHNOLOGIES AG & CO. KG :10 2010 046 162.8 (32) Priority Date :21/09/2010 Address of Applicant: Industriestrae 1 3 91074 Herzogenaurach Germany (33) Name of priority country :Germany (72)Name of Inventor: (86) International Application No :PCT/EP2011/060228 1)FEUERBACH Matthias Filing Date :20/06/2011 (87) International Publication No :WO 2012/038106 2)L-FFELMANN Jochen (61) Patent of Addition to Application 3)WESSELMANN Klaus :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The invention relates to a shift arrangement (1) for a gear change transmission which arrangement has a selector shaft (2) with a shift element (3) and a gearshift fork (5) the gearshift fork (5) having a selector arm (9) with selector jaws (6) which surround the selector shaft (2) radially and can be brought into engagement with the shift element (3) such that a movement of the selector shaft (2) can move the gearshift fork (5) the selector jaws (6) being supported in the peripheral direction offset relative to the shift element (3) by the selector shaft (2) or by a component (7) disposed thereon when forces which exceed a threshold value are applied by deformation to the selector shaft (2) or to the component (7) disposed thereon as an additional support point (13).

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

(22) Date of filing of Application :21/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: RECLOSABLE VACUUM STORAGE BAG HAVING AS SORTED MONITORING MEANS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application</li><li>No</li></ul>	:PCT/US2011/052498	(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)RASPATI Reza P.
Filing Date (87) International Publication No	:21/09/2011 :WO 2012/040294	
<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:

An improved vacuum storage bag (5) having assorted monitoring means and a method of using the same. The vacuum storage bag is comprised of a flexible impermeable bag that has a storage area and a storage area access opening (35). A valve (55) is provided to the bag that is in fluid communication with the storage area. Resealable sealing means (40) extend across the storage area access opening. The resealable sealing means are capable or repeatedly allowing the storage area to be selectively maintained in a substantially hermetically sealed on unsealed condition. One time use sealing means (45) extend across the storage area parallel to the resealable sealing means. The vacuum storage bag further has a radio frequency identification tag (50) that extends substantially across said storage area access opening. In an alternative embodiment of the vacuum storage bag the radio frequency identification tag is replaced with tamper indicating means (150).

No. of Pages: 34 No. of Claims: 55

(22) Date of filing of Application :21/03/2013

(43) Publication Date: 31/10/2014

## (54) Title of the invention: CHOLINE ANALOGS AS RADIOTRACER

(51) International :C07C213/00,C07C213/02,C07C213/06 classification

(31) Priority Document :61/384882

(32) Priority Date :21/09/2010 (33) Name of priority :U.S.A.

country

(86) International

:PCT/US2011/052253 Application No :20/09/2011

Filing Date

(87) International :WO 2012/040138 Publication No

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

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

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3)MEDI PHYSICS INC.

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2)ROBINS Edward George

3)SMITH Graham

4)ZHAO Yongjun

5)LEYTON Julius

6)TURTON David

7)WILSON Anthony

8)BHALLA Rajiv

9)BRICKUTE Diana

### (57) Abstract:

Novel radiotracer(s) for Positron Emission Tomography (PET) or Single Photon Emission Computed Tomography (SPECT) imaging of disease states related to altered choline metabolism (e.g. tumor imaging of prostate breast brain esophageal ovarian endometrial lung and prostate cancer primary tumor nodal disease or metastases). The present invention also describes intermediate(s) pre cursor(s) pharmaceutical composition(s) methods of making and methods of use of the novel radiotracer(s).

No. of Pages: 71 No. of Claims: 21

(21) Application No.831/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :28/01/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : TARGETED MULTI EPITOPE DOSAGE FORMS FOR INDUCTION OF AN IMMUNE RESPONSE TO ANTIGENS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A61K39/00 :61/375996 :23/08/2010 :U.S.A. :PCT/US2011/048803 :23/08/2011 :WO 2012/027365 :NA :NA :NA	(71)Name of Applicant:  1)SELECTA BIOSCIENCES INC.  Address of Applicant: 480 Arsenal Street Building One Watertown MA 02472 U.S.A. (72)Name of Inventor:  1)FRASER Christopher 2)LIPFORD Grayson B. 3)ALTREUTER David H.
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#### (57) Abstract:

Provided herein are compositions and methods related to MHC II binding peptides. In some embodiments the peptides are obtained or derived from a common source. In other embodiment the peptides are obtained or derived from an infectious agent to which a subject has been repeatedly exposed.

No. of Pages: 168 No. of Claims: 128

(22) Date of filing of Application :31/01/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: COMPOSITION OF DIGITAL IMAGES FOR PERCEPTIBILITY 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> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04N9/31 :12/855051 :12/08/2010 :U.S.A. :PCT/EP2011/063224 :01/08/2011 :WO 2012/019937 :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)PERSSON Jan Patrik 2)GUSTAFSSON Harald 3)PERSSON Per
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#### (57) Abstract:

Teachings herein compose a digital image so that the image is perceptible on a viewing surface such as a projection surface or a transparent screen. In doing so the teachings advantageously recognize a digital image as consisting of one or more logical objects like buttons of a user interface. Often logical objects may be spatially arranged within the image and/or colored in different possible ways without substantially affecting the meaning conveyed by the image. Exploiting this teachings herein evaluate light reflected from or transmitted through the viewing surface and compose the digital image from one or more logical objects that have a spatial arrangement or coloration determined in dependence on that evaluation. The teachings might for example place a logical object within the image so that it will be displayed on a region of the surface which has high contrast with the object s colors and/or low color variance.

No. of Pages: 45 No. of Claims: 24

(22) Date of filing of Application :21/03/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: SHOCK ABSORBING BOARD OF STEEL WIRE ROPE

(51) International classification :B66B5/00,B66B7/00,F16F7/02 (71)Name of Applicant :

(31) Priority Document No :201010266731.2 (32) Priority Date :27/08/2010 (33) Name of priority country :China

(86) International Application No :PCT/CN2011/072542

Filing Date :08/04/2011 (87) International Publication No: WO 2012/024926

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

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

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3)YU Cheng

4)WANG Shenghui

#### (57) Abstract:

A shock absorbing board of steel wire rope comprises a shock absorbing block (3), an inner plywood (4), a first external plywood (51) and a second external plywood (52). The inner 5 plywood (4) is adhered between the first external plywood (51) and the second external plywood (52) through adhesive, and more than two fixing holes of steel wire rope, which have a same center line, are correspondingly provided on the first external plywood (51) and the second external plywood (52) respectively. The shock absorbing blocks (3), which are connected with the inner plywood (4), are provided in the fixing holes of the second external 10 plywood (52), and a clearance exists between the shock absorbing blocks (3) and the second external plywood (52), and a rope fixing part (2) is provided on each of the shock absorbing blocks (3). Therefore, when the invention is used in ultra-high elevator, the steel wire rope is fixed to the shock absorbing block (3) by the rope fixing part (2), and the shock of the tractive steel wire rope can be effectively absorbed during the operation of the ultra-high elevator, so 15 as to avoid the intertwist occurred between two rows of steel wire ropes.

No. of Pages: 7 No. of Claims: 5

(21) Application No.2522/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : ANTI TNF A HUMANIZED ANTIBODY AND FRAGMENT ANTIGEN BINDING (FAB) AND USE THEREOF

(51) International classification :C07K16/24,C12N15/13,A61K39/395

(31) Priority Document No :201010297255.0 (32) Priority Date :30/09/2010

(33) Name of priority China

country :China

(86) International :PCT/CN2011/001668

Application No
Filing Date

30/09/2011

(87) International Publication No :WO 2012/041018

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

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

(71)Name of Applicant:

1)CHENGDU KANGHONG BIOTECHNOLOGIES CO.

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Address of Applicant :No.36 Shuxi Rd. Jinniu Dis. ChengDu

Sichuan 610036 China (72)Name of Inventor:

1)KE Xiao

2)GAO Xiaoping

### (57) Abstract:

Disclosed are an anti human tumor necrosis factor a humanized antibody and a fragment antigen binding (Fab) thereof. The disclosure includes a composition for the antibody or the fragment antigen binding (Fab), and the use of the antibody or fragment antigen binding (Fab) in treating diseases related to tumor necrosis factor a.

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

(21) Application No.2641/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :22/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: DRIVING SUPPORT APPARATUS AND DRIVING SUPPORT METHOD

(51) International :B62D15/02,B60W30/10,B60W30/12

classification .B02D13/02,B00W30/10,B00

(31) Priority Document No :2010224158 (32) Priority Date :01/10/2010 (33) Name of priority

country :Japan

(86) International :PCT/IB2011/002238

Application No Filing Date :27/09/2011

(87) International

Publication No :WO 2012/042339

(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)TOYOTA JIDOSHA KABUSHIKI KAISHA

Address of Applicant :1 Toyota cho Toyota shi Aichi ken 471

8571 Japan

(72)Name of Inventor:
1)AKIYAMA Tomonori
2)IGARASHI Shinji
3)YOSHIHAMA Yuki

### (57) Abstract:

In a driving support apparatus that sets a running road on which a vehicle is able to run on the basis of a road marking that indicates a lane boundary or a prohibited area and that when the vehicle deviates from the running road issues a warning or performs assisting so as to cause the vehicle to run within the running road when the width of a lane defined by the road marking that indicates the lane boundary is narrow the running road is set by allowing a deviation from the lane having a narrow width. It is possible to effectively utilize the driving support apparatus by increasing a chance of using the driving support apparatus without unnecessary support.

No. of Pages: 29 No. of Claims: 9

(21) Application No.969/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :31/01/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: DISTRIBUTION CHUTE

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country :C21B7/20,F27B1/20,F27D3 (91716 (

(86) International Application No :PCT/EP2011/062282 Filing Date :18/07/2011

(87) International Publication No :WO 2012/016818

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

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

:C21B7/20,F27B1/20,F27D3/10 (71)Name of Applicant : :91716 1)PAUL WURTH S.A.

Address of Applicant :32 rue dAlsace L 1122 Luxembourg

Luxembourg

(72)Name of Inventor:1)LONARDI Emile2)THILLEN Guy3)ROCCHI Dominique4)DEVILLET Serge

5)THINNES Claude

### (57) Abstract:

A distribution chute (10) of the rotate and pivot type comprises a chute body (12) having therein a channel (22) with an inlet (20) for receiving a flow of bulk material and an outlet (24) for discharging the bulk material. In operation the channel conveys the bulk material from the inlet to the outlet. The channel has a bend (28) to divert the flow of material from a first flow direction in the inlet into a second flow direction in the outlet. The chute body is assembled of at least an upstream part (14) which comprises the inlet and a downstream part (16) which comprises the outlet and which is fixed to the upstream part. The downstream part defines a straight portion of the channel whereas the upstream part defines the inlet and the bend of the channel. The upstream part is thick walled with respect to the downstream part.

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

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: COMPENSATION DEVICE FOR ELEVATOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:201010260321.7 :23/08/2010 :China	(71)Name of Applicant:  1)CANNY ELEVATOR CO. LTD.  Address of Applicant: No.88 (LUXU) Linhu Economic Development Zone Wujiang Jiangsu 215213 China (72)Name of Inventor:  1)WANG Youlin 2)ZHANG Jianhong 3)YU Cheng 4)ZHENG Yao
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#### (57) Abstract:

A compensation device for an elevator, comprises a guide device (1), a fixing device (2), a travel switch holder (3), a limiting cam holder (4), a counterweight and a safety device (6), the safety device (6) is constituted of safety tongs (601), lifting rods (602), a linkage shaft (603), pull rods (604) and positioning plates (605). The safety tongs (601) fixed to two ends of the guide device (1). By the lifting rods, lower ends of the safety tongs (601) are connected with first radially extending arms of the linkage shaft (603) which horizontally hinged and supported on the guide device (1), and second radially extending arms of the linkage shaft (603) are connected with the upper ends of the pull rods (604). And the lower ends of the pull rods (604) passed through the througholes of the positioning plates (605) fixed to the fixing device (2), and provided with a limiting member. During operation, the positioning plates are fixed to the fixing device (2), after the pull rods (604) move up certain distance, the limiting member is blocked by the positioning plates (605) and can not move up continuously, so that the linkage shaft (603) swings around horizontal axes; and then the lifting rods (602) pull the safety tongs (601), and break the guide device (1), thus avoiding accident and ensuring security of device.

No. of Pages: 10 No. of Claims: 6

(21) Application No.2456/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : DESIGN AND PRODUCTION OF A SYSTEM FOR WIRELESSLY CHARGING THE BATTERIES OF A ROBOT

<ul> <li>(51) International classification</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>	:TN 2010/0389 :23/08/2010 :TUNISIA	(71)Name of Applicant:  1)CHAARI Mohamed Zied  Address of Applicant: 9 Rue 2160 Route Aroport Km 45 Cit Bahri 3 Sfax 3064 TUNISIA
<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:PCT/TN2011/000002 :19/08/2011 :WO 2012/026895 :NA :NA	(72)Name of Inventor : 1)CHAARI Mohamed Zied

### (57) Abstract:

In the context of expanding the scope of the inspection field and in order to improve said field, the present invention is provided, which relates to a robot that inspects a pipeline, but may encounter certain problems during said operation. For this purpose and in order to avoid said major risk, a system for wirelessly charging the batteries of said robot is used, wherein the pipeline is used as a waveguide and as a Faraday cage in order to improve the performance of the inspection system.

No. of Pages: 15 No. of Claims: 16

(19) INDIA

(22) Date of filing of Application :14/03/2013 (43) Publication Date : 31/10/2014

(54) Title of the invention: VERTICAL AXIS TURBINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:F03D3/04 :NA :NA :NA :NA :PCT/SG2010/000314 :26/08/2010 :WO 2012/026879 :NA :NA :NA	(71)Name of Applicant:  1)VAZ Guy Andrew  Address of Applicant: 20 Pasir Ris Heights Singapore 519227 Singapore (72)Name of Inventor:  1)VAZ Guy Andrew
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(21) Application No.2288/DELNP/2013 A

#### (57) Abstract:

A guiding apparatus for guiding a flow through a vertical axis windturbine is disclosed comprising a rotor (6) rotating around a vertical axis (4) an inner (10) and an outer (14) guide array and a central space (18). The angle of each single slat of both inner and outer guide array (10 14) can be changed building a fluid intake zone (A) retention zones (B D and a fluid exhaust zone (C). Fluid enters into the central space (18) through intake zone (A) and circulates in the central space (18) in the same direction as rotor (6).

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

(22) Date of filing of Application :15/04/2009 (43) Publication Date : 31/10/2014

## (54) Title of the invention: SYSTEMS AND METHODS FOR CONTROLLING CONVERTER FOR POWERING A LOAD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:12/111,398 :29/04/2008	
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### (57) Abstract:

Embodiments of systems and methods for powering a load are provided. In one embodiment, a method may include providing a power converter (100) comprising electrical circuitry comprising at least a first leg and a second leg, supplying an input power signal (920) to the power converter (100), supplying at least a first gating control signal (930) to the first leg, supplying at least a second gating control signal (940) to the second leg, and outputting at least one output power signal to the load (950) responsive at least in part to the first (930) and the second (940) gating control signals supplied. According to this example embodiment, the first gating signal (930) and the second gating signal (940) may each comprise a waveform (410) comprising a notch (350), and the second gating control signal (940) may be phase shifted relative to the first gating control signal (930).

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

(19) INDIA

(22) Date of filing of Application :31/01/2013

(21) Application No.965/DELNP/2013 A

(43) Publication Date: 31/10/2014

## (54) Title of the invention: HOSE CLAMP

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:09/07/2010 :WO 2012/003851 :NA :NA :NA	(71)Name of Applicant:  1)Hans Oetiker AG Maschinen und Apparatefabrik Address of Applicant: Oberdorfstrasse 21 CH 8812 Horgen Switzerland (72)Name of Inventor: 1)STEFAN MIESSMER
Filing Date	:NA	

### (57) Abstract:

The invention relates to a hose clamp having a clamping ear (15) that comprises a droplet shaped recess (25) on the inner face of the clamping band (10) in a region that rests on the hose in the clamped state. The drop shaped recess acts against an expansion of the clamping ear (15) after the hose clamp has been clamped.

No. of Pages: 11 No. of Claims: 9

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : REFLECTING BASE MATERIAL BACKLIGHT UNIT AND METHOD FOR MANUFACTURING REFLECTING BASE MATERIAL

(51) International classification :G02B5/08,B32B3/30,B32B5/18 (71)Name of Applicant : (31) Priority Document No 1)FURUKAWA ELECTRIC CO.LTD. :2010215750 (32) Priority Date Address of Applicant: 2 3 Marunouchi 2 chome Chiyoda ku :27/09/2010 (33) Name of priority country Tokyo 1008322 Japan :Japan (86) International Application No: PCT/JP2011/070446 (72)Name of Inventor: 1)NISHIWAKI Toshimitsu Filing Date :08/09/2011 (87) International Publication No: WO 2012/043181 2)MORITA Nobuvuki (61) Patent of Addition to 3)ISHIKAWA Akihiko :NA Application Number 4)YAMANE Motohiro :NA Filing Date 5)HAYASHI Daisuke (62) Divisional to Application 6)KAWAI Koichi :NA Number 7)SATOH Yusuke :NA Filing Date

## (57) Abstract:

Provided are a reflecting base material, which can reliably eliminate generation of luminance—evenness, a back light unit using the reflecting base material, and a method for manufacturing the reflecting base material. The surface shape information of the reflecting base material (7) is acquired by means of a laser displacement meter (3). Then, the obtained recess and protrusion information is Fourier-transformed, and relationship between frequency and intensity is obtained with respect to the recessed and protruded surface shape of the reflecting base material. Then, the calculated relationship between the frequency and the intensity is compared with previously set reference data. When the intensity exceeds 0.0 m a frequency region in a predetermined range, it is determined that the reflecting base material is non acceptable, and when there is no data that exceeds 0.6 in the determination region, it is determined that the reflecting base material is acceptable.

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

(22) Date of filing of Application :20/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: NON ETHERIFIED REACTION PRODUCT OF A CYCLIC UREA AND A MULTIFUNCTIONAL **ALDEHYDE** 

(51) International

(19) INDIA

:C08G12/36,C08G12/42,C08L61/26 classification

(31) Priority Document No :10185095.6 (32) Priority Date :30/09/2010

(33) Name of priority country: EPO

(86) International Application :PCT/US2011/053054

No :23/09/2011

Filing Date (87) International Publication :WO 2012/044549

(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)CYTEC TECHNOLOGY CORP.

(21) Application No.2461/DELNP/2013 A

Address of Applicant :300 Delaware Avenue Suite 903

Wilmington DE 19801 U.S.A.

(72)Name of Inventor:

1)GUPTA Ram B.

2)FLOOD Lawrence A.

3)TREASURER Urvee Y.

4)LAWLESS Barry A. 5)BROGAN Colin

(57) Abstract:

The invention relates to a coating composition comprising a reaction product UA of at least one multifunctional aldehyde A with at least one cyclic urea U and a crosslinkable resin having at least one kind of functional groups selected from the group consisting of hydroxyl functional groups acid functional groups amide functional groups amino functional groups imino functional groups mercaptan functional groups phosphine functional groups and carbamate functional groups characterised in that the degree of etherification measured as the ratio «(0 R) / «(U) of the amount of substance n(O R) of alkoxy groups as substituents of the aldehyde carbon atoms of the multifunctional aldehyde chemically bound in the reaction product UA to the amount of substance «(U) of cyclic urea U chemically bound in the reaction products is less than 0.01 mol/mol and to a process for the preparation of the reaction product UA.

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

(21) Application No.961/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :31/01/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: IMPROVED BROMINATED SORBENTS FOR REMOVING MERCURY FROM EMISSIONS PRODUCED DURING FUEL COMBUSTION

(51) International :B01J20/20,C01B31/12,C01B31/08

classification (31) Priority Document No :61/378221

(32) Priority Date :30/08/2010 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2011/048450

No :19/08/2011 Filing Date

(87) International Publication

:WO 2012/030559

(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)ALBEMARLE CORPORATION

Address of Applicant: 451 Florida Street Baton Rouge LA

70801 1765 U.S.A. (72)Name of Inventor:

1)NALEPA Christopher J. 2)LAMBETH Gregory H. 3)ODWYER Jonathan P.

4)ZHOU Qunhui

#### (57) Abstract:

Activated cellulosic based carbon is rendered more thermally stable by exposure to water or aqueous acid and optionally to a halogen and/or a halogen containing compound. Such treated cellulosic based carbon has enhanced thermal properties and is suitable for use in mitigating the content of hazardous substances in flue gases especially flue gases having a temperature within the range of from about 100 °C to about 420 °C.

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

(21) Application No.933/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :30/01/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : ALIGNMENT MECHANISM FOR ASSEMBLY OF A DIFFUSER INSIDE A PRESSURE REDUCING AND CONDITIONING VALVE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:B23P19/04 :12/859887 :20/08/2010 :U.S.A. :PCT/US2011/041938 :27/06/2011 :WO 2012/024024 :NA :NA	(71)Name of Applicant:  1)DRESSER INC.  Address of Applicant: 15455 Dallas Parkway Addison TX 75001 U.S.A. (72)Name of Inventor:  1)MERRILL Peter K. 2)FOISY Donald F.
Number	*	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An alignment mechanism (100) is used for assembly of a diffuser (22) inside a pressure reducing and conditioning valve (20) said valve having a body (23) an inlet port (21) an outlet port (24) a pressure reducing section (40) between the ports and a diffuser (30) in an internal cavity (42) of the pressure reducing section. The alignment mechanism (100) comprises at least one alignment assembly having an alignment port (110) disposed in the valve body (23) in the pressure reducing section (40). The port has a passageway (130) passing through an outer wall (123) of the valve and has a removable closure member (150) adapted to close one end of the passageway. A removable alignment rod (170) is adapted to be inserted through the passageway (130) in the alignment port to contact an outer surface (31) of the diffuser (30) when the diffuser is inserted into the internal cavity (42) of the pressure reducing section (40) of the valve. A method of use (500) of the alignment assembly (100) is disclosed.

No. of Pages: 29 No. of Claims: 14

(19) INDIA

(22) Date of filing of Application :31/01/2013

(21) Application No.971/DELNP/2013 A

(43) Publication Date: 31/10/2014

## (54) Title of the invention: MULTILAYER 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</li> </ul>	:01/08/2011 :WO 2012/016938 :NA :NA	(71)Name of Applicant:  1)BOREALIS AG  Address of Applicant: Wagramer Strasse 17 19 A 1220 Vienna Austria (72)Name of Inventor:  1)AARNIO Minna 2)SCHUSTER Gerhard
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

Multilayer film which comprises a core layer (C) and two outer layers (O O 2) sandwiching the core layer wherein (i) the core layer (C) comprises a bimodal ethylene/I butene/C C alpha olefin terpolymer (ii) one outer layer (O 1) comprising (ii 1) a low density polyethylene or (ii 2) the bimodal terpolymer as defined for the core layer (C) or (ii 3) a metallocene produced linear low density polyethylene and optionally a low density polyethylene (iii) the other outer layer (O 2) comprising (iii 1) a metallocene produced linear low density polyethylene and optionally a low density polyethylene and its use for packaging especially for frozen food packaging.

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

(21) Application No.2361/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/03/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: MANAGEMENT OF NETWORK CONFIGURATION IN TELECOMMUNICATIONS NETWORKS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:H04L12/24 :NA :NA :NA :PCT/EP2010/064492 :29/09/2010 :WO 2012/041374 :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant: S 164 83 Stockholm Sweden (72)Name of Inventor: 1)CLEARY David 2)SALAMANCA CUADRADO Epifanio 3)CREMIN Michael
· /		3)CREMIN Michael

#### (57) Abstract:

A method for managing the configuration of a telecommunications network the method comprises remotely creating a data file containing attributes of managed objects for one or more network elements of the network uploading the data file to a management system of the network inspecting the data file and identifying managed objects having attributes which have been created varied or deleted producing a database of the identified managed objects and the values thereof and analysing the data in the database to manage the configuration of the telecommunications network accordingly. Also disclosed are an apparatus for performing the method a management system incorporating the apparatus and a telecommunications network incorporating the management system.

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

(21) Application No.796/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :28/01/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: BEARING HOUSING OF AN EXHAUST GAS TURBOCHARGER

(51) International classification :F02B39/00,F01D25/24,F01D25/16

(31) Priority Document No :102010035280.2 (32) Priority Date :24/08/2010

(33) Name of priority country: Germany

(86) International Application :PCT/US2011/048229

Filing Date :18/08/2011

(87) International Publication

No :WO 2012/027188

(61) Patent of Addition to Application Number :NA

Filing Date

(62) Divisional to Application
:NA

Number :NA Filing Date

(57) Abstract :

(71)Name of Applicant: 1)BORGWARNER INC.

Address of Applicant :Patent Department 3850 Hamlin Road

Auburn Hills Michigan 48326 U.S.A.

(72)Name of Inventor:
1)HORNBACH Johannes
2)BECKER Martin

The present invention relates to a bearing housing (1) of an exhaust gas turbocharger having a compressor side housing flange (2) having a central housing section (3) which is integrally connected to the housing flange (2) and in which a first partial section (4) of an oil chamber (5) is arranged; and having a turbine side housing section (6) which has a turbine side housing flange (7) and in which a second partial section (8) of the oil chamber (5) is formed. The central housing section (3) and the turbine side housing section (6) are formed in one piece. A bearing housing (9) which forms a separate component is inserted into the central housing section (3) and into the turbine side housing section (6) with these delimiting the oil chamber (5).

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

(21) Application No.963/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :31/01/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : COATED ANTIMICROBIAL CHEMICALLY STRENGTHENED GLASS AND METHOD OF MAKING

<ul><li>(51) International classification</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>	:C03C17/30,C03C21/00 :61/371364 :06/08/2010 :U.S.A. :PCT/US2011/046685	(71)Name of Applicant: 1)CORNING INCORPORATED Address of Applicant: 1 Riverfront Plaza Corning New York 14831 U.S.A. (72)Name of Inventor:
Filing Date (87) International Publication No	:05/08/2011 :WO 2012/019067	1)BORRELLI Nicholas F 2)MORSE David Lathrop
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)SENARATNE Wageesha 4)VERRIER Florence 5)WEI Ying
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The disclosure is directed to a chemically strengthened glass having antimicrobial properties and to a method of making such glass. In particular the disclosure is directed to a chemically strengthened glass with antimicrobial properties and with a low surface energy coating on the glass that does not interfere with the antimicrobial properties of the glass. The antimicrobial has an Ag ion concentration on the surface in the range of greater than zero to  $0.047~\mu g/cm2$ . The glass has particular applications as antimicrobial shelving table tops and other applications in hospitals laboratories and other institutions handling biological substances where color in the glass is not a consideration.

No. of Pages: 49 No. of Claims: 40

(22) Date of filing of Application :28/01/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention: DEVICE FOR SHOT PEENING A METAL SUBSTRATE THE SURFACE OF WHICH IS PREDETERMINED BY MASKING USING A SCREEN CONSISTING OF A REMOVABLE ADHESIVE MATERIAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B24C1/04,B24C9/00 :10/03195 :28/07/2010 :France :PCT/EP2011/062808 :26/07/2011 :WO 2012/013661 :NA :NA :NA	(71)Name of Applicant:  1)RENZI Michel Address of Applicant:Rue de la Pointe F 73310 Chanaz France 2)RENZI Laurence (72)Name of Inventor: 1)RENZI Michel 2)RENZI Laurence
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#### (57) Abstract:

The invention relates to a device for shot peening a metal substrate the surface of which is predetermined by masking using a screen consisting of a removable adhesive material. Said method is particularly suitable for the low cost production of a pattern on objects such as a metal tile trash cans and stainless steel vases. The device includes a machine for cutting adhesive and a gun provided with a bellows which is to be positioned on the adhesive using a sight and target that is then applied to the object.

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

(21) Application No.967/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :31/01/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: DESIGNER PEPTIDE BASED PCV2 VACCINE

Filing Date :08/07/20	1)UNITED BIOMEDICAL INC Address of Applicant :25 Davids Drive Hauppauge New York 11788 U.S.A. (72)Name of Inventor:
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#### (57) Abstract:

Porcine circovirus (PCV2) vaccine compositions comprising a peptide antigen derived from a PCV2 capsid protein are described. In various embodiments the peptide antigen contains amino acids of the capsid protein from about amino acid 47 to about amino acid 202. In some embodiments the peptide antigen is optionally linked to an artificial T helper epitope and/or mixed with T helper epitopes derived from the ORF1 and ORF3 proteins of PCV2. Methods of using PCV2 vaccine compositions are also described. In various embodiments a vaccine composition is used in animals for the prevention of PCV2 infection. In other embodiments a PCV2 vaccine composition is used as an antigen for diagnosing PCV2 infection.

No. of Pages: 63 No. of Claims: 16

(22) Date of filing of Application :31/01/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: METHOD AND SYSTEM FOR COLLECTING PERFORMANCE STATISTICS 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> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:24/02/2011 :WO 2012/009974 :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)SHAO Minfeng
Filing Date	:NA :NA	

#### (57) Abstract:

A method and system for collecting performance statistical data are provided by the present invention, wherein a basic object is con figured by a network manager according to requirements; a collection of objects is set according to the basic object, specific objects in each collection of objects are set, and the collection of objects and the specific objects in it are synchronized to a foreground, wherein the specific object is a specific form of the basic object; a measurement task is created according to the collection of objects, and the measurement task is synchronized to the foreground; the received performance statistics data is counted according to requirements. The method and system of the present invention can configure the basic object on demand, combine the specific objects in the collection of objects, and are convenient, fast and practical. The net work manager automatically performs the further statistics and manage ment for the performance statistics data, which is efficient and speedy, and provides users with more considerate, and more personalized ser vices. Besides, the data is filtered on the foreground, the data required to be transferred and stored in another place is reduced, the burden of the network is reduced, and the efficiency is high, in the meanwhile, the burden of the network manager is reduced, and the practicability of the net work manager is improved.

No. of Pages: 22 No. of Claims: 10

(22) Date of filing of Application :20/03/2013

(43) Publication Date: 31/10/2014

1)ROBERT BOSCH GMBH

Address of Applicant :Postfach 30 02 20 70442 Stuttgart

(71)Name of Applicant:

(72)Name of Inventor:

2)DUTT Andreas

1)BOECKING Friedrich

## (54) Title of the invention: BEARING ELEMENT HAVING A ROLLER ROTATABLY MOUNTED THEREIN IN PARTICULAR IN THE DRIVE OF A PUMP PISTON OF A HIGH PRESSURE FUEL PUMP

Germany

(51) International :F02M59/02,F02M59/10,F02M59/44 classification

(31) Priority Document No

:10 2010 042 025.5

(32) Priority Date

:06/10/2010

(33) Name of priority country

:Germany

(86) International

:PCT/EP2011/065433

Application No Filing Date

:07/09/2011

(87) International

:WO 2012/045541

Publication No (61) Patent of Addition to

:NA :NA

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

:NA

**Application Number** Filing Date

:NA

(57) Abstract:

The invention relates to a bearing element having a roller rotatably mounted therein, in particular in a drive of a pump piston of a high-pressure fuel pump, wherein the bearing element (44) comprises a concavely curved recess (48) in which the at least approximately circular cylindrical roller (50) is rotatably mounted. The recess (48) is curved at least in a central area (148) at least approximately as a circular segment in cross section perpendicular to the axis of rotation (51) of the roller (50), and the radius (R) thereof is equal to or only slightly greater than the radius (r) of the roller (50). The recess (48) extends over an angle range of more than 180° around the circumference of the roller (50). The central area (148) of the recess (48) extends over an angle range of no greater than about 180° about the circumference of the roller (50) and the recess (48) comprises edge areas (248, 348) adjacent to the central area (148) in the circumferential direction, in which the recess (48) runs, having a greater radial distance from the roller (50) than in the central area (148).

No. of Pages: 12 No. of Claims: 8

(22) Date of filing of Application :31/01/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : METHODS OF TREATING OR AMELIORATING DISEASES AND ENHANCING PERFORMANCE COMPRISING THE USE OF A MAGNETIC DIPOLE STABILIZED SOLUTION

(51) International classification	:A61K33/24,A23L2/00	(71)Name of Applicant:
(31) Priority Document No	:61/366845	1)REVEN PHARMACEUTICALS INC.
(32) Priority Date	:22/07/2010	Address of Applicant :4411 Bee Ridge Road Sarasota FL
(33) Name of priority country	:U.S.A.	34233 U.S.A.
(86) International Application No	:PCT/US2011/044947	(72)Name of Inventor:
Filing Date	:22/07/2011	1)HAROON Zishan
(87) International Publication No	:WO 2012/012682	2)LANGE Peter
(61) Patent of Addition to Application	:NA	3)DENOMME Brian
Number	:NA :NA	4)VAN WYK Henk
Filing Date	.IVA	5)VAN WYK Mariette
(62) Divisional to Application Number	:NA	6)KREBS Tracy L.
Filing Date	:NA	7)OZGUR Sezgin

### (57) Abstract:

The present invention is directed to methods for treating or ameliorating skin conditions diabetic conditions cardiovascular conditions cancer infections or metal poisoning enhancing performance or providing nutritional support comprising administering to a subject in need thereof compositions comprising a magnetic dipole stabilized solution (MDSS). The MDSS solution may include additional components and can be provided in a kit.

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

(21) Application No.2479/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: MAGNETIC HEAD DEVICE

(51) International classification	:G11B5/09,G06K17/00	(71)Name of Applicant:
(31) Priority Document No	:2011080885	1)NIDEC SANKYO CORPORATION
(32) Priority Date	:31/03/2011	Address of Applicant :5329 Shimosuwa machi Suwa gun
(33) Name of priority country	:Japan	Nagano 3938511 Japan
(86) International Application No	:PCT/JP2012/058047	(72)Name of Inventor:
Filing Date	:28/03/2012	1)NAKAJIMA Shigeo
(87) International Publication No	:WO 2012/133476	2)HIGASHI Katsuhisa
(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 application provides a magnetic head device capable of suppressing output fluctuation even if the output has changed in part of an output waveform from a magnetic head. More specifically a magnetic head device is characterized by comprising a magnetic head (1) for reproducing information recorded on a magnetic information recording medium an amplification unit (2) for amplifying a reproduced signal reproduced by the magnetic head (1) by gain an A/D conversion unit (3) for sampling the amplified reproduced signal with a predetermined period converting the amplified reproduced signal into a digital signal and outputting the digital signal a signal comparison unit (4a) for comparing the output value of the digital signal with a preset output reference value and a gain control unit (4b) for adjusting the gain such that the output value approaches the output reference value when the output value is larger than or smaller than the output reference value.

No. of Pages: 23 No. of Claims: 6

(21) Application No.3457/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/04/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : FILTRATION METHOD USING POLYIMIDE NANOWEB WITH AMIDIZED SURFACE AND APPARATUS THEREFOR

(51) International :B01D61/00,B01D71/64,H01M10/02

(31) Priority Document No :12/963962 (32) Priority Date :09/12/2010 (33) Name of priority :U.S.A.

(86) International :PCT/US2011/063526

Application No
Filing Date :1C1/03201

(87) International Publication No :WO 2012/078627

(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)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)DENNES T. Joseph 2)MAZUR Stephen

#### (57) Abstract:

The present invention is directed to the preparation and use of aromatic polyimide nanowebs with amide modified surfaces. Uses include as a filtration medium and as a separator in batteries particularly lithium ion batteries. The invention is also directed to a method comprising the aromatic polyimide nanoweb with amide modified surface. The invention is further directed to a multi layer article comprising the aromatic polyimide nanoweb with amide modified surface and to an electrochemical cell comprising the multi layer article.

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

(19) INDIA

(22) Date of filing of Application :18/04/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: CHISEL HOLDER FOR A SOIL TREATMENT 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 Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:E21C35/193 :10 2011 051 525.9 :04/07/2011 :Germany :PCT/EP2012/062556 :28/06/2012 :WO 2013/004583 :NA :NA :NA	(71)Name of Applicant:  1)WIRTGEN GMBH  Address of Applicant:Reinhard Wirtgen Str. 2 53578  Windhagen Germany (72)Name of Inventor:  1)LEHNERT Thomas  2)BUHR Karsten  3)BARIMANI Cyrus  4)H,,HN G <sup>1</sup> / <sub>4</sub> nter
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(21) Application No.3459/DELNP/2013 A

#### (57) Abstract:

The invention relates to a chisel holder for a soil treatment machine especially a road miller said chisel holder having a chisel seat in the region of a treatment side of a support base and carrying an add on indirectly or directly on an add on side of the support base wherein the support base has two stripping surfaces [first and second stripping surfaces] forming a pair of stripping surfaces that are at angles relative to each other. In order to provide a chisel holder that has a stable and rigid design the support base according to the invention comprises at least one additional stripping surface that is at an angle relative to the two stripping surfaces of the pair of stripping surfaces.

No. of Pages: 32 No. of Claims: 16

(21) Application No.2568/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/03/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention: COMPOSITION COMPRISING A PEPTIDE AND AN INHIBITOR OF VIRAL NEURAMINIDASE

(51) International classification :A61K38/19,A61K45/06,A61P31/16 (31) Priority Document No :A 1908/2010

(32) Priority Date :18/11/2010
(33) Name of priority country:Austria

(86) International Application No :PCT/AT2011/000462

Filing Date :15/11/2011

(87) International Publication :WO 2012/065201

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

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

(71)Name of Applicant:

1)APEPTICO FORSCHUNG UND ENTWICKLUNG

**GMBH** 

Address of Applicant: Mariahilferstrae 136 A 1150 Wien

Austria

(72)Name of Inventor: 1)FISCHER Bernhard 2)LUCAS Rudolf

3)FISCHER Hendrik

# (57) Abstract:

Described is a composition comprising - a peptide which consists of 7-17 adjacent amino acids and comprises the hexamer TX1EX2X3E, where Xi, X2 and X3 can be any natural or non-natural amino acid, and the peptide is cyclized and does not exhibit TNF receptor binding activity, and - an inhibitor of viral neuraminidase.

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

(21) Application No.2570/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: DUAL VARIABLE DOMAIN IMMUNOGLOBULINS AND USES THEREOF

(51) International classification	:A61K39/00,C07K16/00	(71)Name of Applicant:
(31) Priority Document No	:61/377117	1)ABBVIE INC.
(32) Priority Date	:26/08/2010	Address of Applicant :1 North Waukegan Road North Chicago
(33) Name of priority country	:U.S.A.	IL 60064 U.S.A.
(86) International Application No	:PCT/US2011/049147	(72)Name of Inventor:
Filing Date	:25/08/2011	1)GHAYUR Tariq
(87) International Publication No	:WO 2012/027570	2)SALFELD Jochen G.
(61) Patent of Addition to Application	:NA	3)MCPHERSON Michael J.
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Engineered multivalent and multispecific binding proteins methods of making and their uses in the prevention diagnosis and/or treatment of disease are provided.

No. of Pages: 385 No. of Claims: 71

(21) Application No.2571/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: FEED NOZZLE ASSEMBLY

(51) International classification :B01J4/00,B01F5/04,B01J8/24 (71)Name of Applicant : (31) Priority Document No 1)SHELL INTERNATIONALE RESEARCH :10179972.4 (32) Priority Date MAATSCHAPPIJ B.V. :27/09/2010 Address of Applicant : Carel van Bylandtlaan 30 NL 2596 HR (33) Name of priority country :EPO (86) International Application No :PCT/EP2011/066605 The Hague Netherlands (72)Name of Inventor: Filing Date :23/09/2011 (87) International Publication No 1)BROSTEN David Jon :WO 2012/041782 (61) Patent of Addition to 2)CHEN Ye Mon :NA

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

Number :NA Filing Date :NA

(57) Abstract:

A feed nozzle assembly for co currently introducing gas and liquid into a reactor vessel which feed nozzle assembly comprises (a) an inner tube defining a gas conduit and an outer tube arranged around the inner tube wherein the outer surface of the inner tube and the inner surface of the outer tube define an annular liquid conduit and wherein each of the tubes have an inlet end and an opposite outlet end; (b) a first nozzle attached to the outlet end of the inner tube; (c) a second nozzle attached to the outlet end of the outer tube and arranged downstream of the first nozzle wherein the inner tube contains purging orifices.

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

(21) Application No.882/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :29/01/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: SEAT

(51) International classification :A47C3/20,A47C4/52,A47C7/40 (71)Name of Applicant :

(31) Priority Document No :1011059.1 (32) Priority Date :01/07/2010

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

(86) International Application No:PCT/GB2011/051255

Filing Date :01/07/2011

(87) International Publication No: WO 2012/001429

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

:NA Number :NA

Filing Date

1)SPLICED IP LTD

Address of Applicant :383 Railway Arches Mentmore Terrace

London Fields E8 3PH U.K. (72)Name of Inventor:

1)LUCAS James

#### (57) Abstract:

A seat comprises a seat squab (12) a supporting structure (15) and a backrest (14) in use the seat squab (12) being movable in a substantially downward direction relative to the supporting structure when weight is applied to the seat squab (12) and the substantially downward movement of the seat squab (12) causing automatic movement of the backrest (14) in a substantially upward direction the angular orientation of an upper surface of the seat squab (12) relative to the supporting structure remaining unchanged during the substantially downward movement of the seat squab (12).

No. of Pages: 24 No. of Claims: 19

(21) Application No.931/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :30/01/2013 (43) Publication Date: 31/10/2014

#### (54) Title of the invention: COMPOSITE MATERIALS AND USES THEREOF

(51) International classification :B32B5/18,B32B5/32,F41H5/18 (71)Name of Applicant : (31) Priority Document No :1012010.3 (32) Priority Date :16/07/2010

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

(86) International Application No :PCT/GB2010/052099

Filing Date :15/12/2010 (87) International Publication No: WO 2012/007703

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

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

1)ACELL GROUP LTD. Address of Applicant :303 Whitehorse Lane London SE25

6UG U.K.

(72)Name of Inventor: 1)ALBERTELLI Aldino 2)FRIEH Michael

#### (57) Abstract:

The present invention relates to composite materials and the use thereof as energy resistant for example blast resistant materials. Preferred aspects of the invention relate to layered composite panels comprising solid foam materials which have both a blast attenuation function and an anti ballistic function. In further aspects the invention provides novel composite panels which are suitable for use as blast resistant and/or anti ballistic materials. In some examples described the layered composite panel comprises a polymeric material (10) bonded to a first solid open cell foam panel (12) and a cured polymeric material (14) penetrates a surface of the first solid open cell foam panel (12).

No. of Pages: 51 No. of Claims: 77

(21) Application No.2321/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 14/03/2013 (43) Publication Date: 31/10/2014

#### (54) Title of the invention: ARRANGEMENT FOR MOUNTING CARRIERS FOR PROJECTION SCREENS OF HEAD UP **DISPLAYS**

(51) International :G02B27/01,G02B27/14,G02B27/00

classification

(31) Priority Document No :10 2010 045 861.9 :17/09/2010 (32) Priority Date (33) Name of priority country: Germany

(86) International :PCT/EP2011/066063 Application No

:16/09/2011 Filing Date

(87) International Publication :WO 2012/035127

(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)JOHNSON CONTROLS GMBH

Address of Applicant: Industriestrae 20 30 51399 Burscheid

Germany

(72)Name of Inventor: 1)KUNZE Norbert 2)RUMPF Horst

(57) Abstract:

The invention relates to an arrangement for mounting a projection screen for a head-up-display which can be attached in a removable fashion to a windscreen of a vehicle in the drivers field of vision, wherein the arrangement contains a mount for the projection screen, which mount forms a detachable connection with a base frame (5), wherein the mount has a carrier (1) on which the projection screen is mounted and which can be connected to the base frame (5) by at least two magnetic coupling points.

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

(21) Application No.2322/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: METHOD FOR PRODUCING A REAR WALL OF A SEAT BACK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:12/09/2011 :WO 2012/032189 :NA	(71)Name of Applicant:  1)JOHNSON CONTROLS GMBH  Address of Applicant: Industriestrae 20 30 51399 Burscheid Germany (72)Name of Inventor:  1)ZYNDA Martin  2)NUYAN Vedat  3)MEIER Bernd  4)RIBARIC David
` '	:NA :NA	3)MEIER Bernd 4)RIBARIC David
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a method for producing a rear wall of a seat back (1) from at least one organic sheet (2). According to the invention at least one organic sheet (2) is back moulded in an injection moulding tool with a rib structure (3) wherein a bond is formed between the organic sheet (2) and the rib structure (3) so that an integral component is formed.

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

(21) Application No.2323/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 14/03/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: CONCENTRATE FOR MEDICAL SOLUTIONS PRODUCTION THEREOF AND USE THEREOF IN **DIALYSIS** 

(51) International

:A61K33/06,A61K33/10,A61K9/00

classification

:10 2010 039 489.0

(31) Priority Document No (32) Priority Date

:18/08/2010

(33) Name of priority country: Germany

(86) International Application :PCT/EP2011/064180

No

Filing Date

:17/08/2011

(87) International Publication :WO 2012/022775

(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 DEUTSCHLAND GMBH

Address of Applicant :Else Krner Strae 1 61352 Bad Homburg

Germany

(72)Name of Inventor:

1)SCHWEITZER Thomas

2)FICHERT Thomas

3)MATHIS Pascal

#### (57) Abstract:

The present invention relates to a novel dry concentrate for producing medical solutions, more particularly dialysis solutions, which comprises electrolyte components, buffer components and an osmotic agent, wherein the concentrate comprises magnesium carbonate instead of magnesium chloride. The use of magnesium carbonate as an electrolyte prevents the formation of slurries. By providing anhydrous glucose as an osmotic agent, and by optionally spatially separating this osmotic agent from other components, the occurrence of caking of the concentrate is additionally avoided. The occurrence of caking is further reduced by providing the buffer component sodium bicarbonate together with sodium chloride separate from all other components. The concentrate of the present invention is particularly suitable for use in multi-chamber container bag systems. The concentrate of the present invention exhibits good dissolution behaviour and improved storage stability.

No. of Pages: 24 No. of Claims: 27

(21) Application No.938/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :30/01/2013 (43) Publication Date: 31/10/2014

#### (54) Title of the invention: DISPOSABLE VORTEX BREAKER

(51) International classification :B01F15/00,B01F7/18,B01F7/16 (71)Name of Applicant :

(31) Priority Document No :61/369249 (32) Priority Date :30/07/2010

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

(86) International Application No:PCT/US2011/043181 Filing Date :07/07/2011

(87) International Publication No: WO 2012/015571

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

:NA Number :NA Filing Date

(57) Abstract:

1)EMD MILLIPORE CORPORATION

Address of Applicant :290 Concord Road Billerica MA 01821

U.S.A.

(72)Name of Inventor: 1)MARTIN Morrissey

2)DAVID Decoste

The present invention consists of a closed presterilized bag (4) having a disposable mixing element (8) within it a drive mechanism (12) outside of the bag for rotating the mixing element without voiding sterility and a vortex breaker (18) in the form of one or more plastic sheet materials that are attached to various inner surfaces of the bag and disrupt the formation of vortices within the bag. Preferably the sheet (s) are formed of the same material as the bag and are sealed to the bag surfaces. More preferably the sheet (s) extend across a diameter of the bag Most preferably the sheet (s) are perforated with one or more slits or openings (20) to allow for good flow and mixing without a vortex being formed.

No. of Pages: 28 No. of Claims: 21

(21) Application No.2332/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 15/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: SUBSTITUTED PHENYLACETATE AND PHENYLPROPANE AMIDES AND USE THEREOF

(51) International :C07D249/12,C07D409/04,A61K31/4196 classification

:10 2010 040 924.3

:PCT/EP2011/065961

:WO 2012/035075

:16/09/2010

:14/09/2011

:Germany

(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 :NA

to Application Number :NA Filing Date

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

(71)Name of Applicant:

1)BAYER INTELLECTUAL PROPERTY GMBH

Address of Applicant : Alfred Nobel Strasse 10 40789

Monheim Germany

(72)Name of Inventor:

1)FRSTNER Chantal

2)KELDENICH Jrg 3)DELBECK Martina

4)KOLKHOF Peter

5)KRETSCHMER Axel

6)POOK Elisabeth

7) SCHMECK Carsten

8)TRBEL Hubert

#### (57) Abstract:

The present application relates to novel substituted phenylacetamides and phenylpropanamides, to processes for preparing them, to their use alone or in combinations for the treatment and/or prevention of diseases and also to their use for the production of medicaments for the treatment and/or prevention of diseases, more particularly for the treatment and/or prevention of cardiovascular disorders.

No. of Pages: 135 No. of Claims: 11

(21) Application No.806/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :28/01/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: BEARING HOUSING OF AN EXHAUST GAS TURBOCHARGER

(51) International classification :F02B39/00,F01D25/24,F01D25/16

(31) Priority Document No :102010035281.0 (32) Priority Date :24/08/2010 (33) Name of priority country :Germany

(86) International Application :PCT/US2011/048206

No .FC1/US2011

Filing Date :18/08/2011

(87) International Publication :WO 2012/027183

No

(61) Patent of Addition to Application Number :NA

Application Number :NA
Filing Date :NA

(62) Divisional to Application

(62) Divisional to Application
Number
Siling Date
:NA

(71)Name of Applicant: 1)BORGWARNER INC.

Address of Applicant :Patent Department 3850 Hamlin Road

Auburn Hills Michigan 48326 U.S.A.

(72)Name of Inventor:

1)SCHENKENBERGER Niclas

2)HORNBACH Johannes

#### (57) Abstract:

The invention relates to a bearing housing (1) of an exhaust gas turbocharger having a housing body (2) in which an axial bearing (3) is arranged and having a compressor side housing cover (4) which can be fixed in a compressor side housing opening (6) by means of a fastening device (5) wherein the fastening device (5) is designed as a non positively locking fastening device.

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

(22) Date of filing of Application :28/01/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: SYSTEM AND METHOD INCLUDING ANALYTICAL UNITS

		(71)Name of Applicant:
		1)BECKMAN COULTER INC.
		Address of Applicant :250 S. Kraemer Boulevard Brea
		California 92821 U.S.A.
(51) International alassification	.C01N27	(72)Name of Inventor:
(51) International classification	:G01N27	1)WILSON Brian D.
(31) Priority Document No	:61/367343	2)ALARURI Sami D.
(32) Priority Date	:23/07/2010	3)ANDERSON David L.
(33) Name of priority country	:U.S.A.	4)DAVIS Matthew S
(86) International Application No	:PCT/US2011/045107	5)ERICKSON Matthew D.
Filing Date	:22/07/2011	6)GWYNN Robert B.
(87) International Publication No	:WO 2012/012779	7)JOHNSON Alan N.
(61) Patent of Addition to Application	:NA	8)KRAIHANZEL Charles S.
Number	:NA	9)MAURER Garrick A.
Filing Date	.1111	10)ROSEN Michael J.
(62) Divisional to Application Number	:NA	11)SAUERBURGER Mark F.
Filing Date	:NA	12)SCHMIDT Daniel R.
		13)WAGNER Reed B.
		14)WILTSIE Joshua D.
		15)STACHELEK Thomas M.

#### (57) Abstract:

Systems and methods for processing and analyzing samples are disclosed. The system may process samples such as biological fluids using assay cartridges which can be processed at different processing locations. In some cases the system can be used for PCR processing. The different processing locations may include a preparation location where samples can be prepared and an analysis location where samples can be analyzed. To assist with the preparation of samples the system may also include a number of processing stations which may include processing lanes. During the analysis of samples in some cases thermal cycler modules and an appropriate optical detection system can be used to detect the presence or absence of certain nucleic acid sequences in the samples. The system can be used to accurately and rapidly process samples.

16)YANG David L.

No. of Pages: 364 No. of Claims: 241

(21) Application No.876/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :29/01/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: A REMOVABLE FLASH CHAMBER

(51) International classification	:A61M25/06,A61B5/153	(71)Name of Applicant:
(31) Priority Document No	:61/364535	1)BECTON DICKINSON AND COMPANY
(32) Priority Date	:15/07/2010	Address of Applicant :1 Becton Drive Mail Code 110 Franklin
(33) Name of priority country	:U.S.A.	Lakes NJ 07417 1880 U.S.A.
(86) International Application No	:PCT/US2011/043892	(72)Name of Inventor:
Filing Date	:13/07/2011	1)BURKHOLZ Jonathan Karl
(87) International Publication No	:WO 2012/009459	2)HOANG Minh Quang
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A needle hub (36) and catheter assembly are (20) disclosed herein. The needle hub includes an introducer needle (30) having a lumen extending therethrough. A needle hub is coupled to a proximal end of the introducer needle. A flash chamber (34) is removably coupled to the needle hub or the introducer needle. An interior of the flash chamber is in fluid communication with the lumen of the introducer needle when the flash chamber is coupled to the needle hub or the introducer needle. As such the flash chamber can collect a sample of blood that can be accessed when the flash chamber is removed. In some instances the blood can also be dispensed from the flash chamber into a test strip (70) or other testing device.

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

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 31/10/2014

:NA

:NA

# (54) Title of the invention : DISPERSIONS COMPRISING POLYTHIOPHENES WITH A DEFINED CONTENT OF THIOPHENE MONOMER

(51) International classification :C08L65/00,C08L25/18 (71)Name of Applicant : (31) Priority Document No 1)HERAEUS PRECIOUS METALS GMBH & CO. KG :10 2010 048 032.0 (32) Priority Date Address of Applicant : Heraeusstrasse 12 14 63450 Hanau :12/10/2010 (33) Name of priority country Germany :Germany (86) International Application No :PCT/EP2011/005020 (72)Name of Inventor: Filing Date :07/10/2011 1)L-VENICH Wilfried (87) International Publication No :WO 2012/048823 (61) Patent of Addition to Application :NA Number :NA Filing Date

#### (57) Abstract:

Filing Date

The present invention relates to a method for producing a composition comprising polythiophene comprising the method steps: I) provision of a composition Z1 comprising thiophene monomers and an oxidising agent; II) oxidative polymerisation of the thiophene monomers by reducing the oxidising agent to a reduction product and oxidation of the thiophene monomer to form a polythiophene and a composition Z2 comprising the reduction product; III) at least partial removal of the reduction product from the composition Z2 obtained in method step II) to obtain a composition Z3; wherein it is ensured that following completion of method step III) the content of non polymerised thiophene monomer in the composition Z3 is in the range from 1 ppm to 100 ppm based on the total weight of the composition Z3. The present invention also relates to a composition obtainable as the composition Z3 produced with this method a composition comprising a polythiophene a layer construction an electronic component and the use of a composition.

No. of Pages: 35 No. of Claims: 23

(62) Divisional to Application Number

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: SYSTEM AND METHOD TO MANAGE POWER USAGE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:12/893539 :29/09/2010 :U.S.A. :PCT/US2011/032840 :18/04/2011 :WO 2012/050635 :NA :NA	(71)Name of Applicant:  1)THE POWERWISE GROUP INC.  Address of Applicant: 4855 Technology Way Suite 550 Boca Raton FL 33431 U.S.A. (72)Name of Inventor:  1)LUMSDEN John L.  2)ZAGA Rafael E.
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

A system and method are provided for managing electrical power usage. During a predetermined time period such as during blackout conditions a digital signal processor (DSP) controls an IGBT/FET based device to supply an allocated amount of power. When the consumed amount of power exceeds the allocated amount the DSP shuts off the power. Alternatively the system provides a signal to reduce the consumed power. If sufficient load has not been reduced after a predetermined amount of time the power is shut off. Further alternatively or in addition the DSP may shut off power to predetermined electrical outlets while providing power to other electrical outlets to reduce the power usage to the predetermined amount. During other time periods the DSP controls the IGBT/FET device to provide a predetermined voltage that is less than the AC incoming line voltage. When the voltage drops below the predetermined voltage such as during brownout conditions a microprocessor controls an electronic switch on the primary windings side of a transformer system to provide a boosted output voltage.

No. of Pages: 74 No. of Claims: 20

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: METHOD FOR CHARGING AN ELECTRICAL BATTERY

(51) International classification	:H02J7/35	(71)Name of Applicant :
(31) Priority Document No	:1056856	1)COMMISSARIAT A LENERGIE ATOMIQUE ET AUX
(32) Priority Date	:30/08/2010	ENERGIES ALTERNATIVES
(33) Name of priority country	:France	Address of Applicant :Btiment Le Ponant D 25 rue Leblanc F
(86) International Application No	:PCT/EP2011/064803	75015 Paris France
Filing Date	:29/08/2011	(72)Name of Inventor:
(87) International Publication No	:WO 2012/028572	1)BRUN BUISSON David
(61) Patent of Addition to Application	:NA	2)DELAILLE Arnaud
Number	*	3)KLEIN Jean Marie
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a method for charging an electrical battery (2) having a given charge capacity, the electrical battery supplying power to a load (1) and the electrical battery being charged by an electrical power source (5), characterized in that the method includes a step of defining a f<sup>-</sup>rst charge level set value lower than the charge capacity of the battery, and a step of charging the electric battery up until the f<sup>-</sup>rst charge level set value is reached.

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

(21) Application No.2471/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: PHARMACEUTICAL COMPOSITION

(51) International :A61K9/08,A61K38/11,A61P15/04 classification

(31) Priority Document No :10251690.3 (32) Priority Date :30/09/2010

(33) Name of priority country: EPO

(86) International Application :PCT/IB2011/002394

No :29/09/2011 Filing Date

(87) International Publication :WO 2012/042371

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)FERRING B.V.

Address of Applicant : Polaris Avenue 144 NL 2132 JX

Hoofddorp Netherlands (72)Name of Inventor: 1)NILSSON Anders 2)MALM Mattias

3)WISNIEWSKI Kazimierz

4)SIEKMANN Britta

The present invention relates to pharmaceutical compositions having improved stability.

No. of Pages: 46 No. of Claims: 37

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

(21) Application No.935/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :30/01/2013 (43) Publication Date: 31/10/2014

#### (54) Title of the invention: METHOD AND APPARATUS FOR CONTROLLING A SURFACE SCANNING COORDINATE MEASURING MACHINE

(51) International :G01B5/008,G01B21/04,G05B19/19

classification (31) Priority Document No :61/382126

(32) Priority Date :13/09/2010 (33) Name of priority country:U.S.A.

(86) International :PCT/US2011/051295

Application No :13/09/2011

Filing Date

(87) International Publication :WO 2012/037059

(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)HEXAGON TECHNOLOGY CENTER GMBH

Address of Applicant: Heinrich wild Strasse 201 CH 9435

Heerbrugg Switzerland (72)Name of Inventor: 1)RACINE Paul P.

#### (57) Abstract:

A method improves surface scanning measure machine speed while minimizing tip touchdown impact on the surface of the object being measured. Specifically the method controls a surface scanning measuring machine having a probe head with a distal probe tip that contacts the surface of an object to be measured. To that end the method selects a nominal initial contact point (on the surface) having a normal vector and then moves the distal probe tip toward the nominal initial contact point along an approach path. The approach path has a generally linear portion that generally linearly extends from the nominal initial contact point to some non contacting point spaced from the surface. The generally linear portion forms an angle of between about 20 degrees and about 60 degrees with the normal vector.

No. of Pages: 58 No. of Claims: 30

(22) Date of filing of Application :31/01/2013 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: COMPOSITION OF A DIGITAL IMAGE FOR DISPLAY ON A TRANSPARENT SCREEN

(51) International classification :G02B27/01,G06T7/00 (71)Name of Applicant : (31) Priority Document No 1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) :12/855063 (32) Priority Date Address of Applicant: S 164 83 Stockholm Sweden :12/08/2010 (72)Name of Inventor: (33) Name of priority country :U.S.A. (86) International Application No :PCT/EP2011/063550 1)GUSTAFSSON Harald Filing Date :05/08/2011 2)YUAN Song (87) International Publication No :WO 2012/019973 3)PERSSON Jan Patrik (61) Patent of Addition to Application 4)PERSSON Per :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

Teachings herein prepare a digital image for display on a substantially transparent screen. The teachings advantageously recognize that the perceptibility of the digital image on the screen will often depend on what is visible to a user through the screen since that will effectively serve as the background of the screen. A method of preparing a digital image thus includes dynamically calculating which part of an environmental background is visible to a user through the screen and thereby serves as an effective background of the screen. This calculation may entail obtaining an image of the environmental background and identifying which part of that image serves as the effective background (e.g. based on the angle at which the user views the screen). The method further includes composing the digital image for perceptibility as viewed against that effective background and outputting the composed image as digital data for display on the screen.

No. of Pages: 39 No. of Claims: 22

(21) Application No.880/DELNP/2013 A

(19) INDIA

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

(43) Publication Date: 31/10/2014

# (54) Title of the invention: SYSTEM FOR CHANNELLING AND UNLOADING HOT ROLLED 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>	:B21B43/00 :MI2010A001434 :30/07/2010 :Italy :PCT/EP2011/062555 :21/07/2011 :WO 2012/013571 :NA :NA	(71)Name of Applicant: 1)SIEMENS S.P.A. Address of Applicant:Viale Piero e Alberto Pirelli 10 I 20126 Milano Italy (72)Name of Inventor: 1)MUSCARA Giuseppe 2)SHVAYKO Ruslan
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#### (57) Abstract:

A system for channelling and unloading hot rolled materials downstream of a unit for cutting to size and upstream of a cooling bed (11) in which a rolled material (13) is fed at high speed inside at least one channelling unit (14) and unloaded by the latter onto the cooling bed (11) the channelling unit (14) comprising a supporting structure (15) having at least one travel channel (16) which is open downwards and with which at least one electromagnet element (17) is associated. Preferably the at least one travel channel (16) is shaped in the manner of an overturned U. Preferably the system has at least one pair of adjacent and parallel travel channels (16).

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

(21) Application No.966/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :31/01/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: IMPROVED FLUE GAS SCRUBBING APPARATUS AND METHODS THEREOF

(51) International :B01D53/18,B01D53/50,B01D53/60 classification

(31) Priority Document No :207208 (32) Priority Date :25/07/2010 (33) Name of priority country:Israel

(86) International :PCT/IL2011/000598

Application No :25/07/2011 Filing Date

(87) International Publication :WO 2012/014199 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)CLEAN MARINE AS

Address of Applicant :PB 231 Skoven N 0213 Oslo Norway

(72)Name of Inventor: 1)HOY PETERSEN Nils 2)ERVIK Johan Ivar 3)CANARI Riki

# (57) Abstract:

An improved flue gas scrubbing apparatus and method are disclosed. The flue gas scrubber comprises a double pipe or a two pipe system whereby flue gas enters the system. Scrubbing is accomplished by interaction between the flue gas and base in a pre injection zone followed by further reaction in a primary injection zone and passage through a cyclone unit. In preferred embodiments of the invention it comprises a bypass system by which flue gas is automatically exhausted directly to the atmosphere in case of a system failure. The gas exhausted from the apparatus following scrubbing meets or exceeds international emissions standards.

No. of Pages: 48 No. of Claims: 37

(21) Application No.2285/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: BONDED ABRASIVE ARTICLE AND METHOD OF FORMING

(51) International classification	:B24D3/06,B24D18/00,C09K3/14	(71)Name of Applicant :
(31) Priority Document No	:61/379920	1)SAINT GOBAIN ABRASIVES INC.
(32) Priority Date	:03/09/2010	Address of Applicant :One New Bond Street Worcester
(33) Name of priority country	:U.S.A.	Massachusetts 01615 0138 U.S.A.
(86) International Application		2)SAINT GOBAIN ABRASIFS
No	:PC1/US2011/030384	(72)Name of Inventor:
Filing Date	:02/09/2011	1)RAMANATH Srinivasan
(87) International Publication	*****	2)SAUCIER Kenneth A.
No	:WO 2012/031229	3)UPADHYAY Rachana
(61) Patent of Addition to		0)011121111111111111
Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application	:NA	
Number	:NA	

# (57) Abstract:

Filing Date

An abrasive article includes a body having abrasive grains contained within a bond material comprising a metal or metal alloy wherein the body comprises a ratio of VAG/VBM of at least about 1.3 wherein VAG is the volume percent of abrasive grains within the total volume of the body and VBM is the volume percent of bond material within the total volume of the body.

No. of Pages: 63 No. of Claims: 118

(21) Application No.785/DEL/2009 A

(19) INDIA

(22) Date of filing of Application :16/04/2009

(43) Publication Date: 31/10/2014

# (54) Title of the invention: APPARATUS AND METHOD FOR ANALYZING MILK IN FIELD

(51) International classification :A23F (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)Name of Applicant:  1)REPUBLIC OF KOREA (MANAGEMENT: RURAL  DEVELOPMENT ADMINISTRATION  Address of Applicant: 250, SEODUN-DONG,  GWEONSEON-GU, SUWON-SI, GYEONGGI-DO, REPUBLIC  OF KOREA. Republic of Korea  (72)Name of Inventor:  1)KIM, HYUN, SEOB  2)KIM, SANG BUM  3)KI, KWANG, SOOK  4)LEE, HYUN, JUNE  5)CHO, WON, MO
--	--

#### (57) Abstract:

Disclosed are an apparatus and a method for analyzing milk in a field, capable of analyzing the quality of milk by rapidly and easily examining components of milk in a field, other than a laboratory To manage the quality of milk, a monochromator using an interference filter having different wavelength bands is employed to the apparatus for analyzing milk, and the amount of milk samples used at one time is increased, so components of milk are simultaneously examined The apparatus for analyzing milk has a portable structure, so the components of milk are simply, rapidly and easily determined in the field, and the apparatus for analyzing milk is inexpensive as compared with existing apparatuses, thereby increasing the productivity

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

(22) Date of filing of Application :30/01/2013

(21) Application No.939/DELNP/2013 A

(43) Publication Date: 31/10/2014

# (54) Title of the invention: METHOD AND PROGRAM FOR CELL BARRING IN A CELLULAR NETWORK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:H04W48/02 :10 007 963.1 :30/07/2010 :EPO :PCT/EP2011/003806 :29/07/2011 :WO 2012/013355 :NA :NA	(71)Name of Applicant:  1)DEUTSCHE TELEKOM AG  Address of Applicant: Friedrich Ebert Allee 140 53113 Bonn Germany (72)Name of Inventor:  1)KLATT Axel
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

(19) INDIA

The present invention relates to a method and a program for selective access control to shared resources in a cellular mobile network. It enables the protection of the network in case of overload situations and is applicable to any cellular mobile network like GERAN UTRAN LTE / E UTRAN LTE Advanced cdma2000 WiMAX WiBro etc wherein on a per connection or preferably on a per application or subscription base the access toward a shared medium can be controlled by the operator in order to handle high load or overload situation while maintaining service operation. The basic principle of the present invention is the configuration of individual access barring scaling factors and or access barring time scaling factors or individual access barring times on a per terminal basis in order to differentiate terminals or service classes or applications during access to a shared medium.

No. of Pages: 28 No. of Claims: 14

(21) Application No.936/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :30/01/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: SYSTEM AND METHOD FOR EFFICIENTLY DEPLOYING MASSIVELY DIVERSE PROGRAM INSTANCES TO RESIST DIFFERENTIAL ATTACKS

(51) International classification :G06F9/44,G06F21/00,G06F9/45 (71)Name of Applicant :
(31) Priority Document No :NA 1)IRDETO CANADA CORPORATION

(32) Priority Date :NA
(33) Name of priority country :NA

(86) International Application
No
:PCT/CA2010/001168
:29/07/2010

Filing Date .25/07/2010 (87) International Publication No:WO 2012/012861

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

(62) Divisional to Application Number :NA Filing Date :NA (72)Name of Inventor:
1)DURAND Robert
2)LIEM Clifford

Ontario K2K 3G5 Canada

3)EISEN Philip Allan

Address of Applicant :2500 Solandt Road Suite 300 Ottawa

(57) Abstract:

A system and method for producing a massive number of diverse program instances so as to deter differential attacks collusion and similar hostile actions. Code portions are shown to be defined in various manners instantiated and aggregated. The system and method establishes a very large number of program instances that may be deployed. Furthermore testing is accomplished over a minimal set of instances to provide for high test coverage and high confidence over the fully deployed instance set without incurring a high testing penalty.

No. of Pages: 40 No. of Claims: 49

(21) Application No.974/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :31/01/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : PROCESS FOR PURIFICATION OF VEGETABLE OILS UPON WITHDRAWAL OF SOLIDS BY CENTRIFUGATION IN THE MISCELLA STAGE

(51) International :B01D11/02,C11B3/00,B01D21/26

:WO 2012/016307

classification (31) Priority Document No :01810028053

(32) Priority Date :02/08/2010
(33) Name of priority country :Brazil

(86) International Application :PCT/BR2011/000042

No :14/02/2011

Filing Date

(87) International Publication

(61) Patent of Addition to :NA

Application Number Filing Date :NA

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

1)GRANOL INDUSTRIA COM‰RCIO E EXPORTA‡AO

SA

Address of Applicant :Daia Quadra 3 Modulo 45 e 6 Industrial

Anapolis Goiania 75045 190 Brazil (72)Name of Inventor:

1)DIEGO FERRES DELLAPIANE Juan 2)ANTHERO CATANIO PELLOSO Jos

#### (57) Abstract:

Process for purification of vegetable oils upon withdrawal of solids by centrifugation in the miscella stage consists of the industrial extraction of vegetable oils including the soybean oil by using a solvent usually a mixture of hydrocarbons in which the main constituent is hexane. The percolation extractors that operate continuously and in countercurrent provide an optimized extraction and a good performance. The replacement of the traditional miscella purification processes by a process of Centrif ugation in the mixture of oil and solvent (miscella) within the process with the removal of solids contained therein returning it to the extractor results in final products as oil and lecithin of a better quality also providing a better functioning of the process by avoiding fouling in heat exchangers and distillation of solvent reducing downtime and lower fuel consumption resulting in lower production costs.

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

(21) Application No.2412/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: ELECTRICAL INSTALLATION FOR AN ARC FURNACE

(51) International classification	:H02J3/18,H05B7/144	(71)Name of Applicant:
(31) Priority Document No	:10178352.0	1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date	:22/09/2010	Address of Applicant: Wittelsbacherplatz 2 80333 M <sup>1</sup> / <sub>4</sub> nchen
(33) Name of priority country	:EPO	Germany
(86) International Application No	:PCT/EP2011/061925	(72)Name of Inventor:
Filing Date	:13/07/2011	1)WELKER Hans Herbert
(87) International Publication No	:WO 2012/038113	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to an electrical installation of an arc furnace for melting metals comprising a power factor correction unit and a control unit for driving the power factor correction unit wherein at least one control parameter is variable within a predetermined control parameter range. In this case a restricted control parameter subrange is predetermined for the control parameter and the electrical installation comprises an operating unit by means of which the control parameter is adjustable within the control parameter subrange. Thus the flexibility of the electrical installation is increased and the operator has more room for manoeuvre with respect to operation and maintenance of the installation in comparison with known embodiments.

No. of Pages: 13 No. of Claims: 12

(21) Application No.2329/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application: 15/03/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention : STABILIZATION OF IMMUNOGLOBULINS THROUGH AQUEOUS FORMULATION WITH HISTIDINE AT WEAK ACIDIC TO NEUTRAL PH

(51) International :A61K38/00,A61K38/48,A61K39/395

classification .A01K38/00,A01K38/48,A01F

(31) Priority Document No :61/384209 (32) Priority Date :17/09/2010

(33) Name of priority :U.S.A.

country

(86) International Application No :PCT/US2011/052053

Filing Date :16/09/2011

(87) International :WO 2012/037534

Publication No (61) Patent of Addition to

Application Number :NA :NA

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

(71)Name of Applicant:

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(72)Name of Inventor:

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2)K-LBL Bernhard 3)HOFBAUER Lucia 4)TESCHNER Wolfgang 5)SCHWARZ Hans Peter

(57) Abstract:

The present invention provides among other aspects storage stabile aqueous formulations of immunoglobulins with histidine at a mildly acidic to neutral pH. The present invention also provides methods for stabilizing immunoglobulin compositions by formulating with histidine at a mildly acidic to neutral pH. Advantageously the methods and formulations provided herein allow stabile aqueous compositions of immunoglobulins at mildly acidic to neutral pH useful for parenteral administration.

No. of Pages: 149 No. of Claims: 78

(19) INDIA

(21) Application No.2330/DELNP/2013 A

(--) -- -- --

(22) Date of filing of Application :15/03/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: SOMATOSTATIN RECEPTOR BASED CANCER THERAPY

(51) International classification	:A61K35/12,A61K49/18,A61K49/06	(71)Name of Applicant: 1)THE BOARD OF REGENTS OF THE UNIVERSITY OF
(31) Priority Document No	:61/380920	TEXAS SYSTEM
(32) Priority Date	:08/09/2010	Address of Applicant :201 West 7th St. Austin TX 78701
(33) Name of priority	:U.S.A.	U.S.A.
country	.O.S.A.	(72)Name of Inventor:
(86) International	:PCT/US2011/050803	1)KUNDRA Vikas
Application No	:08/09/2011	
Filing Date	.00/05/2011	
(87) International	:WO 2012/033901	
Publication No	6 2012/0309 01	
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date		
(62) Divisional to	:NA	
Application Number	:NA	
Filing Date		

#### (57) Abstract:

Methods and composition for cell based therapy as well as somatostatin receptor based therapy are described. For example in certain aspects methods for administering an anti tumor therapy using a signaling defective somatostatin receptor mutant are described. Furthermore the invention provides compositions and methods involve a somatostatin constitutively active somatostatin receptor mutant.

No. of Pages: 135 No. of Claims: 58

# **CONTINUED TO PART-2**

#### CONTINUED FROM PART-1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.140/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application: 16/01/2013

(43) Publication Date: 31/10/2014

#### (54) Title of the invention: METHOD AND APPARATUS FOR BIOMASS PYROLYSIS GASIFICATION VIA TWO INTERCONNECTED FURNACES

:C10J3/66,C10J3/48,C10J3/46 (71)Name of Applicant : (51) International classification

(31) Priority Document No :201010234122.9 (32) Priority Date :20/07/2010

(33) Name of priority country :China

(86) International Application No :PCT/CN2011/076917 :06/07/2011

Filing Date (87) International Publication No :WO 2012/010058

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

Filing Date

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

1) WUHAN KAIDI HOLDING INVESTMENT CO. LTD.

Address of Applicant : Kaidi Building T1 Jiangxia Avenue East Lake Hi Tech Development Zone Wuhan Hubei 430223

China

(72)Name of Inventor: 1)TANG Hongming 2)ZHANG Yanfeng

3)CHEN Yilong

#### (57) Abstract:

A method and an apparatus for biomass pyrolysis gasification via two interconnected furnaces. The method uses a high heat capacity solid particle as an energy carrier and saturated water as an oxidizer. First the biomass is subjected to a low temperature pyrolysis at a temperature between 500 and 800°C to obtain an alkali metal oxide free crude synthetic gas and coke. Next the crude synthetic gas and the coke are subjected to a high temperature gasification at a temperature between 1200 and 1600°C to obtain a tar free synthetic gas. Finally the synthetic gas generated is subjected to a sequence of cooling dust removal acid removal and dehydration processes. The device comprises: a gasification furnace (4) and a pyrolysis furnace (6) arranged one on top of the other the inner cavities thereof being interconnected a particle heater (10) a plasma torch heater (11) an exhaust fan (12) and a first heat exchanger (13) cyclically arranged a water storage container (16) for making the saturated water vapor a water delivery pump (15) a second heat exchanger (14) a dust remover (17) an acid remover (18) and a dehydration device (19).

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

(22) Date of filing of Application :24/01/2013 (43) Publication Date : 31/10/2014

(54) Title of the invention : THREE IN ONE (HOT AIR, DRY AIR AND GRADING) MASS BALANCE OSCILLATING CONVEYOR

(51) International classification	:B65G27/00, B65G27/30, B65G27/08, B65G27	(71)Name of Applicant:  1)RAJASAHEB MAHIBUBSAHEB SHAIKH Address of Applicant:1, BIDIWALE RESIDENCY, KESRE GALLI, KHANBHAG, SANGLI-416416. Maharashtra India
(31) Priority Document No	:NA	(72)Name of Inventor:
(32) Priority Date	:NA	1)RAJASAHEB MAHIBUBSAHEB SHAIKH
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Three in one (Hot Air, Dry Air and Grading) Mass balancing oscillating conveyor consists of little more than a corrugated S.S. multi tray with screens according to grain sizes, and some type of vibrating mechanism that is designed to oscillate at either a high frequency and low amplitude, or low frequency and high amplitude. With these relatively simple conveyors, the shaking motion is sufficient to move either large or small items depending on the frequency and amplitude of the vibrations. The Three in One (Hot Air, Dry Air and Grading) replaces wooden or metal slat, wooden connecting rod and M S trough (tray) to suspension mounting set (durable steel and rubber combination), steel connecting rod in eccentric shaft drive mechanism and S.S. trough (tray) respectively. The sugar received from centrifugals contains good amount of very fine sugar dust which has to be separated at the sets of screen Dry seed + Dust, S2-30, Sl-30 and M-30 respectively. The half trough is replaced by a four screen (Dry seed + Dust, S2-30, Sl-30 and M-30), may serve as vibrating screen. Screened sugar dust from Dry seed + Dust screen and Screened roris from screen M-30 is conveying towards dust melting arrangement (dry seed mixture). Further conveying material is screened thru the remaining screens (S2-30 AND Sl-30) according to their grain size, it is convoyed via outlet chute placed at the bottom of S.S. trough (tray). The dust separation system incorporates an exhaust fan to suck the dust, a separator and dust melting arrangement. Dust catching system not only saves wastage of sugar but also protects the equipment and environment in the sugar house. Moreover the sugar dust is explosive by nature and release of sugar dust in an enclosed surrounding is fraught with grave risk. Transparent flexible shutter flap is stretched (open and close) with the help of velcro strips which protect conveying material from dust and other contamination. It acts as a cover and keeps conveying material hygienic. Hot air collector chute sucks the hot air from system. Moisture collector chute sucks the moisture from system Set of screen is fixed on S.S. through according to grain size application. Set of screen is fixed next to corrugated S.S. multi tray. Which eliminate five no of machine receiving grass hopper plain tray, hot air grass hopper with multi tray, dry air grass hopper with multi tray, chain type bucket elevator centrifugal discharge and sugar grader from conventional system. Set of screen is fixed on S.S. through according to grain size application. Set of screen is fixed next to corrugated S.S. multi tray. Corrugated S.S. multi tray is fixed on S.S. through which is in corrugated shape having air ventilation slots, its increase surface area of tray and perfect air the flow of hot air at first stage 4m and second stage dry air next 4 m (sugar which contain two percent to five percent moisture) in a cool and relatively moist atmosphere, so that they continue to retain their moisture and do not become lumps. This is third stage for screening. After screening according to different dry sugar grains size it is then conveyed to storage bin. Sugar is then sent to be packed in the familiar packaging we see in grocery stores, in bulk packaging, or in liquid form for industrial use.

No. of Pages: 25 No. of Claims: 44

(12) FATENT AFFLICATION FUBLICATION

(22) Date of filing of Application :18/01/2013 (43) Publication Date : 31/10/2014

(54) Title of the invention: FUSION AUDIO SYSTEM.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	H04L29/08 :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)ABHIJEET KHADAKHADI  Address of Applicant: 125 OMKAR NAGAR, MANEWADA, RING ROAD, NAGPUR 440 027 Maharashtra India (72)Name of Inventor:  1)ABHIJEET KHADAKHADI
11		1)ABHIJEET KHADAKHADI
11		1)ABHIJEET KHADAKHADI
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.172/MUM/2013 A

#### (57) Abstract:

(19) INDIA

The present invention aims at providing on the go music system to all the two wheeler riders. The music system assembly can be mounted or connected directly or indirectly to all the possible vehicles. The device can be installed without modifying the existing look of the vehicle. It can be fitted either during the manufacturing of the vehicle or even after it is delivered to the end customer. Installation of the circuit in no ways hampers the functioning of the system in any ways. While designing the circuit utmost care was taken that it is not causing any discomfort either to the rider or the pillion rider. Enjoying music on the go was till date a thing only for the wheeler users how so ever In India on an average approximately seven million motorcycles and scooters every year compared to about 1.5 million passenger vehicles are sold, making it the second biggest two-wheeler market in the world, behind China. And still, according to the latest estimates, only 23% of urban households and less than 10% of rural households own a two-wheeler. There are more than seven million new bicycle users every year in India, and most of them aspire to upgrade to two-wheelers. The growing aspirations, expanding road networks and growth of satellite townships are factors further spurring two-wheeler demand. To provide a constant supply of the power for driving the circuit, voltage of the battery is used to obtain the desired power. The assembly can possibly be removed from the system (automobile) and can be installed separately as an independent audio system. It is possible to make use of driver circuit assembly for driving necessary out put including usb and other ports, operational amplifier directly or indirectly. The system is capable of accepting all the external devices right from usb to external hard disk and to take necessary data for the system to work. The existing mechanism of the vehicle is not hampered or altered in any way causing in convenience to the system. The system is capable of providing mobile charging to all possible handsets.

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

(22) Date of filing of Application :24/01/2013 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: SIMULTANEOUS DRY BLANCHING AND DRYING OF BUTTON MUSHROOM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A23B7/022, A23L1/10, A23L1/212, A23B7/0 :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY Address of Applicant:INDIAN INSTITUTE OF TECHNOLOGY BOMBAY, POWAI, MUMBAI 400076, MAHARASHTRA, INDIA (72)Name of Inventor: 1)GIRISH KUMAR 2)NARENDRA G. SHAH 3)IPSITA DAS
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	
/ · _ · _ ·		

#### (57) Abstract:

This invention is related to food processing and preservation in general, and in particular, dehydration of mushroom using microwave (MW) enhanced hot air heating and drying system. The steps in processing of mushroom are washing, sorting, slicing, blanching and drying operation. This invention works by applying microwave energy to heat up the food product for simultaneous blanching and partial dehydration and then followed by hot air drying to accelerate the dehydration process. This technology does not involve the addition of steam or water for the blanching process so it has been named dry blanching technology. Conventional blanching requires use of steam or water. The microwave dry blanching technology is intended to be a replacement of steam/water blanching technique. The partial removal of the moisture during blanching makes the whole drying process more energy efficient than conventional method. In general, the advantages of microwave dry blanching are 1) Elimination of need of water or steam for blanching 2) Achieving blanching and partial dehydration in single step 3) Reduce the processing time significantly making it more energy efficient process.

No. of Pages: 22 No. of Claims: 11

(22) Date of filing of Application :24/01/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: BETA-CRYPTOXANTHIN FROM PLANT SOURCE AND A PROCESS FOR ITS PREPARATION

(51) International classification	C07C35/00, C07C35/08, C07C4	(71)Name of Applicant:  1)OMNIACTIVE HEALTH TECHNOLOGIES LTD.  Address of Applicant:OMNIACTIVE HEALTH TECHNOLOGIES LTD. RAJAN HOUSE, APPASAHEB
(31) Priority Document No	:NA	MARATHE MARG, PRABHADEVI, MUMBAI- 400025,
(32) Priority Date	:NA	MAHARASHTRA, INDIA
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)SUNILKUMAR T. K.
Filing Date	:NA	2)DR. SHANKARANARAYANA M. L.
(87) International Publication No	: NA	3)SHERENA P. A.
(61) Patent of Addition to Application Number	:NA	4)SHANKARANARAYANAN. J
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention provides beta-cryptoxanthin crystals from plant source and a process for its preparation. The present invention particularly relates to a process for the preparation of high purity beta-cryptoxanthin crystals containing at least 80% wt./wt. total xanthophylls out of which the trans-beta-cryptoxanthin is at least 90% wt/wt and the remaining being alpha-cryptoxanthin, beta-carotene, and trace amounts of trans-capsanthin and other carotenoids derived from the plant source, preferably capsicum fruits. The production of beta-cryptoxanthin crystals with high content of trans-beta-cryptoxanthin makes it ideal and suitable for use as a provitamin A source material and also has potential effects on improving bone health and inhibiting bone resorption.

No. of Pages: 41 No. of Claims: 28

(21) Application No.2214/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :27/11/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: PROCESS FOR MANUFACTURING COATED 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></ul>	:B41M5/50,B41M5/52,B41M5/42 :11168651.5 :03/06/2011 :EPO	(71)Name of Applicant:  1)OMYA INTERNATIONAL AG Address of Applicant: Baslerstrasse 42 CH 4665 Oftringen Switzerland.
(86) International Application No Filing Date (87) International Publication No	:PCT/EP2012/059374 :21/05/2012 :WO 2012/163711	<ul> <li>(72)Name of Inventor:</li> <li>1)GANE Patrick A. C.</li> <li>2)RIDGWAY Catherine Jean</li> <li>3)SCHENKER Michel</li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention relates to a process for manufacturing coated substrates by providing a substrate providing at least one mineral material providing a polysaccharide material comprising one or more polysaccharides coating the substrate with the at least one mineral material and coating the resulting pre coat layer of mineral material with the gel comprising one or more polysaccharides as well as the coated substrate obtained by this process and its use.

No. of Pages: 49 No. of Claims: 24

(22) Date of filing of Application :27/11/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: METHOD OF WIND TURBINE YAW ANGLE CONTROL AND WIND TURBINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:F03D7/02,F03D7/04 :a 2011 06319 :19/05/2011 :Ukraine :PCT/UA2011/000130 :27/12/2011 :WO 2012/158131 :NA	(71)Name of Applicant:  1)MITA TEKNIK A/S Address of Applicant: HÃndværkervej 1 DK 8840 RÃ,dkærsbro Denmark (72)Name of Inventor: 1)MYKHAYLYSHYN Viktor
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention relates to the wind power engineering and to the method of controlling a yaw angle of the wind turbine equipped with a horizontal rotor shaft as well as to the wind turbine for implementing the method. According to the method of the present invention the time difference between the time moments when the rotor blades are in the lower vertical position the said time moments derived from the reference signal of the sensor connected to the rotor shaft and the time moments when the blades are on one line with the wind direction and the tower the said time moments derived from the periodic signal of the spurious amplitude modulation generated by the AC generator and caused by aerodynamic interaction between the blades and the tower is used as the indication of actual position of the wind turbine rotor relative to the wind direction. The wind turbine of the present invention comprises a yaw controller including the functional units suitable for generating a control signal for rotating a nacelle of wind turbine based on the given time difference in order to compensate the existing yaw error.

No. of Pages: 22 No. of Claims: 8

(21) Application No.2216/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application: 27/11/2013

(43) Publication Date: 31/10/2014

## (54) Title of the invention: DISC DISPENSING DEVICE TUBULAR CONTAINER FOR USE IN SUCH A DISC DISPENSING DEVICE AND METHOD OF DISPENSING DISCS

(51) International :C12M1/00,G01N35/00,G01N35/10 classification

(31) Priority Document No :11164226.0 (32) Priority Date :29/04/2011

(33) Name of priority country: EPO

(86) International Application :PCT/NL2012/050288

No

:27/04/2012 Filing Date

(87) International Publication: WO 2012/148273

(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)BD KIESTRA B.V.

Address of Applicant: Marconilaan 6 NL 9207 JC Drachten

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(72)Name of Inventor: 1)BOTMA Jetze

2)KLEEFSTRA Martijn

3)VAN DER KAAP Trienko Marten

4)BERNTSEN Martijn Xander

5)VAN DER VIJVER Jan Bart

### (57) Abstract:

Disc dispensing device for dispensing discs impregnated with antibiotics onto a culture dish. The device comprises a stationary support on which a magazine is removably mounted. The magazine holds a plurality of tubular containers each containing a stack of discs to be dispensed. A moving means moves one disc from a bottom end of a tubular container to a pick up 10 position. From the pick up position a transfer means picks up said one disc and transfers it to the culture dish where it is dispensed. The removable culture dish is supported by a moveable carriage which is mounted on the stationary support. The carriage is moveable relative to the magazine from a starting position to an operating position and vice versa. Control means control the 15 operation of the device. The plurality of tubular containers is rotatable around a magazine centre under control of the control means.

No. of Pages: 23 No. of Claims: 33

(21) Application No.2218/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :27/11/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: HYBRID INTERNAL COMBUSTION ENGINE (VARIANTS THEREOF)

(51) International classification: F02B53/08,F01C1/07,F01C1/077 (71)Name of Applicant: (31) Priority Document No :a 2011 06981 1)DRACHKO Yevgeniy Fedorovich (32) Priority Date :03/06/2011 Address of Applicant :pr t ykvskg 63A 294 Kiev 02222 (33) Name of priority country :Ukraine Ukraine (86) International Application (72) Name of Inventor: :PCT/UA2012/000056 1)DRACHKO Yevgeniy Fedorovich No :31/05/2012 Filing Date (87) International Publication :WO 2012/166079 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

### (57) Abstract:

A hybrid internal combustion engine (variants thereof) comprising a body having: a circular working cavity with inlet outlet and crossflow ducts; and coaxial with the working cavity two working shafts a fixed sun gear and an output shaft with a cam on which is disposed a planetary gear with a carrier that is connected to levers of both working shafts by connecting rods wherein the crossflow channels communicate with the working cavity and connect the compression and expansion portions thereof.

No. of Pages: 55 No. of Claims: 16

(21) Application No.2219/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :27/11/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: PUNCH ARRANGEMENT FOR A PRESS AND PRESS

:NA

:NA

(51) International classification :B30B11/08,B30B15/00 (71)Name of Applicant : (31) Priority Document No :10 2011 101 289.7 1)FETTE COMPACTING GMBH (32) Priority Date Address of Applicant: Grabauer Strasse 24 21493 :10/05/2011 (33) Name of priority country Schwarzenbek Germany :Germany (86) International Application No (72)Name of Inventor: :PCT/EP2012/001687 1)MEISSNER Friedrich Filing Date :19/04/2012 (87) International Publication No :WO 2012/152371 2)MALICK Daniel (61) Patent of Addition to Application :NA :NA Filing Date

### (57) Abstract:

Filing Date

The invention relates to a punch arrangement for a press in particular a rotary press comprising at least one press punch (18 30) having a punch head (24 28) a tool region (30 32) and a punch shank (23 24) extending between the punch head (24 28) and the tool region (30 32) further comprising at least one punch guide (14 16) having at least one guide bore (74 76) in which the punch shank (22 24) of the at least one press punch (18 20) is guided in an axially movable manner and at least one variable length sealing sleeve (80) at least partially surrounding the shank (22 24) which sealing sleeve (80) is held with its first end against the punch shank (22 24) or against the tool region (30 32) of the press punch (18 20) wherein the sealing sleeve (80) is held with its second end against an inner wall of the guide bore (74 76) wherein the second end of the sealing sleeve (80) with the punch shank (22 24) located in the guide bore (74 76) is trapped between the inner wall of the guide bore (74 76) and the punch shank (22 24). The invention furthermore relates to a press and a rotary press.

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

(62) Divisional to Application Number

(21) Application No.222/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :24/01/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: HANGING VERMICOMPOST BAG

	:C12M1/00,	(71)Name of Applicant :
(51) International classification	A01K29/00,	1)MR. RAJENDRA VITHAL LADKAT
	C12M1/34	Address of Applicant :396, KASBA PETH, NEAR
(31) Priority Document No	:NA	GAONKOS MARUTI, PUNE-411 011, MAHARASHTRA,
(32) Priority Date	:NA	INDIA
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)MR. MADHURI RAJENDRA LADKAT
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		•

### (57) Abstract:

The wet garbage management bag is the ultimate answer for all residential wet garbage problems, converting all of it into compost by the use of earthworms/ effective microorganism (EM) solutions. The bag is rigid, made from non porous material and has a mesh that divides the bag into two compartments allowing the segregation of vermicompost and ieachate.

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

(21) Application No.2220/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application: 27/11/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: METHOD FOR OPERATING A PLANT FOR PRODUCING TABLETS

(51) International :B30B11/00,B30B11/08,B30B15/02

classification

(31) Priority Document No :10 2011 101 288.9 :10/05/2011 (32) Priority Date (33) Name of priority country: Germany

(86) International Application :PCT/EP2012/001691

:19/04/2012 Filing Date

(87) International Publication :WO 2012/152375

No

(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)FETTE COMPACTING GMBH

Address of Applicant : Grabauer Strasse 24 21493

Schwarzenbek Germany (72)Name of Inventor: 1)LÃDEMANN Stefan 2)MEIER Matthias

(57) Abstract:

The invention relates to a method for operating a plant for producing tablets which has at least one rotary press and a computer system wherein the computer system contains operating and control software for controlling and monitoring the operation of the rotary press and wherein the rotary press is designed for the installation of different types of rotors wherein a data record matched to each rotor type is stored in a memory and communication component on the rotors and before the rotor type is put into operation the data record is read and stored in the computer system in order to automatically match the operating and control software and user interface to the rotor type.

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

(21) Application No.160/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :17/01/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: A DIN RAIL LATCHING ARRANGEMENT

<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>	:H02B1/052 :NA :NA :NA	(71)Name of Applicant:  1)ASCO POWER TECHNOLOGIES, L.P. Address of Applicant:50 HANOVER ROAD FLORHAM PARK, NJ 07932 USA.
(86) International Application No Filing Date (87) International Publication No	:NA :NA :NA	(72)Name of Inventor: 1)GOLE DEVANAND 2)PATIL SANDEEP
<ul><li>(61) Patent of Addition to Application Number</li><li>Filing Date</li><li>(62) Divisional to Application Number</li><li>Filing Date</li></ul>	:NA :NA :NA :NA	3)ATUL DANGAT

## (57) Abstract:

A latching arrangement for detachably mounting a device on a DIN rail includes a support member, a guiding slot, an engaging lug and an urging element. The support member is configured on either sides of the device and receives the DIN rail. The guiding slot is spaced away from the support member. The engaging lug is received in the guiding slot and moves between an engaging, extended configuration in which the engaging lug moves towards the support member and engages with DIN rail and a retracted, disengaging configuration in which the engaging lug is pulled away from support member to disengage from DIN rail. The urging element is configured between a first operative configuration in which the urging element urges the engagement lug towards support member and a second operative configuration in which the urging element is moved to facilitate moving of the engaging lug away from the support member.

No. of Pages: 46 No. of Claims: 9

(22) Date of filing of Application :28/11/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: METHOD AND APPARATUS FOR INTER RAT CELL RESELECTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H04W48/18 :61/498471 :17/06/2011 :U.S.A. :PCT/US2012/042758 :15/06/2012 :WO 2012/174440 :NA	(71)Name of Applicant:  1)QUALCOMM INCORPORATED  Address of Applicant: Attn: International IP Administration 5775 Morehouse Drive San Diego CA 92121 1714 USA. (72)Name of Inventor:  1)RAMACHANDRAN Shyamal  2)KLINGENBRUNN Thomas
` /		
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Certain aspects of the disclosure relate generally to search of radio access technologies (RAT). For example certain aspects of the present disclosure relate to a technique for facilitating higher priority radio access technology (RAT) search and cell reselection in areas having a plurality of overlapping RATs such as GSM and LTE. According to certain aspects a user equipment (UE) may generate a local set of cell reselection parameters based on one or more default cell reselection parameters and/or stored system information received during previous connects with found cells. According to certain aspects the UE may perform cell reselection based on the local set of cell reselection parameters.

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

(21) Application No.2226/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :28/11/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: MULTI RADIO IN DEVICE COEXISTENCE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H04W72/12 :61/500282 :23/06/2011 :U.S.A. :PCT/US2012/043139 :19/06/2012 :WO 2012/177634 :NA	(71)Name of Applicant:  1)QUALCOMM INCORPORATED  Address of Applicant: 5775 Morehouse Drive Attn: International IP Administration San Diego CA 92121 USA. (72)Name of Inventor:  1)WANG Jibing  2)LINSKY Joel Benjamin  3)TSOU Eric Y.
. ,		3)TSOU Eric Y.
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

In a multi radio user equipment communications on a Long Term Evolution (LTE) radio and Wireless Local Area Network (WLAN) radio operating in Wi Fi mode may be aligned to reduce interference between the two radios. Communications of the WLAN radio may be aligned to the LTE radio using Notice of Absence (NoA) functionality.

No. of Pages: 42 No. of Claims: 20

(22) Date of filing of Application :28/11/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: METHOD AND DEVICE FOR OBTAINING STARTING UP TIME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G06F11/34 :201210040970.5 :22/02/2012 :China :PCT/CN2012/087636 :27/12/2012 :WO 2013/123815 :NA :NA :NA	(71)Name of Applicant:  1)TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED  Address of Applicant: Room 403 East Block 2 SEG Park Zhenxing Road Futian District Shenzhen Guangdong 518000 China (72)Name of Inventor:  1)NIE Kefeng 2)LIN Daozheng
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#### (57) Abstract:

Disclosed are a method and device for obtaining starting up time relating to the technical field of computer. The method for obtaining starting up time comprises: obtaining a first time quantum and a second time quantum processes corresponding to a boot program in the first time quantum being all spaced by the time of established moment and the usage rates of the Central Processing Unit (CPU) within preset time in the second time quantum being all lower than a preset threshold value; and judging whether a program is run within the second time quantum by a user and if so obtaining the starting up time according to the first time quantum the second time quantum and a preset error factor. The present invention improves accuracy of the starting up time.

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

(22) Date of filing of Application :27/11/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention: TRANSMISSION DEVICE RECEPTION DEVICE TRANSMISSION METHOD AND RECEPTION METHOD

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No :2011-176855 :12/08/2011 C :Japan :PCT/JP2012/004786 2	(71)Name of Applicant:  1)PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA Address of Applicant: 20000 MARINER AVENUE, SUITE 200, TORRANCE CA 90503, USA. (72)Name of Inventor: 1)HORIUCHI Ayako 2)NISHIO Akihiko
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### (57) Abstract:

Provided are a transmission device a reception device a transmission method and a reception method wherein it is possible to improve the reception quality of a control signal. In a base station (100) a division number calculating unit (103) calculates the division number of a PRB pair on the basis of a first number of REs capable of mapping an allocation control signal a second number of REs capable of mapping signals other than the allocation control signal and a reference value which is the number of REs satisfying the reception quality request in a terminal (200) for the allocation control signal in each PRB pair. Then a control signal mapping control unit (104) determines a search space by determining a control channel element group constituting a plurality of mapping unit resource region candidates within a CCE group obtained by separating each PRB pair contained in a first group into the same number as the division number.

No. of Pages: 71 No. of Claims: 14

(22) Date of filing of Application :27/11/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: LONGER LIFE SOLAR POWER PLANT RECEIVER

(51) International classification	:F24J2/07,F24J2/16,F24J2/46	
(31) Priority Document No	:1154769	1)COMMISSARIAT à LÉNERGIE ATOMIQUE ET
(32) Priority Date	:31/05/2011	AUX ÉNERGIES ALTERNATIVES
(33) Name of priority country	:France	Address of Applicant :25 rue Leblanc BÃtiment Le Ponant D
(86) International Application No	:PCT/EP2012/060134	F 75015 Paris France.
Filing Date	:30/05/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2012/163962	1)COUTURIER Raphaël
(61) Patent of Addition to	:NA	2)FLEURY Gatien
Application Number	:NA	3)BREGEARD Etienne
Filing Date	.NA	4)BRUCH Arnaud
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	.IVA	

## (57) Abstract:

The invention relates to a solar receiver of longitudinal axis comprising: an absorber (A); a beam (6) extending over the entire length of the solar receiver and intended for suspending the receiver in the power plant; and a protective casing (12 16) mounted around the beam (6) and containing a thermal insulator that surrounds the beam (6) said protective casing being intended to protect the beam (6) from heating from the solar flux (F). The beam (6) and the protective casing (12 16) can slide in relation to one another along the longitudinal axis.

No. of Pages: 30 No. of Claims: 19

(22) Date of filing of Application :27/11/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: METHOD FOR SEPARATING OVERSPRAY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B05B15/12 :10 2011 113 708.8 :17/09/2011 :Germany :PCT/EP2012/003708 :05/09/2012 :WO 2013/037461 :NA :NA	(71)Name of Applicant:  1)EISENMANN AG  Address of Applicant: Tù/4binger Str. 81 71032 BÃblingen Germany (72)Name of Inventor:  1)SCHLIPF Michael
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In a method for separating overspray produced during the painting of objects the overspray is absorbed by an air flow and transported to a separating surface (26) of a separating device (16) over which a separating liquid (58) flows. In said process a large part of the overspray merges with the separating liquid is transported away by said separating liquid and is removed from the separating liquid by separation. Separating liquid (58) is fed to the separating surface (26) by means of a dispensing device (32) which is arranged in such a way that the total discharge mass flow (GM) of the separating liquid (58) is dependent at least on the viscosity of the separating liquid (58). Furthermore separating liquid (58) having a predetermined inlet mass flow (ZM) is fed to the dispensing device (32) wherein the inlet mass flow (ZM) of the dispensing device (32) is equal to the total mass flow (GM) and the viscosity of the separation liquid (58) during the operation of the separation device (32) is calculated.

No. of Pages: 33 No. of Claims: 3

(22) Date of filing of Application :27/11/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: ROTARY PRESS AND METHOD FOR OPERATING A ROTARY PRESS

(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  (88) International Application No SPCT/EP2012/001688 SPCT/EP2012/0016		Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:19/04/2012 :WO 2012/152372 :NA :NA :NA	1)LÃDEMANN Stefan 2)MALICK Daniel
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#### (57) Abstract:

The invention relates to a rotary press having a rotor wherein the rotor comprises an upper and a lower punch guide and a die table (12) arranged between the upper and lower punch guide furthermore having upper and lower press punches (14 16) which interact with die bores in the die table wherein the rotary press comprises a plurality of stations namely at least one filling station (18 66) in which material to be pressed is filled into the die bores at least one metering station (24 28) in which the material filled into the die bores is metered at least one pressure station (32 38 44) in which the metered material filled into the die bores is compressed by the upper and lower press punches (14 16) to form pellets and at least one ejector station (50 70) in which the compressed pellets are ejected wherein at least one of the stations is movable from its operating position into a rest position in which the production process of the rotary press for producing pellets with the stations that remain in each case in an operating position is still possible but the at least one station located in the rest position has no effect on the production process. The invention furthermore relates to a method for operating a rotary press.

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

(22) Date of filing of Application :28/11/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: RECEIVING DEVICE AND METHOD INFORMATION DISTRIBUTION DEVICE AND METHOD AND INFORMATION DISTRIBUTION SYSTEM

(51) International classification :H04B1/06,H02J13/00,H04B1/16 (71)Name of Applicant: (31) Priority Document No 1)SONY CORPORATION :2011126026 (32) Priority Date Address of Applicant: 17 1 Konan Minato ku Tokyo 1080075 :06/06/2011 (33) Name of priority country :Japan (86) International Application (72)Name of Inventor: :PCT/JP2012/063910 1)YAMAGISHI Yasuaki :30/05/2012 Filing Date (87) International Publication :WO 2012/169402 Nο (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

# (57) Abstract:

The present invention pertains to a receiving device and method an information distribution device and method and an information distribution system which enable the load on a power system to be reduced when distributing information. A power supply information reporting unit reports power supply information which includes information related to power supply quantity and power supply time when content is received to a monitoring and control device which monitors and controls the supply of power to the power system on the basis of content distribution information distributed over a distribution frequency band in a distribution time period reported by the information device which distributes content. A control unit keeps content in a receivable state on the basis of the reported distribution information when power supply is to be secured in a distribution time period by evaluating the feasibility of a power supply based on the power supply information from the monitoring and control device. A content receiving unit receives content to be distributed from the information distribution device. The present invention can be used in content distribution systems that distribute content for example.

No. of Pages: 104 No. of Claims: 15

(21) Application No.2231/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :28/11/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: METHOD FOR CUTTING ONE OR MORE GLASS PANELS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:22/05/2012 :WO 2012/164200 :NA :NA	(71)Name of Applicant:  1)SAINT GOBAIN GLASS FRANCE Address of Applicant: 18 Avenue dAlsace F 92400 Courbevoie France (72)Name of Inventor: 1)PEYRUDE Antoine 2)BILLERT Ulrich
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to a method for cutting one or more pieces of glass in at least one glass sheet including a step for reading information relating to defects in said at least one glass sheet. The method includes a step of automatically and dynamically generating an optimum cutting plane for each of said at least one glass sheet on the basis of at least some of the information relating to the defects.

No. of Pages: 23 No. of Claims: 13

(22) Date of filing of Application :28/11/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: METHODS AND SYSTEMS FOR IDENTIFYING CONTENT IN A DATA STREAM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:G06F17/30 :61/495571 :10/06/2011 :U.S.A. :PCT/US2012/040754 :04/06/2012 :WO 2012/170353	(71)Name of Applicant:  1)SHAZAM ENTERTAINMENT LTD.  Address of Applicant: 26 28 Hammersmith Grove London W6 7HA U.K. (72)Name of Inventor:  1)WANG Avery Li Chun
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	

### (57) Abstract:

Methods and systems for identifying content in a data stream are provided. In one example a client device receives a continuous data stream and substantially continuously performs a content identification of content in the data stream based on content patterns stored on the client device. The content patterns stored on the client device may include information associated with extracted features of a media file or a temporally mapped collection of features describing a media file. The client device may determine whether the continuous data stream includes media content and based on the determination continuously perform the content identification of content in the data stream at the client device. The client device may query a server to determine an identity of content in the data stream based on receiving an instruction.

No. of Pages: 43 No. of Claims: 32

(22) Date of filing of Application :28/11/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : METHODS AND SYSTEMS FOR PERFORMING COMPARISONS OF RECEIVED DATA AND PROVIDING A FOLLOW ON SERVICE BASED ON THE COMPARISONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:61/494577 :08/06/2011 :U.S.A. :PCT/US2012/040969 :06/06/2012 :WO 2012/170451 :NA :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)SHAZAM ENTERTAINMENT LTD.</li> <li>Address of Applicant: 26 28 Hammersmith Grove London W6</li> <li>7HA U.K.</li> <li>(72)Name of Inventor:</li> <li>1)WANG Avery Li chun</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Methods and systems for performing comparisons of received data and providing a follow on service based on the comparisons are described. In one example a performer may utilize a portable device that includes a microphone to record a data stream of content from an ambient environment of a venue and provide the data stream of content to a server. A user may utilize another portable device that includes a microphone to record a sample of the content from the ambient environment and may send the sample to the server. The server may perform a comparison of characteristics of the sample with characteristics of the data stream and can provide a response to the user with metadata. Further based on the comparison the server may register a presence of the user's device at the concert. The server may perform social networking functions based on results of content identification functions.

No. of Pages: 55 No. of Claims: 47

(21) Application No.1763/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/09/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: INTERACTIVE COGNITIVE RECOGNITION SPORTS TRAINING SYSTEM AND METHODS

(51) International classification	:G09B19/00	(71)Name of Applicant :
(31) Priority Document No	:61/443201	1)AXON SPORTS LLC
(32) Priority Date	:15/02/2011	Address of Applicant :c/o P.O. Box 14250 Portland OR 97293
(33) Name of priority country	:U.S.A.	USA.
(86) International Application No	:PCT/US2012/025320	(72)Name of Inventor:
Filing Date	:15/02/2012	1)SADA Jason
(87) International Publication No	:WO 2012/148524	2)FADDE Peter J.
(61) Patent of Addition to Application	:NA	3)CHAPA Rodolfo Jr.
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(5-5)		•

### (57) Abstract:

According to methods for teaching high performance cognitive skills a simulated sports action scenario is displayed on a screen to a user and the user is queried to respond to the scenario. The user's response to the scenario is received. The user's response to the scenario is evaluated according to predetermine high performance cognitive skills criteria to determine a sports relevant score. The determined sports relevant score is then displayed to the user and a database is updated.

No. of Pages: 53 No. of Claims: 56

(21) Application No.2159/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/11/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: EXOPOLYSACCHARIDE OF SHIGELLA SONNEI BACTERIA METHOD FOR PRODUCING SAME VACCINE AND PHARMACEUTICAL COMPOSITION CONTAINING SAME

(51) International :C12N1/00,A61K39/112,A61P37/02 classification

(31) Priority Document No

(32) Priority Date :NA (33) Name of priority country:NA

(86) International Application :PCT/RU2011/000314

No :06/05/2011 Filing Date

(87) International Publication :WO 2012/154072

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

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

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Address of Applicant: Mojaiskoye shosse 79 152 Odintzovo

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2)LVOV Vyacheslav Leonidovich

3)ELKINA Stanislava Ivanovna

4)GOLOVINA Marina Eduardovna

5)SHMIGOL Vladimir Igorevich

### (57) Abstract:

Filing Date

For the first time an O specific polysaccharide antigen that is a phase I exopolysaccharide has been produced and characterized said exopolysaccharide being an authentic natural compound in the form of a bacterial capsular polysaccharide consisting of 1 100 repeating disaccharide units of 0 [4 amino 2 (N acetyl)amino 2 4 dideoxy D galactopyranosyl] (14) 0 [2 (N acetyl)amino 2 deoxy a L altrpyranuronic acid] linked by (13) bonds to form a polysaccharide chain. The exopolysaccharide has a molecular mass of from 0.4 to 400 kDa contains a non toxic lipid component namely non hydroxylated fatty acids and exhibits low pyrogenicity and high immunogenicity generating mucosal protection against shigellosis by inducing the synthesis of specific antibodies against in mammals including humans. Without using lipopolysaccharides as the source of production an exopolysaccharide with a high degree of purity is produced from a liquid phase culture of bacteria by means of a workable industrial method with a high yield. Effective highly specific and safe vaccines for the prophylaxis and/or treatment of shigellosis are developed on the basis of the above mentioned polysaccharide as well as pharmaceutical compositions with a broad spectrum of action in particular in modulating immune response.

No. of Pages: 46 No. of Claims: 65

(21) Application No.2234/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :29/11/2013

(43) Publication Date: 31/10/2014

## (54) Title of the invention: PROCESS FOR MANUFACTURING A GLASS SUBSTRATE COMPRISING PRINTED ENAMEL **PATTERNS**

(51) International

:C03C17/00,C03C17/34,B41M1/12

classification (31) Priority Document No

:1155312

(32) Priority Date

:17/06/2011 (33) Name of priority country: France

(86) International Application

:PCT/FR2012/051355

No Filing Date

:15/06/2012

(87) International Publication

:WO 2012/172269

(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)SAINT GOBAIN GLASS FRANCE

Address of Applicant :18 Avenue dAlsace F 92400

Courbevoie France (72)Name of Inventor:

1)SAVARY Jean Philippe

2)BEYRLE AndrÃ 3)CHAHBOUNE Kamel

### (57) Abstract:

The present invention relates to a process for manufacturing a one way vision glass pane comprising one or more separate enamel patterns composed of a number of exactly aligned layers process in which: a) at least one layer of a composition comprising at least one mineral pigment is deposited over all or part of the area of the pane said composition being free of glass frit b) at least one layer of an enamel composition comprising at least one glass frit and at least one mineral pigment of a different colour to the pigment of step a) is deposited by screen printing in the shape of the one or more desired patterns c) the pane coated with said layers is heated to a temperature high enough to bake the enamel and d) pigments that have not been fixed by the enamel which pigments are located outside of the one or more patterns are removed characterized in that the particles of the one or more pigments and the particles of the one or more glass frits are of similar size especially having a particle size distribution such that 50% of the particles are smaller than 7 μm in size and in that the thickness of the layer of enamel composition deposited in step b) is larger than the thickness of the pigment layer deposited in step a) the enamel layer deposited in step b) being between 20 and 100 µm in thickness and the pigment layer deposited in step a) being between 4 and 15 µm in thickness.

No. of Pages: 14 No. of Claims: 13

(21) Application No.1223/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :22/06/2013

(43) Publication Date: 31/10/2014

## (54) Title of the invention: VACCINES WITH ENHANCED IMMUNOGENICITY AND METHODS FOR THE PRODUCTION **THEREOF**

(51) International :A61K39/00,C07K14/00,A61P31/00 classification

(31) Priority Document No

(32) Priority Date :NA (33) Name of priority country: NA

(86) International Application :PCT/RU2010/000700

No :22/11/2010 Filing Date

(87) International Publication :WO 2012/070974

(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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121151 Russia

2)FARBER Sofva Borisovna

(72)Name of Inventor:

1)FARBER Boris Slavinovich 2)FARBER Sofva Borisovna

3)MARTYNOV Artur Viktorovich

### (57) Abstract:

The invention can be used in medicine and veterinary science to create oral parenteral and transdermal vaccines that are effective in the prevention of human and animal diseases. The vaccines with enhanced immunogenicity and the methods for the production thereof are characterized in that as the specific immunogenic component vaccine antigens are used which are whole or have been cleaved into oligomer fragments and the resultant mixture (ensemble) of oligomer fragments or the whole antigen are modified by changing the charge of the molecules to an opposite charge. As a result of their ability to adapt to an organism such vaccines can be used to protect that organism even from mutant variants of infectious agents which have not yet come into being. The agent has a broad spectrum of use low toxicity and is suitable for industrial production; it is highly immunogenic non allergenic rapidly metabolized and does not contain toxic ingredients.

No. of Pages: 16 No. of Claims: 70

(21) Application No.1224/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :22/06/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : DIAGNOSTIC METHOD FOR PREDICTING THE DEVELOPMENT OF CANCEROUS DISEASES AND MONITORING TREATMENT EFFICACY

(51) International classification :G01N33/531,G01N33/533,G01N33/574 (31) Priority Document No :NA :NA :NA :NA

(33) Name of priority country :NA

(86) International Application No :PCT/RU2010/000696

Filing Date :22/11/2010

(87) International Publication No :WO 2012/070970

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

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121151 Russia

2)FARBER Sofya Borisovna

(72)Name of Inventor:

1)FARBER Boris Slavinovich 2)FARBER Sofya Borisovna

3)MARTYNOV Artur Viktorovich

### (57) Abstract:

The invention relates to medicine. The diagnostic method for predicting the development of cancerous diseases consists in taking samples of patient tissue preparing microslides treating same with specific antiviral immunoglobulins and determining the number of cells infected with two or more viruses by immunofluorescence. The diagnostic method for monitoring the efficacy of treatment of cancerous diseases consists in taking samples of patient tissue preparing microslides treating same with specific antiviral immunoglobulins and determining the number of cells infected with two or more viruses by immunofluorescence before during and after the start of treatment with antiviral therapy and recording the pattern of change in the number of infected cells and the ratio thereof: if the number of infected cells drops by more than  $20\pm10\%$  treatment is considered effective; if there is no change or the number of infected cells increases treatment is considered ineffective.

No. of Pages: 28 No. of Claims: 41

(22) Date of filing of Application :29/11/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: SYSTEM AND METHOD FOR RECOGNIZING TEXT INFORMATION IN OBJECT

(51) International classification :G06K9/22,G06K9/32,G06K9/62 (71)Name of Applicant:

(31) Priority Document No :61/502781 (32) Priority Date :29/06/2011 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2012/040445

No :01/06/2012 Filing Date

(87) International Publication No:WO 2013/002955

(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 1714 USA.

(72)Name of Inventor:

1)KOO Hyung II 2)YOU Kisun

3)CHO Hyun Mook

## (57) Abstract:

A method for recognizing a text block in an object is disclosed. The text block includes a set of characters. A plurality of images of the object are captured and received. The object in the received images is then identified by extracting a pattern in one of the object images and comparing the extracted pattern with predetermined patterns. Further a boundary of the object in each of the object images is detected and verified based on predetermined size information of the identified object. Text blocks in the object images are identified based on predetermined location information of the identified object. Interim sets of characters in the identified text blocks are generated based on format information of the identified object. Based on the interim sets of characters a set of characters in the text block in the object is determined.

No. of Pages: 60 No. of Claims: 48

(21) Application No.141/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/01/2013 (43) Publication Date : 31/10/2014

:NA

:NA

# (54) Title of the invention : METHOD AND APPARATUS FOR LOW TEMPERATURE BIOMASS PYROLYSIS AND HIGH TEMPERATURE BIOMASS GASIFICATION

(51) International classification :C10J3/66,C10J3/48,C10J3/46 (71)Name of Applicant : (31) Priority Document No 1) WUHAN KAIDI HOLDING INVESTMENT CO. LTD. :201010234090.2 (32) Priority Date Address of Applicant : Kaidi Building T1 Jiangxia Avenue :20/07/2010 (33) Name of priority country East Lake Hi Tech Development Zone Wuhan Hubei 430223 :China (86) International Application No :PCT/CN2011/076921 China (72)Name of Inventor: Filing Date :06/07/2011 (87) International Publication No :WO 2012/010059 1)CHEN Yilong (61) Patent of Addition to 2)TANG Hongming :NA Application Number 3)ZHANG Yanfeng :NA Filing Date (62) Divisional to Application

## (57) Abstract:

Filing Date

Number

A method and an apparatus for low temperature biomass pyrolysis and high temperature biomass gasification. The method uses a super heated water vapor as an oxidizer and an energy carrier. First the biomass is subjected to a low temperature pyrolysis at a temperature between 500 and 800°C. Next a crude synthetic gas and coke thus obtained are subjected to a high temperature gasification at a temperature between 1200 and 1600°C to obtain a tar free synthetic gas. Finally the synthetic gas generated is subjected to a sequence of cooling dust removal acid removal and dehydration processes. The apparatus consists essentially of a pyrolysis furnace (5) a gasification furnace (9) a low temperature plasma torch heater (8) a high temperature plasma torch heater (10) a water storage container (17) a water delivery pump (16) and a heat exchanger (11).

No. of Pages: 22 No. of Claims: 10

(21) Application No.2229/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :28/11/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : ORGANIC COMPONENT COMPRISING ELECTRODES HAVING AN IMPROVED LAYOUT AND SHAPE

### (57) Abstract:

The present application relates to a component made of an active organic material said component being provided with at least one first electrode (104 204 304) and at least one second electrode (106 206 306) the first electrode and the second electrode being separated by a region of an active polymer based layer (102 302) the region of the active layer (102 302) separating the electrodes (104 204 304 106 206 306) having a variable critical dimension (DL).

No. of Pages: 27 No. of Claims: 14

(22) Date of filing of Application :24/01/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : METHOD AND SYSTEM FOR PROVIDING CALLER SPECIFIC REAL TIME INFORMATION ON A COMMUNICATION DEVICE AT THE TIME OF A CALL

	:H04L29/08,	(71)Name of Applicant:
(51) International classification	H04L29/06,	1)RETAILWARE SOFTECH PRIVATE LIMITED
	H04L12/58	Address of Applicant :C2/1102, BRAMHA MAJESTIC,
(31) Priority Document No	:NA	NIBM ROAD, KONDHWA, PUNE 411 048. Maharashtra India
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)AJIT MOTIRAM THADHANI
(86) International Application No	:NA	2)NAVNATH KUSHABA SHINDE
Filing Date	:NA	3)NAVNATH RAMBHAU LANKE
(87) International Publication No	: NA	4)YOGESH BHIMRAO NEVASE
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A method and system for providing caller specific real time information on a communication device at the time of a call. Particularly, the invention provides fetching desired caller information from a data sources by way of connecting data sources and the communication device using a DB connector; and displaying desired caller specific real time information on the communication device at the time of call, using an application installed and running the communication device.

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

(21) Application No.2392/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application: 17/12/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: SYSTEM AND METHOD FOR PERFORMING A SECURE TRANSACTION

(51) International classification	• , •	(71)Name of Applicant:
(31) Priority Document No	:61/486866	1)ACCELLS TECHNOLOGIES (2009) LTD.
(32) Priority Date	:17/05/2011	Address of Applicant :Imbar 7 49511 Petach Tikva ISRAEL.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/IL2012/050178	1)WEINER Avish Jacob
Filing Date	:16/05/2012	
(87) International Publication No	:WO 2012/156977	
(61) Patent of Addition to Application	.NI A	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A secure transaction system constituted of: a two dimensional platform arranged for variable display; at least one antenna arranged to receive a signal from a contactless element each of the at least one antenna secured at a fixed location on the two dimensional platform; a transaction server; and a poster communication device in communication with each of the at least one antenna and with the transaction server the poster communication device arranged to read an identifier of a contactless element juxtaposed with a particular one of the at least one antenna and transmit the read contactless element identifier and identification information associated with the particular antenna to the transaction server.

No. of Pages: 43 No. of Claims: 21

(22) Date of filing of Application :24/01/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : SYNTHESIS OF LOW TEMPERATURE FERROCENE CONTAINING LIQUID 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> </ul>	C07F17/00, C09K3/00, B01F17/ :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)DR. M. M. V.RAMANA Address of Applicant: DEPARTMENT OF CHEMISTRY, UNIVERSITY OF MUMBAI, VIDYANAGARI, SANTACRUZ ((EAST), MUMBAI-400 098, MAHARASHTRA, INDIA (72)Name of Inventor: 1)DR. M. M. V. RAMANA 2)NAVALE DINESH NIVRUTTI 3)ZOTE SANTOSH WAGHU
(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:

The present invention relates to the synthesis of novel liquid crystalline materials containing ferrocene unit. The invention also includes the investigation of newly synthesized compounds for their liquid crystalline properties. The main object of the present invention is to synthesize the novel ferrocenomesogens exhibiting mesophase below 1000 C.

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

(22) Date of filing of Application :29/11/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: MULTI TOWER MODULAR BEVERAGE DISPENSING SYTEM

<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>	:B65D35/56,B67D1/06,B67D1/08 :13/116266 :26/05/2011 :U.S.A.	<ul> <li>(71)Name of Applicant:</li> <li>1)PEPSICO INC</li> <li>Address of Applicant: 700 Anderson Hill Road Purchase NY</li> <li>10577 USA.</li> </ul>
(86) International Application No Filing Date	:PCT/US2012/036129 :02/05/2012	<ul><li>(72)Name of Inventor:</li><li>1)JERSEY Steven T.</li><li>2)SEGIET William W.</li></ul>
<ul><li>(87) International Publication</li><li>No</li><li>(61) Patent of Addition to</li><li>Application Number</li></ul>	:WO 2012/161936 :NA	3)SIEGEL Tom 4)KALI Eddie 5)BOGGS Joseph 6)BALSTAD Robert
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

### (57) Abstract:

The disclosure concerns a beverage dispensing system (10) including a multi tower modular dispensing system comprising at least a first dispensing head (12) and a second dispensing head (912A) at a counter (14) a transfer unit (16) located remotely from the counter piping (18) extending from the transfer unit to the counter the transfer unit comprising a centralized ingredient system (20) having a plurality of beverage ingredient sources (22) the centralized ingredient system configured to supply beverage ingredients to the piping for the dispensing of a first beverage at the counter the piping comprising a main micro bundle (18A) the main micro bundle comprising at least two separate beverage ingredient lines (324 326).

No. of Pages: 38 No. of Claims: 23

(21) Application No.2239/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :29/11/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: MULTI RADIO COEXISTENCE

(51) International classification :H04B7/26,H04W56/00 (71)Name of Applicant : (31) Priority Document No 1)QUALCOMM INCORPORATED :61/500278 (32) Priority Date Address of Applicant: 5775 Morehouse Drive ATTN: :23/06/2011 (33) Name of priority country International IP Administration San Diego California 92121 USA. :U.S.A. (86) International Application No :PCT/US2012/043630 (72)Name of Inventor: 1)BANISTER Brian Clarke Filing Date :21/06/2012 (87) International Publication No :WO 2012/177938 2)WANG Jibing (61) Patent of Addition to Application 3)LINSKY Joel Benjamin

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

### (57) Abstract:

In a wireless communication device with multiple radio access technologies (RATs) frame timing for one RAT may be aligned with a frame timing of another RAT so as to reduce a number of communication frames of the different RATs that overlap in time with each other. The aligning reduces the number of communication frames that are subject to cancellation due to interference. Alignment may reduce a number of transmit frames of one RAT that overlap with multiple receive frames of another RAT. Alignment may reduce a number of receive frames of one RAT that overlap with multiple transmit frames of another RAT.

No. of Pages: 46 No. of Claims: 28

(21) Application No.2403/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/12/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : DISCRETE HEAT INSULATED EXHAUST MUFFLER DEVICE AND REFRIGERATION COMPRESSOR USING SAME

(51) International classification	· · · · · · · · · · · · · · · · · · ·	(71)Name of Applicant:
(31) Priority Document No	:201110297998.2 :30/09/2011	1)HUANGSHI DONGBEI ELECTRICAL APPLIANCE
(32) Priority Date		CO. LTD.
(33) Name of priority country	:China	Address of Applicant :NO.6 East Jinshan Avenue Economic
(86) International Application No	:PCT/CN2012/072579	and Technological Development Zone Huangshi Hubei 435000
Filing Date	:20/03/2012	China
(87) International Publication No	:WO 2013/044613	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)YANG Baichang
Number	:NA :NA	2)CAO Lijian
Filing Date	.NA	3)DAI Jingxiong
(62) Divisional to Application Number	:NA	4)HE Renshu
Filing Date	:NA	5)WANG Younan

#### (57) Abstract:

A discrete heat insulated exhaust muffler device (8) and a refrigeration compressor using the same. The exhaust muffler device (8) comprises metal cavities (9 10) and intake pipe and exhaust pipe installation holes respectively arranged on the metal cavities (9 10). Non metal cases (17 18) are further arranged outside the metal cavities (9 10) and the exhaust muffler device (8) is disposed outside cylinder blocks (14 20) and is separated from the cylinder blocks (14 20). By additionally disposing a layer of non metal cases (17 18) outside the metal cavities (9 10) the chances that the exhausted air contacts air inside a compressor are reduced owing to a better heat insulation effect of the non metal material thereby reducing the heat transferred from the metal cavities (9 10) to the outside so that the air inside the compressor has a low temperature and the efficiency of the compressor is improved. Meanwhile the metal cavities (9 10) are formed through stamping thereby reducing the material cost and weight of the device simplifying the manufacturing process and leaving more room at the periphery of the cylinder blocks (14 20).

No. of Pages: 30 No. of Claims: 22

(22) Date of filing of Application :29/11/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: PROCESS FOR THE PRODUCTION OF ESTETROL INTERMEDIATES

(51) International :C07J75/00,A61P15/12,A61K31/565 classification (31) Priority Document No :11168560.8 (32) Priority Date :01/06/2011 (33) Name of priority :EPO country (86) International :PCT/EP2012/060446 Application No

:01/06/2012 Filing Date (87) International Publication: WO 2012/164095

(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)ESTETRA S.A.

Address of Applicant : Rue du Travail 16 B 4460 GrÃce

Hollogne Belgium. (72)Name of Inventor:

1)PASCAL Jean Claude

### (57) Abstract:

The present invention relates to a process for the preparation of a compound of formula (I) comprising the steps of a) reacting a compound of formula (II) with a silvlating or an acylating agent to produce compound of formula (III) wherein P is a protecting group selected from RSi RR or RCO R is a group selected from Calkyl or Ccycloalkyl each group being optionally substituted by one or more substituents independently selected from fluoro or Calkyl; R R and R are each independently a group selected from Calkyl or phenyl each group being optionally substituted by one or more substituents independently selected from fluoro or Calkyl; b) halogenation or sulfinylation of the compound of formula (III) to produce a compound of formula (IV); wherein X is halo or O SO R and R is a group selected from Caryl or heteroaryl each group being optionally substituted by one or more substituents independently selected from chloro or Calkyl; c) dehalogenation or desulfinylation of the compound of formula (IV) to produce compound of formula (V); and d) reacting the compound of formula (V) with a reducing agent to produce compound of formula (I).

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

(21) Application No.2237/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :29/11/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: PROCESS FOR THE PRODUCTION OF ESTETROL INTERMEDIATES

(51) International classification :C07J1/00,C07J13/00,C07J51/00 (71) Name of Applicant:

(31) Priority Document No :11168561.6 (32) Priority Date :01/06/2011

(33) Name of priority country :EPO

(86) International Application No:PCT/EP2012/060447

Filing Date :01/06/2012

(87) International Publication No: WO 2012/164096

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

:NA Number :NA Filing Date

(57) Abstract:

1)ESTETRA S.A.

Address of Applicant : Rue du Travail 16 B 4460 GrÃce

Hollogne Belgium.

(72)Name of Inventor: 1)PASCAL Jean Claude

The present invention relates to a process for the preparation of a compound of formula (I) said process comprising the steps of : a) reacting a compound of formula (II) with an acylating or a silylating agent to produce a compound of formula (III) wherein P and P are each independently a protecting group selected from RSi RR or RCO wherein R is a group selected from Calkyl or Ccycloalkyl each group being optionally substituted by one or more substituents independently selected from fluoro or Calkyl; R R and R are each independently a group selected from Calkyl or phenyl each group being optionally substituted by one or more substituents independently selected from fluoro or Calkyl; b) reacting the compound of formula (III) in the presence of palladium acetate or a derivative thereof to produce compound of formula (IV); and c) reacting the compound of formula (IV) with a reducing agent to produce compound of formula (I).

No. of Pages: 27 No. of Claims: 14

(21) Application No.2402/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/12/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: TERMINAL EQUIPMENT WITH BUILT IN RETRACTABLE HEADSET

(51) International classification	:H04R1/10,H04M1/02	(71)Name of Applicant:
(31) Priority Document No	:201110156052.4	1)XINJIANG TIANDI GROUP
(32) Priority Date	:10/06/2011	Address of Applicant :No.17 Xinhua South Road Urumqi
(33) Name of priority country	:China	Xinjiang 830000 China
(86) International Application No	:PCT/CN2012/074086	(72)Name of Inventor:
Filing Date	:16/04/2012	1)ZHENG Daqing
(87) International Publication No	:WO 2012/167668	
(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 terminal equipment with a built in retractable headset comprising: a case body (1) of terminal equipment the case body (1) of the terminal equipment comprising an accommodation space; a headset disposed in the accommodation space the headset comprising a headset assembly (2) and a headset line (3) and the headset assembly (2) and the headset line (3) being capable of pulled out of the accommodation space; a headset line retracting device (4) disposed in the accommodation space the headset assembly (2) communicates with the headset line retracting device (4) through the headset line (3) a signal line led from the headset line retracting device (4) communicates with an audio signal of the terminal equipment and the headset assembly (2) and the headset line (3) being capable of being retracted through the headset line retracting device (4) thereby effectively reducing the damage of electromagnetic wave of the terminal equipment to a human body and being convenient for a user to use.

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

(12) TATENT ATTLICATION TOBLICATION

(22) Date of filing of Application :10/06/2013 (43) Publication Date : 31/10/2014

:NA

(21) Application No.1087/MUMNP/2013 A

# (54) Title of the invention : FUEL CELL ELECTRODE HAVING POROUS CARBON CORE WITH MACROCYCLIC METAL CHELATES THEREON

(51) International classification	:B01J31/16,B01J31/18	(71)Name of Applicant:
(31) Priority Document No	:61/412814	1)APPEM LTD.
(32) Priority Date	:12/11/2010	Address of Applicant :CENTAUR HOUSE, 2 APOSTOLOS
(33) Name of priority country	:U.S.A.	VARNAVAS, 2571 NISOU, NICOSIA, CYPRUS
(86) International Application No	:PCT/SE2011/051364	(72)Name of Inventor:
Filing Date	:14/11/2011	1)PALMQVIST Anders
(87) International Publication No	:WO 2012/064279	2)FOSSUM Kjell
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	

#### (57) Abstract:

Filing Date

(19) INDIA

The invention concerns a method for manufacturing of an electrocatalyst comprising a porous carbon support material a catalytic material in the form of at least one type of metal and macrocyclic compounds chemically bound to the carbon support and capable of forming complexes with single metal ions of said metal or metals said method comprising the steps of: i) providing a template capable of acting as pore structure directing agent during formation of a highly porous electrically conducting templated carbon substrate ii) mixing the template with one or several precursor substances of the catalytic material the macrocyclic compounds and carbon iii) exposing the mixture of the template and the precursor substances to a carbonization process during which the precursors react and transform the mixture into a carbonized template composite in which the carbon part of the composite is chemically bound to macrocyclic compounds present in complexes with the metal or metals. The invention also concerns an electrocatalyst for electrochemical reactions a method for manufacturing of a membrane electrode assembly using such an electrocatalyst and to a fuel cell making use of such an electrocatalyst.

No. of Pages: 43 No. of Claims: 76

(19) INDIA

(22) Date of filing of Application :24/01/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: AEROBIC BIOLOGICAL RAILWAY CARRIAGE TOILET.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	C02F9/00, C02F3/12, C02F1/78, :NA :NA :NA :NA :NA	
(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:

Aerobic biological carriage toilet is a carriage toilet whose working is based on the principle of wind resistance and that of the degradation of fecal matter by aerobic bacteria. As the flaps open when the train gathers speed, the waste material thrown by passengers in the toilet, falls down. The fecal matter when reaches the digester chamber, the blades in the digester chamber turn as the train gathers speed allowing the aerobic decomposition of the fecal matter by bacteria present in the EM solution. As the fecal matter is stored and decomposed aerobically in the tanks, excreta does not fall on the platforms and maintains hygiene. When the decomposed fecal matter reaches the last of the chambers, the action of chlorine disinfects the overflow from where it can be removed.

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

(21) Application No.2247/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :02/12/2013

(43) Publication Date: 31/10/2014

## (54) Title of the invention: MAGNETICALLY LOADED COMPOSITE ROTORS AND TAPES USED IN THE PRODUCTION **THEREOF**

(51) International :B29B15/12,B29C70/50,H02K15/12

classification

(31) Priority Document No :1110233.2 :16/06/2011 (32) Priority Date (33) Name of priority country: U.K.

(86) International Application :PCT/GB2012/051367

No :14/06/2012

Filing Date

(87) International Publication :WO 2012/172355

(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)GKN HYBRID POWER LIMITED

Address of Applicant : IPSLEY HOUSE, IPSLEY CHURCH LANE, REDDITCH, WORCESTERSHIRE, B98 OTL, UNITED

KINGDOM, A UK COMPANY. (72)Name of Inventor:

1)TARRANT Colin David

2)DAY Gordon Michael Dorrington

### (57) Abstract:

A method of making a magnetically loaded pre impregnated tape uses a drum (1) that is heated and which is associated with a heated bath (2) containing a thermo plastic resin solution. A fibre tape material (4) is fed onto the drum (1) and just prior to the fibre tape material meeting the periphery of the drum the fibre tape material (4) is impregnated with an isotropic magnetic particle material (6) to form the pre impregnated tape (8). The pre impregnated tape may be fed to a heating station where it is bonded with a thermoplastic resin impregnated fibre tow to produce a magnetically loaded composite tape.

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

(19) INDIA

(22) Date of filing of Application :13/12/2013 (43) Pul

(21) Application No.2353/MUMNP/2013 A

(43) Publication Date : 31/10/2014

# (54) Title of the invention: MOBILE STATION POSITIONING ASSISTANCE WITH LOCAL MAPPING 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> <li>Number</li> </ul>		(71)Name of Applicant:  1)QUALCOMM INCORPORATED  Address of Applicant: a Company incorporated in the State of Delaware, United States of America of Attn: International IP Administration, 5775 Morehouse Drive, San Diego, California 92121-1714, USA.  (72)Name of Inventor:  1)TENNY, Nathan E.  2)GUPTA, Rajarshi
. ,	*	
(62) Divisional to Application Number Filed on	:1893/MUMNP/2012 :02/08/2012	

### (57) Abstract:

Techniques are provided which may be implemented using various methods and/or apparatuses for use in providing positioning assistance data with local mapping data to mobile stations. For example, positioning assistance data may comprise and/or otherwise be based, at least in part, on local mapping data which may relate to a current location of the mobile station. Such positioning assistance data may, for example, be provided to a mobile station by a first server within a cellular network.

No. of Pages: 49 No. of Claims: 29

(19) INDIA

(22) Date of filing of Application :24/01/2013

(21) Application No.220/MUM/2013 A

(43) Publication Date: 31/10/2014

# (54) Title of the invention: BRAKE SYSTEM

(51) International classification	:B60T8/42, B60T8/1761, B60T8/17, B60T8/3	(71)Name of Applicant:  1)TATA MOTORS LIMITED  Address of Applicant:BOMBAY HOUSE, 24 HOMI MODI STREET, MUMBAI 400001, MAHARASHTRA, INDIA
(31) Priority Document No	:NA	(72)Name of Inventor:
(32) Priority Date	:NA	1)ASHESH SHAH
(33) Name of priority country	:NA	2)UMESH ABHYANKAR
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) A1	·	·

### (57) Abstract:

In accordance with the present disclosure, a parking brake system for a vehicle is provided. The parking brake system includes, a parking brake lever hingedly mounted on a cylinder frame through a parking brake lever bracket; a brake cable extending from the parking brake lever; a pulley arrangement guiding the brake cable along the cylinder frame and vehicle floor; and a brake cable routing bracket mounted on the vehicle floor, an opposite end of the brake cable being connected to final brake cables through the parking brake cable routing bracket.

No. of Pages: 15 No. of Claims: 6

(21) Application No.2367/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/12/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: FORMULATIONS FOR WOUND THERAPY

(31) Priority Document No (32) Priority Date	:A61K9/16,A61K9/70,A61K38/36 :11172945.5 :06/07/2011	1)PROFIBRIX BV Address of Applicant :Zernikedreef 9 NL-2333 CK Leiden,
<ul><li>(33) Name of priority country</li><li>(86) International Application</li><li>No</li><li>Filing Date</li></ul>	:EPO :PCT/EP2012/063330 :06/07/2012	Netherlands (72)Name of Inventor: 1)SCHUTTE Eliane 2)ZUCKERMAN Linda
(87) International Publication No	:WO 2013/004838	3)SENDEROFF Richard 4)MARTYN Glen
(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 novel formulations comprising a dry powder fibrin sealant comprised a mixture of fibrinogen and/or thrombin for use in the treatment of wounds or injuries in particular for use as a topical hemostatic composition or for surgical intervention.

No. of Pages: 45 No. of Claims: 19

(21) Application No.158/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :17/01/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: PROCESS FOR THE PREPARATION OF ANACETRAPIB AND INTERMEDIATES THEREOF.

(51) International classification	:C07C43/205, C07C41/18, C07D263/24,	(71)Name of Applicant:  1)GLENMARK GENERICS LIMITED  Address of Applicant: GLENMARK HOUSE, HDO-
(21) D D	A61K	CORPORATE BLDG, WING-A, B. D. SAWANT MARG,
(31) Priority Document No	:NA	CHAKALA, ANDHERI (EAST), MUMBAI-400 099,
(32) Priority Date	:NA	Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)NAVIN G. BHATT
Filing Date	:NA	2)SHIVAJI JAGADALE
(87) International Publication No	: NA	3)FRANCIS P.D'SOUZA
(61) Patent of Addition to Application Number	:NA	4)SANJAY PAWAR
Filing Date	:NA	5)SHEKHAR BHASKAR BHIRUD
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The present invention relates to a novel process for the preparation of anacetrapib. The present invention also relates to novel intermediate or its salt and its use in the preparation of anacetrapib.

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

(21) Application No.212/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :23/01/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: STABLE LYOPHILIZED CYCLOPHOSPHAMIDE INJECTION

(51) International classification	A61K31/675, A61K9/00, A61K9/	Address of Applicant :140, DAMJI SHAMJI INDUSTRIAL COMPLEX, MAHAKALI CAVES ROAD, ANDHERI (EAST),
(31) Priority Document No	:NA	MUMBAI-400093, MAHARASHTRA, INDIA
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)PARAB, INDIRA
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

This invention discloses new stable lyophilized preparations of Cyclophosphamide for injection with excellent storage stability, less reconstitution time and to a process for their preparation. The invention further discloses Cyclophosphamide for injection obtained by reconstitution of the lyophilized products described herein.

No. of Pages: 15 No. of Claims: 3

(19) INDIA

(22) Date of filing of Application :04/12/2012 (43) Publication Date: 31/10/2014

## (54) Title of the invention: FUNCTIONALIZED NANOSTRUCTURES FOR DETECTING NITRO - CONTAINING **COMPOUNDS**

(51) International classification :G01N33/22,G01N27/414 (71)Name of Applicant :

(31) Priority Document No :206241 (32) Priority Date :08/06/2010

(33) Name of priority country :Israel

(86) International Application No :PCT/IL2011/000443

Filing Date :06/06/2011 (87) International Publication No :WO/2011/154939

(61) Patent of Addition to Application :NA

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

1)Ramot at Tel-Aviv University Ltd.

Address of Applicant : P.O. Box 39296 61392 Tel-Aviv

(72)Name of Inventor:

1)PATOLSKY Fernando

2)ENGEL Yoni

3)ELNATHAN Roey

#### (57) Abstract:

Devices methods and systems for detecting nitro-containing compounds such as TNT which utilize semiconductor nanostructures modified by a functional moiety that interacts with the nitro-containing compound are disclosed. The functional moiety is attached to the nanostructures and is being such that upon contacting a sample that contains the nitro-containing compound the nanostructure exhibits a detectable change in an electrical property which is indicative of the presence and/or amount of the nitro-containing compound in the sample. Electronic noses for generating recognition patterns of various nitro-containing compounds comprising a plurality of nanostructures modified by versatile functional moieties are also disclosed. The devices methods and systems are suitable for detecting nitro-containing compounds in both liquid and gaseous states and for detecting a concentration of a nitro-containing compound such as TNT as low as attomolar concentrations.

No. of Pages: 70 No. of Claims: 39

(21) Application No.211/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :23/01/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: LORAZEPAM LYOPHILIZED INJECTION

(51) International classification	:A61K31/337, A61K9/19	(71)Name of Applicant: 1)NEON LABORATORIES LTD.
(31) Priority Document No	:NA	Address of Applicant :140 DAMJI SHAMJI INDUSTRIAL
(32) Priority Date	:NA	COMPLEX, MAHAKALI CAVES ROAD, ANDHERI (EAST),
(33) Name of priority country	:NA	MUMBAI - 400093, MAHARASHTRA, INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)PARAB, INDIRA
(87) 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) A1		1

### (57) Abstract:

A highly stabilized, economic and less viscous (after reconstitution), lyophilized injectable composition of Lorazepam is disclosed. The composition of the present invention is very stable for longer period at room temperature with optimum bioavailability and desirable pharmaceutical properties.

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

(21) Application No.2308/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :09/12/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : REAL-TIME CAPTURING AND GENERATING STEREO IMAGES AND VIDEOS WITH A MONOSCOPIC LOW POWER MOBILE DEVICE

(51) International classification:H04N13/00(31) Priority Document No:11/497,906(32) Priority Date:01/08/2006(33) Name of priority country:U.S.A.

(86) International Application No
Filing Date

10.5.A.

PCT/US2007/074748

30/07/2007

(87) International Publication No :WO/2008/016882

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

(62) Divisional to Application Number :2786/MUMNP/2008 Filed on :30/12/2008 (71)Name of Applicant:

1)OUALCOMM INCORPORATED

Address of Applicant :an American company of 5775 Morehouse Drive, San Diego, California 92121-1714, USA.

:PCT/US2007/074748 (72)Name of Inventor :

1)WANG, Haohong

2)LI, Hsiang-Tsun

3)MANJUNATH, Sharath

### (57) Abstract:

A monoscopic low-power mobile device is capable of creating real-time stereo images and videos from a single captured view. The device uses statistics from an autofocusing process to create a block depth map of a single capture view. Artifacts in the block depth map are reduced and an image depth map is created. Stereo three-dimensional (3D) left and right views are created from the image depth map using a Z-buffer based 3D surface recover process and a disparity map which is a function of the geometry of binocular vision.

No. of Pages: 57 No. of Claims: 12

(21) Application No.2395/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :17/12/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : PHOTODIODE DEVICE CONTAINING A CAPACITOR FOR CONTROLLING DARK CURRENT OR LEAKAGE CURRENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H01L51/44,H01L51/52 :11 56026 :04/07/2011 :France :PCT/EP2012/063038 :04/07/2012 :WO 2013/004746 :NA	(71)Name of Applicant: 1)Commissariat lÃnergie atomique et aux Ãnergies alternatives Address of Applicant: 25 rue Leblanc BÃtiment Le Ponant D F 75015 Paris France 2)ISORG (72)Name of Inventor: 1)BENWADIH Mohamed
(61) Patent of Addition to Application Number Filing Date	:NA :NA	1)BENWADIH Mohamed
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

Described is an organic photodiode comprising a first electrode (4) an active layer (6) a second electrode (10) and at least a third electrode (20) forming a capacitor (24) with another electrode for at least partially trapping dark current (I) or leakage current (I).

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

(21) Application No.2397/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application: 17/12/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention : METHOD FOR MANUFACTURING A VACUUM SOLAR THERMAL PANEL AND RELATED VACUUM SOLAR THERMAL 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 Filing Date</li> </ul>	:04/07/2012 :WO 2013/004378 :NA :NA	(71)Name of Applicant:  1)TVP SOLAR SA  Address of Applicant:36 place du Bourg de Four CH 1204 Geneva Switzerland (72)Name of Inventor:  1)PALMIERI Vittorio  2)DI GIAMBERARDINO Francesco
- 14		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present application relates to a reliable and inexpensive method for manufacturing a vacuum tight envelope for a vacuum solar thermal panel said vacuum tight envelope being defined by a glass front plate (1) transparent to solar radiation a metal bottom plate (2) a peripheral frame (3) joined to the metal bottom plate (2) and a peripheral belt (4) connecting said peripheral frame (3) to the glass front plate (1); said method comprising the following steps: joining edge to edge a first metal strip to a second metal strip in order to form a bi metal strip and then joining together the opposite ends of said bi metal strip in order to form a closed loop; after said joining step forming said first metal strip into the peripheral frame (3) and said second metal strip into the peripheral belt (3); after said joining and forming steps sealing the free edge of the peripheral belt (4) to the glass front plate (1); after said joining and forming steps joining the metal bottom plate (2) to the peripheral frame (3).

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

(21) Application No.2398/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application: 17/12/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: MILK BASED FORMULATION

(51) International :A23C9/12,A23C9/142,A23C9/146 classification

(31) Priority Document No :20115726 (32) Priority Date :06/07/2011 (33) Name of priority country: Finland

(86) International Application :PCT/FI2012/050634

No

:19/06/2012 Filing Date

(87) International Publication

:WO 2013/004895 No

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

(62) Divisional to Application :NA Number :NA

Filing Date (57) Abstract:

(71)Name of Applicant:

1)VALIO LTD

Address of Applicant: Meijeritie 6 FI 00370 Helsinki Finland

(72)Name of Inventor: 1)KALLIOINEN Harri 2)JÃ,,RVIÃ- Soile

The invention relates to a milk based formulation with a reduced carbohydrate content having a ratio of carbohydrates to protein of at most 1.1 a protein content of at least 5.4% on dry matter basis and a ratio of ash to protein is substantially similar to that of a milk raw material used as a starting material and a method for the preparation thereof. The milk based formulation can be used in the preparation of a recombined milk product with a reduced lactose content having a full taste of normal milk without any deficiencies in

No. of Pages: 24 No. of Claims: 30

its organoleptic properties.

(19) INDIA

(22) Date of filing of Application :24/01/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: SECURE MOBILE ANTI-TAPPING DEVICE (SMATD)

<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>	:H04M1/68, H04M1/725 :NA :NA :NA	TECHNOLOGY, (DEEMED UNIVERSITY) Address of Applicant :GIRINAGAR, P.O. PUNE 411025, MAHARASHTRA, INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)C.R.S. KUMAR
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention define a secure anti-tapping communication system and method thereof. The method of secure, anti-tapping communication system carryout conversation by encrypting speech of first user and decrypting speech of second user by the first anti-tapping device and encrypting speech of second user and decrypting speech of first user by the second anti-tapping device to establish two way, secured, tapping - free communication.

No. of Pages: 26 No. of Claims: 16

(21) Application No.2446/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :26/12/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: METHOD FOR TREATING ECZEMA

(51) International classification	:A01N47/00,A61K31/21,A61K31/26	(71)Name of Applicant: 1)THE WILLIAM M. YARBROUGH FOUNDATION
(31) Priority Document No	:61/502113	Address of Applicant :9312 North Picture Ridge Road Peoria
(32) Priority Date	:28/06/2011	IL 61615 USA.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor : 1)SILVER Michael E.
(86) International Application No Filing Date	:PCT/US2012/044593 :28/06/2012	
(87) International Publication No	:WO 2013/003560	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

A method for treating eczema including the steps of applying an isothiocyanate functional surfactant to an area affected by eczema wherein the isothiocyanate functional surfactant comprises at least one isothiocyanate functional group associated with an aliphatic and/or aromatic carbon atom of the isothiocyanate functional surfactant.

No. of Pages: 29 No. of Claims: 12

(21) Application No.2217/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :27/11/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention: SUB HIGH FREQUENCY TRANSFORMER WITH WATER COOLED HEAT DISSIPATION AND HEAT DISSIPATION DEVICE THEREOF

(51) International :H01F27/28,H01F27/16,H01F27/40

classification

(31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA

(86) International Application :PCT/CN2011/075454

No :101/6/2011 Filing Date :08/06/2011

(87) International Publication :WO 2012/167428

No

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

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

(71)Name of Applicant:

1)SHENZHEN HONGBAI TECHNOLOGY INDUSTRIAL

CO. LTD

Address of Applicant :5/F HuoLiBao BLDG 5#Rd. Northern Section High Tech Industrial Park Nanshan District Shenzhen Guangdong 518051 China

(72)Name of Inventor:

1)HAN Yuqi 2)CHEN Zhiwei 3)XIONG Ping 4)HAN Peiwen 5)CHEN Jingyu

### (57) Abstract:

A sub high frequency transformer with water cooled heat dissipation includes a magnetic core (8) primary coils (10) secondary coils (9a1 9a2 9b1 9b2 9c1 9c2 9d1 9d2) secondary leading terminals of the transformer and a rectifying tube circuit connected with the secondary leading terminals of the transformer. The rectifying tube circuit includes plane type rectifying diodes (11 12) positive leading plates (3 4 5 6) of the diodes a rectifier positive output plate (2) and a rectifier negative output plate (1) which is also the central tap of the transformer. A secondary current of the transformer after being rectified by the plane type rectifying diodes is connected to and is output from the rectifier positive output plate. The positive leading plates of the plane type rectifying diode the rectifier positive output plate and the rectifier negative output plate have a copper plate structure with a certain thickness and having water passages for heat dissipation inside.

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

(21) Application No.2380/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/12/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : PROCESS FOR THE PRODUCTION OF PRECIPITATED CALCIUM CARBONATE PRECIPITATED CALCIUM CARBONATE AND USES THEREOF

(51) International classification	:C09C1/02,C01F11/18	(71)Name of Applicant:
(31) Priority Document No	:11170652.9	1)OMYA INTERNATIONAL AG
(32) Priority Date	:21/06/2011	Address of Applicant :Baslerstrasse 42 CH 4665 Oftringen,
(33) Name of priority country	:EPO	SWITZERLAND
(86) International Application No	:PCT/EP2012/061698	(72)Name of Inventor:
Filing Date	:19/06/2012	1)SKRZYPCZAK, MATHIEU
(87) International Publication No	:WO 2012/175490	2)MAURER Marc
(61) Patent of Addition to Application	:NA	3)SCHMÃ-LZER Thomas
Number	:NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention relates to a process for the production of precipitated calcium carbonate comprising the following steps: a) providing a reaction vessel containing an aqueous phase at an initial temperature; b) injecting a carbon dioxide generating compound into the aqueous phase until the pH of the aqueous phase is in the range of around 5 to around 7; and c) subsequently adding a calcium hydroxide slurry at an initial temperature to the reaction vessel while continuing the injection of the carbon dioxide generating compound in order to obtain an aqueous slurry of the precipitated calcium carbonate. The addition rate of the calcium hydroxide slurry to the reaction vessel in step c) is such that an average electrical conductivity of the reaction contents in the reaction vessel during the reaction is in a range of 100 to 6 000  $\mu$ S/cm.

No. of Pages: 44 No. of Claims: 23

(21) Application No.2381/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/12/2013 (43) Publication Date : 31/10/2014

(54) Title of the invention : STEERING WHEEL FOR A MOTOR VEHICLE AND PROCESS FOR PRODUCING A STEERING WHEEL

(32) Priority Date :22/06/2011 (33) Name of priority country :Germany Gl (86) International Application No :PCT/DE2012/100178 (7)	1)SCHIPEK GMBH Address of Applicant :Marienstrasse 34 72160 Horb GERMANY.
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### (57) Abstract:

The invention relates to a steering wheel of a motor vehicle comprising a steering wheel main body (14) and a covering (16) which comprises at least one strip (18 20) surrounding the steering wheel main body (14) on the outer periphery thereof. A first free end (22 24) of the at least one strip (18 20) is received in a secured position in a groove (28) that is formed in a steering wheel main body (14). A second free end (32 34) of the at least one strip (18 20) is likewise received in a secured position in a groove (36) that is formed in the steering wheel main body (14). The invention furthermore relates to a method for producing such a steering wheel.

No. of Pages: 14 No. of Claims: 9

(19) INDIA

(22) Date of filing of Application :22/11/2013

(21) Application No.2187/MUMNP/2013 A

(43) Publication Date: 31/10/2014

# (54) Title of the invention: PEG MODIFIED EXENDIN OR EXENDIN ANALOG AND COMPOSITIONS THEREOF

(51) International classification	:A61K47/48, C07K14/575, C07K17/06	(71)Name of Applicant:  1)SHANGHAI HUAYI BIO-LAB CO. LTD.,  Address of Applicant :BUILDING 4, CAOBAO ROAD NO.
(31) Priority Document No	:200610118326.X	36 SHANGHAI 200235 CHINA.
(32) Priority Date	:14/11/2006	(72)Name of Inventor:
(33) Name of priority country	:China	1)BAO, WENCHAO
(86) International Application No	:PCT/CN2007/003203	2)XU, HONGJING
Filing Date	:13/11/2007	3)YU GANG
(87) International Publication No	:WO2008/058461	4)ZUO YAJUN
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filed on	:677/MUMNP/2009 :06/04/2009	

### (57) Abstract:

Exendins or exendin analogs modified by one or more PEG derivatives that may be linked to one or more amino acids of the exendins or exendin analogs are provided. The PEG derivatives may have branched structure set forth in any one of formulas I-IV. Compositions including the PEG derivative modified exendin or exendin analog, methods of making or administering the modified exendin or exendin analog, and various uses thereof are also provided.

No. of Pages: 90 No. of Claims: 13

(21) Application No.2344/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application: 12/12/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention : TRANSMISSION DEVICE RECEIVING DEVICE TRANSMISSION METHOD AND RECEIVING METHOD

	1:H04W72/04,H04J1/00,H04J11/00	\ / II
(31) Priority Document No	:2012-107677	1)PANASONIC INTELLECTUAL PROPERTY
(32) Priority Date	:09/05/2012	CORPORATION OF AMERICA
(33) Name of priority country	:Japan	Address of Applicant :20000 MARINER AVENUE, SUITE
(86) International Application	- DCT/ID2012/002700	200, TORRANCE CA 90503, USA.
No	:PCT/JP2013/002799	(72)Name of Inventor:
Filing Date	:25/04/2013	1)HORIUCHI Ayako
(87) International Publication No	:WO 2013/168389	2)NISHIO Akihiko
(61) Patent of Addition to	:NA	
Application Number		
Filing Date	:NA	
(62) Divisional to Application	27.4	
Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Provided is a transmission device capable of performing cross carrier scheduling appropriately in ePDCCH. In this transmission device when communication is performed with a plurality of component carriers (CCs) a setting section (102) specifies a first search space and a second search space within the same allocation unit group among a plurality of allocation unit groups included in a data allocatable area in the first CC said first search space being a candidate to which control information for a first CC is allocated and said second search space being a candidate to which control information for a second CC other than the first CC among the plurality of CCs is allocated. A transmitter (106) sends control information mapped to the first search space and the second search space.

No. of Pages: 72 No. of Claims: 24

(22) Date of filing of Application: 16/12/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: PERIORBITAL EDEMA REDUCTION 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>	:18/05/2012 :WO 2012/160496 :NA :NA :NA	(71)Name of Applicant:  1)ISHIGAKI Dhayan Address of Applicant: Karstark Ltd. 94 Beaconsfield Road Brighton East Sussex BN1 6DD U.K. (72)Name of Inventor:  1)ISHIGAKI Dhayan
(62) Divisional to Application Number Filing Date	:NA :NA	

(21) Application No.2374/MUMNP/2013 A

#### (57) Abstract:

(19) INDIA

A portable head mounted device for cooling the under eye area of skin said device comprising at least one cooling element arranged to be located adjacent the skin of the under eye area when the device is mounted to the head the cooling element having a first side that faces the under eye area of skin when the device is mounted to a head and a second side that faces away from the skin of the under eye area; said at least one cooling element comprising: liquid retaining means adapted to retain a liquid provided thereto; and heat transfer means adapted to transfer heat by conduction to a liquid retained by the liquid retaining means to promote evaporation of said liquid thereby providing a cooling effect when the device is mounted to the head in use

No. of Pages: 28 No. of Claims: 23

(21) Application No.2385/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application: 17/12/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: METHOD AND DEVICE FOR DETECTING MALICIOUS CODE ON WEB PAGES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:G06F21/00 :201110445277.1 :27/12/2011 :China :PCT/CN2012/087530 :26/12/2012 :WO 2013/097718 :NA :NA	(71)Name of Applicant:  1)TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED  Address of Applicant: Room 403 East Block 2 SEG Park Zhenxing Road Futian District Shenzhen Guangdong 518044 China (72)Name of Inventor:  1)YUAN Xiaohui 2)LONG Hai 3)LI Shuai
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### (57) Abstract:

A method for detecting malicious code on web pages includes: obtaining a function list by executing a specified code and a predefined object code; parsing the specified code and obtaining variable values according to a parsing result and the function list; and determining whether a malicious code exists on web pages according to variable values. A device for detecting malicious code on web pages is also provided.

No. of Pages: 28 No. of Claims: 14

(19) INDIA

(22) Date of filing of Application: 17/12/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: DEVICE FOR SEPARATING PIECE GOODS TO BE STORED IN AN AUTOMATED STORAGE **FACILITY**

(51) International classification :B65G43/08,B65G47/14 (71)Name of Applicant : (31) Priority Document No :11169016.0

(32) Priority Date :07/06/2011

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2011/067520 Filing Date :06/10/2011

(87) International Publication No :WO 2012/167846

(61) Patent of Addition to Application :NA Number

:NA Filing Date

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

1)CAREFUSION GERMANY 326 GMBH

Address of Applicant :Rowastrasse 1 3 53539 Kelberg

Germany.

(72)Name of Inventor:

1)HELLENBRAND Christoph

2)FURTNER Uwe 3)BOESNACH Ingo 4)HÃ-SCHLE Frank

5)CARBONELL ZARAGOZA Marta

### (57) Abstract:

The invention relates to a device (1) for separating piece goods (2) to be stored in an automated storage facility comprising a conveying device (3) for conveying piece goods (2) from a stock (4) to a support surface (5) of a collecting device (27) a control device (6) for controlling the conveying device (3) a sensor (7) which is coupled to the control device (6) and which detects the striking of the support surface (5) by piece goods (2) wherein the control device (6) interrupts the conveying of additional piece goods (2) onto the support surface (5) as soon as the striking of a piece good or a plurality of pieces goods (2) has been detected and a detecting device coupled to the control device (6) for detecting the position and orientation of the piece goods (2) lying on the support surface (5). The detecting device has an image recording device (23) which produces at least one recording of the underside of the support (27) from which recording the control device (6) obtains information about the position and orientation of the piece goods (2) lying on the support. A handling device (8 11) for removing a piece good (2) from the support surface (5) for further transport into the storage facility is coupled to the control device (6) wherein the control device (6) controls the handling device (8 11) according to the information about position and orientation. The detecting device has a light source (18 19) arranged above the support surface (5) which light source produces one or more light bundles (22) that hit the support surface (5) exclusively perpendicularly wherein the light bundles either cover the entire support surface (5) to be detected or are moved in such a way that the light bundles successively pass over the entire support surface (5) to be detected. The support (27) is transparent to the light of the light source (18 19) passing through the support surface (5) and scatters that light at each location of the support surface (5) in such a way that at least part of the light passing through is directed at the image recording device (23).

No. of Pages: 22 No. of Claims: 13

(19) INDIA

(22) Date of filing of Application :05/04/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: METHOD FOR MANUFACTURING RETORT RICE AND RETORT RICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A23L1/10 :NA :NA :NA :PCT/JP2010/005975 :05/10/2010 :WO 2012/046272	(72)Name of Inventor : 1)FUKUMORI Takeshi
	·PCT/IP2010/005975	1 -
Filing Date	:05/10/2010	(72)Name of Inventor :

#### (57) Abstract:

A method for manufacturing retort pouch rice. Said method makes it possible to implement the production process using an assembly line and increases production efficiency by reducing the amount of time taken by a preprocess prior to a retort sterilization process. Said method is characterized in that: uncooked rice is treated by pressurized heated steam forming a thin gelatinized layer in the surface layer of each rice grain and rendering the center of each grain porous; without being cooled said rice grains are immediately sealed inside a container together with a prescribed amount of rice cooking liquid; the rice grains are immersed in and made to absorb the rice cooking liquid; the water absorption state of the rice grains and the amount of rice cooking liquid in the container are adjusted; and retort sterilization is performed.

No. of Pages: 29 No. of Claims: 6

(21) Application No.2379/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/12/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : METHODS AND ARRANGEMENTS RELATING TO SEMICONDUCTOR PACKAGES INCLUDING MULTI MEMORY DIES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:26/06/2012 :WO 2013/003324 :NA :NA	(71)Name of Applicant:  1)MARVELL WORLD TRADE LTD.  Address of Applicant: LHorizon Gunsite Road Brittons Hill St. Michael Barbados BB 14027 Barbados (72)Name of Inventor:  1)SUTARDJA Sehat
Filing Date	:NA :NA	

#### (57) Abstract:

Embodiments provide a method comprising providing a multi memory die that comprises multiple individual memory dies. Each of the individual memory dies is defined as an individual memory die within a wafer of semiconductor material during production of memory dies. The multi memory die is created by singulating the wafer of semiconductor material into memory dies where at least one of the memory dies is a multi memory die that includes multiple individual memory dies that are still physically connected together. The method further comprises coupling a semiconductor die to the multi memory die.

No. of Pages: 42 No. of Claims: 20

(19) INDIA

(22) Date of filing of Application: 18/12/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: SEALED COMPRESSOR HOUSING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:F04B39/12 :201110332670.X :28/10/2011 :China :PCT/CN2012/072585 :20/03/2012 :WO 2013/060111 :NA :NA :NA	(71)Name of Applicant:  1)HUANGSHI DONGBEI ELECTRICAL APPLIANCE CO. LTD.  Address of Applicant :No. 6 East Jinshan Avenue Economic and Technological Development Zone Huangshi Hubei 435000 China (72)Name of Inventor:  1)FANG Zeyun 2)CAO Lijian 3)WANG Xinnan 4)GAN Bin 5)CHENG Liangfu 6)CHEN Xi
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(21) Application No.2404/MUMNP/2013 A

#### (57) Abstract:

Disclosed is a sealed compressor housing comprising a tubular top cover (1) and lower housing (2) with an elliptical horizontal cross section and able to snap fit together wherein a long and a short axial centreline (21 22) of the ellipse of the top cover (1) and the lower housing (2) are respectively coincident and a centreline of a cylinder passage of a cylinder seat (6) and the long axial centreline (21) of the ellipse are coincident; a connecting lug is provided on the lower housing (2) and is axially symmetrical about the centreline (23) of the connecting lug passage; the top face of the top cover (1) is asymmetrically and spherically retracted and the sides and front of the connecting lug are all taller than the rear; and the bottom of the lower housing (2) is smoothly retracted in an ellipsoid shape and an included angle is formed between the centreline (23) of the connecting lug passage and the long axial centreline (21) of the ellipse. The compressor housing can prevent the cylinder cover and the absorption silencing chamber from colliding with the connecting lug without the need to increase the size of the long axial centreline of the ellipse of the housing thereby reducing the size of the housing making a saving on space and lowering costs.

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

(21) Application No.2405/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :19/12/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: IN VITRO CARDIOVASCULAR MODEL

(51) International classification :C12N5/0775,C12N5/077,A61K35/28

(31) Priority Document No :20115670 (32) Priority Date :23/06/2011 (33) Name of priority

country :Finland

(86) International :PCT/FI2012/050611

Application No
Filing Date

Filing Date

First 1712012

(87) International Publication No :WO 2012/175797

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

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

(71)Name of Applicant:

1)TAMPEREEN YLIOPISTO

Address of Applicant :Tutkimus ja innovaatiopalvelut FI

33014 Tampereen yliopisto Finland

(72)Name of Inventor:

1)AALTO SETÃ, LÃ, Katriina

2)HEINONEN Tuula 3)KERKELÄ,, Erja

4)SARKANEN Jertta Riina 5)VUORENPÄ"Ä" Hanna

6)YLIKOMI Timo

### (57) Abstract:

The present invention relates to a tubule forming platform and an in vitro cardiovascular model for use in pharmacological studies. Furthermore the invention relates to methods for the preparation said platform and model and to a method of determining a biological activity of a test substance in said platform and cardiovascular model. Still further the invention relates to an implantable cardiac structure for use in the treatment of cardiac disorders.

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

(21) Application No.2406/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/12/2013

(43) Publication Date: 31/10/2014

## (54) Title of the invention: A SYNERGISTIC PHARMACEUTICAL COMBINATION FOR THE TREATMENT OF SQUAMOUS CELL CARCINOMA OF HEAD AND NECK

(51) International

:A61K31/337,A61K31/4025,A61K31/4412

classification

(31) Priority :61/491569 Document No (32) Priority Date :31/05/2011

(33) Name of priority

:U.S.A. country

(86) International

:PCT/IB2012/052698 Application No :30/05/2012

Filing Date (87) International

:WO 2012/164497

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)PIRAMAL ENTERPRISES LIMITED

Address of Applicant :Piramal Tower Ganpatrao Kadam Marg

Lower Parel Mumbai 400 013 Maharashtra India

(72)Name of Inventor:

1)AGARWAL Veena

2)BALAKRISHNAN Arun

3)PERIYASAMY Giridharan

## (57) Abstract:

The present invention relates to a pharmaceutical combination for use in the treatment of squamous cell carcinoma comprising a CDK inhibitor selected from the compounds of formula (I); or a pharmaceutically acceptable salt thereof and one or more antineoplastic agents selected from sorafenib lapatinib erlotinib cisplatin 5 fluorouracil docetaxel or cetuximab or a pharmaceutically acceptable salt thereof. The said pharmaceutical combination exhibits synergy when used in the treatment of squamous cell carcinoma of head and neck (SCCHN). The invention also relates to a pharmaceutical composition comprising the said combination and a method for the treatment of squamous cell carcinoma of head and neck (SCCHN) using a therapeutically effective amount of said combination.

No. of Pages: 71 No. of Claims: 20

(19) INDIA

(22) Date of filing of Application: 29/11/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: METHOD AND APPARATUS FOR GROWING PLANTS ALONG AN UNDULATING PATH

(51) International classification :A01G31/04,A01G9/20,B65G17/30

(31) Priority Document No :61/483433 (32) Priority Date :06/05/2011 (33) Name of priority country :U.S.A.

(86) International Application :PCT/CA2012/050281

Filing Date :02/05/2012

(87) International Publication :WO 2012/151691

No

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

Filing Date
(62) Divisional to Application
Number
Filing Date

NA

NA

(71)Name of Applicant:

1)NON INDUSTRIAL MANUFACTURE INC.

Address of Applicant :12936 Elbow Drive SW Calgary

Alberta T2W 6G6 Canada. (72)Name of Inventor: 1)BENNE Jacob

2)MEIKLEHAM Daniel

(57) Abstract:

Plants are grown in a growing machine by advancing a plurality of plant cradles on an endless conveyor along a growing path at least a portion of the path being an undulating path having alternating upward and downward portions and having a return portion for looping back to the undulating portion. Using a pair of parallel endless conveyors the cradles are removably supported between the conveyors. The cradles are supplied with growth sustaining liquid and growth promoting light. The cradles are advanced along the path until the one or more plants have reached a target growth after which they can be harvested or transferred to one or more subsequent machines until mature for harvest. The machine can be in a controlled environment including located in modules arranged in series parallel or combinations thereof.

No. of Pages: 57 No. of Claims: 28

(21) Application No.2243/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :29/11/2013 (43) I

(43) Publication Date: 31/10/2014

# (54) Title of the invention : SEPARATOR HAVING POROUS COATING LAYER AND ELECTROCHEMICAL DEVICE HAVING THE SAME

(51) International classification :H01M2/16,H01M10/02 (71)Name of Applicant : (31) Priority Document No :10-2011-0042014 1)LG CHEM LTD. (32) Priority Date :03/05/2011 Address of Applicant :128 Yeoui daero Youngdungpo gu (33) Name of priority country Seoul 150 721 Republic of Korea. :Republic of Korea (86) International Application No :PCT/KR2012/003503 (72)Name of Inventor: Filing Date :03/05/2012 1)YU Hyung Kyun 2)KIM Jong Hun (87) International Publication No :WO 2012/150838 (61) Patent of Addition to Application 3)HONG Jang Hyuk :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The present invention relates to a separator comprising: a porous substrate; and a porous coating layer which is formed on at least one surface of the porous substrate and a mixture of first inorganic particles having an average diameter of 1 10 µm surface coated with a coupling agent second inorganic particles having an average diameter of 50 500 nm surface coated with a coupling agent and a binder polymer. The method for manufacturing the separator of the present invention having the porous coating layer and comprising different types of inorganic particles coated with a coupling agent minimizes a mechanochemical reaction to prevent the generation of unnecessary materials and to facilitate the introduction of functional particles. Therefore the separator of the present invention has excellent thermal stability and it is possible to prevent deterioration of the performance of an electrochemical device due to the introduction of functional particles.

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

(21) Application No.156/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :17/01/2013 (43) Publication Date : 31/10/2014

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

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	C07D471/04 :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)GLENMARK GENERICS LIMITED  Address of Applicant: GLENMARK HOUSE, HDO- CORPORATE BLDG, WING-A, B. D. SAWANT MARG, CHAKALA, ANDHERI (EAST), MUMBAI- 400 099, Maharashtra India (72)Name of Inventor:  1)SHEKHAR BHASKAR BHIRUD 2)SUSHANTA MISHRA
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)SUSHANTA MISHRA 3)SURESH BABU NARAYANAN
(62) Divisional to Application Number Filing Date	:NA :NA	4)SACHIN BHAGWAN NAYKODI

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

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

The present invention provides a process for the preparation and purification of apixaban.

(21) Application No.2202/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :25/11/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : COMPOSITION FOR PREVENTING AND/OR AMELIORATING CANCER RELATED IRREVERSIBLE METABOLISM DISORDERS

(51) International classification :A61K38/00,A23L1/30,A61K31/201

(31) Priority Document No :2011-119095 (32) Priority Date :27/05/2011

(33) Name of priority :Japan

country

(86) International :PCT/JP2012/063522 Application No

Filing Date :25/05/2012

(87) International Publication :WO 2012/165345

(61) Patent of Addition to

Application Number Filing Date :NA

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

(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)NAKAMURA Kentaro

2)SASAKI Hajime

3)TAKAHASHI Takeshi

4)JI Zaisi

5)YAMAJI Taketo

6)TSUBOI Hiroshi

7)SASAYAMA Akina

# (57) Abstract:

To provide a composition for preventing and/or ameliorating cancer related irreversible metabolism disorders. [Solution] The present inventors have made intensive studies. As a result it is found that a composition comprising as essential components a whey protein hydrolysate lecithin and an oil or fat containing oleic acid both of which have a lipid metabolism improving activity and palatinose which has an insulin saving effect has an effect of preventing and/or ameliorating cancer related irreversible metabolism disorders. This finding leads to the accomplishment of the present invention. Specifically in an test using a model transplanted with tumor cells it is found that this composition has an effect of preventing and/or ameliorating the decrease in muscle mass and the like which are symptoms of cancer related irreversible metabolism disorders without inhibiting the activities of an anti cancer agent.

No. of Pages: 54 No. of Claims: 13

(21) Application No.2179/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/11/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: METHOD FOR THE DIAGNOSIS OF RHEUMATOID ARTHRITIS

(51) International classification	:G01N33/564,C07K14/47	(71)Name of Applicant:
(31) Priority Document No	:11167420.6	1)TOSCANA BIOMARKERS S.R.L.
(32) Priority Date	:25/05/2011	Address of Applicant :Via Fiorentina 1 I 53100 Siena ITALY
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:PCT/EP2012/059680	1)PRATESI Federico
Filing Date	:24/05/2012	2)LOLLI Francesco
(87) International Publication No	:WO 2012/160127	3)PAOLINI Ilaria
(61) Patent of Addition to Application	:NA	4)PAPINI Anna Maria
Number	:NA	5)ALCARO Maria Claudia
Filing Date	.NA	6)MIGLIORINI Paola
(62) Divisional to Application Number	:NA	7)ROVERO Paolo
Filing Date	:NA	8)CHELLI Mario

(57) Abstract:

The present invention refers to the use of citrullinated synthetic peptides for the diagnosis of rheumatoid arthritis (RA).

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

(19) INDIA

(22) Date of filing of Application :24/07/2012 (43) Publication Date : 31/10/2014

### (54) Title of the invention: INJECTION MOLDING MACHINE

(51) International classification :H02M (31) Priority Document No :2011- 163698 (32) Priority Date :26/07/2 (33) Name of priority country :Japan (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	1)SUMITOMO HEAVY INDUSTRIES, LTD.
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#### (57) Abstract:

An object of the invention is to provide an injection molding machine which can reduce the circulating current passing through the rectifying part. An injection molding machine according to the invention includes a motor; a driver circuit that drives the motor; a rectifier 102 that supplies electric power to the driver circuit; a capacitor 301 provided between the driver circuit and the rectifier 102; a bridge circuit 104 that converts direct electric power between the driver circuit and the rectifier 102 into alternating electric power; a harmonics component reducing part 63 connected to an alternating side of the bridge circuit 104; and a regenerative line 82 connected to the rectifier 102 in parallel, wherein the bridge circuit 104 and the harmonics component reducing part 63 are provided in the regenerative line 82, and plural switching elements of the bridge circuit 104 are turned on or off such that electric power of the motor is regenerated when a voltage of the capacitor 301 is greater than or equal to a predetermined value, and all the switching elements are turned off when the voltage of the capacitor 301 is smaller than the predetermined value.

No. of Pages: 29 No. of Claims: 3

(19) INDIA

(22) Date of filing of Application :24/07/2012 (43) Publication Date : 31/10/2014

(54) Title of the invention: INJECTION MOLDING MACHINE

(51) International classification	:B29C	(71)Name of Applicant :
(31) Priority Document No	:2011- 163695	1)SUMITOMO HEAVY INDUSTRIES, LTD. Address of Applicant :1-1, OSAKI 2-CHOME,
(32) Priority Date	:26/07/2011	SHINAGAWA-KU, TOKYO 141-6025 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)ATSUSHI KATOH
Filing Date	:NA	2)HIROSHI MORITA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		•

(21) Application No.3024/CHE/2012 A

#### (57) Abstract:

An object of the invention is to provide an injection molding machine which can effectively regenerate the regenerative electric power of the motor. An injection molding machine, comprising: a motor; a driver circuit that drives the motor; and a rectifying part 102 that supplies electric power to the driver circuit, wherein a regenerative line 82 for regenerative electric power of the motor is connected to the rectifying part in parallel, and a bridge circuit 104 and a harmonics component reducing part 63 are provided in the regenerative line 82, the converting part converting direct electric power between the driver circuit and the rectifying part into alternating electric power which is input to the harmonics component reducing part, and the injection molding machine further comprises a controller 26 that controls the operation of the bridge circuit 104 such that an electric current wave-shape of the alternating electric power converted by the bridge circuit 104 corresponds to a shape of a sine wave.

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

(22) Date of filing of Application :05/07/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention : OPTICAL ENCODER, MOTOR APPARATUS, AND METHOD FOR PROCESSING SIGNAL OF OPTICAL ENCODER

(51) International classification	:G01d	(71)Name of Applicant:
(31) Priority Document No	:2012-	1)KABUSHIKI KAISHA YASKAWA DENKI
•	160513	Address of Applicant :2-1, KUROSAKI-SHIROISHI,
(32) Priority Date	:19/07/2012	YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806-
(33) Name of priority country	:Japan	0004 Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)NORIYUKI NAGAE
(87) 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 optical encoder includes a to-be-detected medium including slits to reflect and transmit light. An optical source radiates light to the to-be-detected medium. A photodetector detects the light reflected by the slits or transmitted through the slits, and generates an electrical signal corresponding to an amount of the detected light. The correction value storage stores an offset correction value used to eliminate or reduce an offset component contained in the electrical signal. The adjustor adjusts an amount of the radiated light or the offset correction value so that a ratio between the offset correction value and the amount of the radiated light is approximately constant. The signal corrector corrects the electrical signal corresponding to the amount of the adjusted light, or corrects the electrical signal using the adjusted offset correction value. The position detector detects a position of the to-be-detected medium.

No. of Pages : 68 No. of Claims : 9

(21) Application No.2013/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :06/05/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: AUTOMATIC WINDER

(51) International classification	:b65h	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)MURATA MACHINERY, LTD.
(51) Thomas Boomient 140	131373	Address of Applicant :3 MINAMI OCHIAI-CHO,
(32) Priority Date	:08/06/2012	KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8326
(33) Name of priority country	:Japan	Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KEI INOUE
(87) 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 automatic winder (100) includes a winding unit (10) that unwinds a yarn from yarn-wound bobbins (YB) mounted on trays (22) and forms a package, a bobbin transporting device (11) that transports the trays (22), a bobbin supplying device (12) that supplies a yarn-wound bobbin (YB) to a tray (22) with no yarn-wound bobbin (YB) mounted thereon from among the trays (22) transported by the bobbin transporting device (11), a bobbin removing device (13) that removes yarn-unwound bobbins (B) from the trays (22) that are transported by the bobbin transporting device (11), and a collection box (40) into which the yarn-unwound bobbins (B) removed by the bobbin removing device (13) and introduced in uniform bobbin tube large/small-end orientation are collected. The bobbin supplying device (12) includes a box mounting member (43) on which the collection box (40) is mounted.

No. of Pages: 65 No. of Claims: 14

(21) Application No.2014/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :06/05/2013

(43) Publication Date: 31/10/2014

## (54) Title of the invention: YARN WINDING DEVICE

(51) International classification	:B65H	(71)Name of Applicant:
(31) Priority Document No	:2012- 131377	1)MURATA MACHINERY, LTD Address of Applicant :3 MINAMI OCHIAI-CHO,
(32) Priority Date	:08/06/2012	KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8326
(33) Name of priority country	:Japan	Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SHOTARO OKUGAWA
(87) 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		<u> </u>

#### (57) Abstract:

A yarn winding device includes a yarn directing mechanism (71) that, when a yarn (Y) is cut, moves a yarn end (YB) from a package (P) toward the center of an outer peripheral surface of the package (P). The yarn directing mechanism (71) includes jet nozzles (72) that are oriented from a downstream side of a contact portion (C) between the outer peripheral surface of the package (P) and the outer peripheral surface of a winding roller (23) in a winding and rotating direction of the winding roller (23) and also from both ends of the winding roller (23) toward the center of a contact portion (C) between the outer peripheral surface of the package (P) and an outer peripheral surface of a winding roller (23) in a longitudinal direction.

No. of Pages: 38 No. of Claims: 6

(22) Date of filing of Application :21/06/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: ROTARY ELECTRIC MACHINE, STATOR UNIT AND WIRE CONNECTION SUBSTRATE

(51) International alegaification	:H02K	(71)Nama of Applicant
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:2012-	1)KABUSHIKI KAISHA YASKAWA DENKI
(31) Thority Document No	231591	Address of Applicant :2-1, KUROSAKI-SHIROISHI,
(32) Priority Date	:19/10/2012	YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806-
(33) Name of priority country	:Japan	0004 Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KENJI FUNAKOSHI
(87) International Publication No	: NA	2)HIDEYUKI ONDA
(61) Patent of Addition to Application Number	:NA	3)KANTA YAMAGUCHI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A rotary electric machine includes: a rotating shaft having an axis extending in an axial direction; a rotor fixed to the rotating shaft; a stator provided with a plurality of stator coils; a wire connection part provided at one side of the stator coils in the axial direction, the wire connection part connecting end portions of the stator coils in a specified wire connection pattern; and a resin molded part arranged to cover the wire connection part and the stator coils. The wire connection part includes a plurality of conductive members connected to the end portions of the stator coils and an insulating member arranged to at least partially cover surfaces of the conductive members. The insulating member has projection portions protruding toward the resin molded part existing at the one side of the stator coils in the axial direction.

No. of Pages: 45 No. of Claims: 11

(21) Application No.3123/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :12/07/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention : METHOD FOR BUILDING AND TRANSMITTING A WATERMARKED CONTENT, AND METHOD FOR DETECTING A WATERMARK OF SAID CONTENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H04N21/00 :12177576.1 :24/07/2012 :EPO :NA :NA : NA : NA	(71)Name of Applicant:  1)NAGRAVISION S.A.  Address of Applicant: 22-24, ROUTE DE GENEVE, 1033 CHESEAUX-SUR-LAUSANNE Switzerland (72)Name of Inventor:  1)BERTRAND WENDLING
(61) Patent of Addition to Application Number Filing Date		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention concerns a method for building a watermarked content for sending taat least one user unit having a user unit identifier, the watermarked content comprising a first series of packets, at least some from the first series of packets being available in at least two different qualities, characterized in that said method comprises the steps of: generating a watermark based on at least the user unit identifier, the watermark being formed by a first series of values from a predetermined set of values; mapping each of the at least two different qualities to one from the predetermined set of values; building the watermarked content by sequentially selecting from the first series of packets, a packet having a quality corresponding to each value from the first series of values forming the watermark. It further concerns a method for transmitting such a watermarked content

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

(21) Application No.10311/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :27/12/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: METHOD OF EJECTING FAULTY ABSORBENT ARTICLE

:NA

:NA

(51) International classification :A61F13/15,A61F13/49 (71)Name of Applicant : (31) Priority Document No 1)UNICHARM CORPORATION :2011147782 (32) Priority Date Address of Applicant: 182 Shimobun Kinsei cho Shikokuchuo :01/07/2011 (33) Name of priority country shi Ehime 7990111 Japan :Japan (86) International Application No (72)Name of Inventor: :PCT/JP2012/004260 1)TAKAHASHI Kazuhiko Filing Date :29/06/2012 (87) International Publication No :WO 2013/005408 2)WATANABE Tomohiro (61) Patent of Addition to Application 3)MIYAKI Masanobu :NA :NA Filing Date

(57) Abstract:

Filing Date

A method of ejecting a faulty absorbent article PD according to the present invention includes a step of detecting a failure region of the absorbent article PD in which a failure location of the absorbent article PD exists and a type of a failure in the failure region by identifying a shape of the absorbent article in the course of the manufacturing line a step of deciding the absorbent article PD to be ejected based on the detection result of the failure region and the type of failure in the step of detecting and a step of disengaging from the manufacturing line the absorbent article PD decided in the step of deciding and then ejecting the absorbent article in the course of the manufacturing line. In the step of deciding the number of absorbent articles PD to be ejected in the step of ejecting is decided according to the failure region and the type of the failure.

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

(62) Divisional to Application Number

(21) Application No.10312/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :27/12/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: FAILURE DETECTION SYSTEM AND FAILURE DETECTION METHOD

(51) International classification :A61F13/15,A61F13/49 (71)Name of Applicant : (31) Priority Document No 1)UNICHARM CORPORATION :2011147783 (32) Priority Date Address of Applicant: 182 Shimobun Kinsei cho Shikokuchuo :01/07/2011 (33) Name of priority country shi Ehime 7990111 Japan :Japan (86) International Application No (72)Name of Inventor: :PCT/JP2012/004259 1)NAKANO Takumi Filing Date :29/06/2012 (87) International Publication No :WO 2013/005407 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

A failure detection system 100 includes an image processing unit 130 configured to acquire a morphological image illustrating a morphology of the absorbent article after processing of the absorbent article in each of the plurality of steps a failure detection unit 140 configured to detect the existence of a failure location of the absorbent article after processing based on the morphological image acquired by the image processing unit 130 and an image display unit 120 configured to display an image of the absorbent article after processing when a failure location of the absorbent article is detected by the failure detection unit 140.

No. of Pages: 24 No. of Claims: 7

(21) Application No.10313/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application: 27/12/2013 (43) Publication Date: 31/10/2014

(54) Title of the invention: METHOD AND PACKAGE FOR FLAT ARTICLES

(51) International :B65D85/46,B65D85/62,B65D81/05 classification

(31) Priority Document No :BO2011A 000342

(32) Priority Date :14/06/2011

(33) Name of priority country: Italy

(86) International :PCT/IB2012/052968

Application No :12/06/2012

Filing Date

(87) International Publication :WO 2012/172485 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)NUOVA SIMA S.P.A.

Address of Applicant: Via Selice Provinciale 17/A I 40026

Imola (bo) Italy

(72)Name of Inventor: 1)BARDI Maurizio

(57) Abstract:

A method for packing and a pack for protecting in particular the lateral sides of ceramic flat tiles (2).

No. of Pages: 23 No. of Claims: 12

(22) Date of filing of Application :05/07/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: OPHTHALMOLOGIC APPARATUS AND OPHTHALMOLOGIC METHOD

(51) International classification	:A61B3/00 ·2012-	(71)Name of Applicant: 1)CANON KABUSHIKI KAISHA
(31) Priority Document No	167919	Address of Applicant :30-2, SHIMOMARUKO 3-CHOME,
(32) Priority Date	:30/07/2012	OHTA-KU, TOKYO Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)WATARU SAKAGAWA
Filing Date	:NA	2)KAZUAKI UMEKAWA
(87) International Publication No	: NA	3)HIROSHI ITOH
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

In order to automatically determine whether an eye to be inspected is an IOL eye by using bright spot images on a cornea for inspection at high accuracy, an ophthalmologic apparatus is provided with: a light beam projecting unit for projecting a light beam on the cornea of the eye to be inspected; a light receiving unit including an image pickup element for receiving a reflection light beam obtained by reflection of the light beam projected by the projecting unit to obtain cornea bright spot images from the cornea of the eye to be inspected; and an IOL eye determining unit for determining whether the eye to be inspected is the IOL eye based on the cornea bright spot images received by the light receiving unit.

No. of Pages: 42 No. of Claims: 14

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

(43) Publication Date: 31/10/2014

## (54) Title of the invention : MEMORY DEVICE, MEMORY SYSTEM, AND METHOD OF CONTROLLING READ VOLTAGE OF THE MEMORY DEVICE

(51) International classification	:G06F :10-2012-	(71)Name of Applicant: 1)SAMSUNG ELECTRONICS CO., LTD.
(31) Priority Document No (32) Priority Date	0080247 :23/07/2012	Address of Applicant :129, SAMSUNG-RO, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO, 443-742 Republic of Korea
(33) Name of priority country	:Republic of Korea	(72)Name of Inventor: 1)CHOI, MYUNG-HOON
(86) International Application No	:NA	2)JEONG, JAE-YONG
Filing Date	:NA	3)PARK, KI-TAE
(87) 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 memory device includes a memory cell array having a plurality of memory cells, and a page buffer unit including a plurality of page buffers configured to store a plurality of pieces of data sequentially read from some of the plurality of memory cells at different read voltage levels, respectively, and to perform a logic operation on the plurality of pieces of data, respectively. The memory device further includes a counting unit configured to count the number of memory cells that exist in each of a plurality of sections defined by the different read voltage levels, based on results of the logic operation.

No. of Pages: 80 No. of Claims: 30

(19) INDIA

(22) Date of filing of Application :08/04/2013 (43) Publication Date : 31/10/2014

(54) Title of the invention: ROTATING ELECTRIC MACHINE

(51) International classification	:f01c	(71)Name of Applicant :
(21) Priority Dogument No.	:2012-	1)KABUSHIKI KAISHA YASKAWA DENKI
(31) Priority Document No	094923	Address of Applicant :2-1, KUROSAKI-SHIROISHI,
(32) Priority Date	:18/04/2013	YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806-
(33) Name of priority country	:Japan	0004 Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)RYUTA KAGAWA
(87) International Publication No	: NA	2)MATSUURA KENJI
(61) Patent of Addition to Application Number	:NA	3)KOJI UEMURA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.1580/CHE/2013 A

#### (57) Abstract:

Provided is a rotating electric machine that facilitate the attaching/detaching of a rotation detector. The rotating electric machine includes a rotating-electric-machine unit, a rotation detector, an Oldham coupling, and a washer. The rotating-electric-machine unit includes a shaft. The rotation detector includes a main body and a rotation input pin that is rotatably provided on the main body. The Oldham coupling couples the rotation input pin of the rotation detector and the shaft to each other while allowing any relative displacement in a direction intersecting an axial direction. The washer is provided on the rotating-electric-machine unit while being positioned with respect to the shaft. The washer includes an attaching portion at which the main body of the rotation detector is attached to the washer.

No. of Pages: 47 No. of Claims: 5

(21) Application No.1917/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :30/04/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: A COUNTERWEIGHT

(51) International classification	:C22B1/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CATERPILLAR INC.
(32) Priority Date	:NA	Address of Applicant :100 North East Adams Street, Peoria,
(33) Name of priority country	:NA	Illinois 61629, United States of America
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ABHISHEK KUMAR GAURAV
(87) International Publication No	: NA	2)ABHISHEK KUMAR MISHRA
(61) Patent of Addition to Application Number	:NA	3)ANTONY GRIEG JOSEPH
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A counterweight of a machine for controlling centre of gravity comprising: plurality of layers consisting of a top layer, a bottom layer and an intermediate layer provided between the top layer and the bottom layer; wherein the top layer having a mixture of Iron ore, Binding material, and Metal shot with weight percentage ranging from about 38 % to about 42 % of total weight percentage of the counterweight; the intermediate layer having a mixture of Metal shot, Metal scraps, Iron Ore, and Binding material with weight percentage ranging from about 16 % to about 24% of the total weight percentage of the counterweight; and the bottom layer having the mixture of Iron ore, Binding material, and Metal shot with weight percentage ranging from about 38 % to about 42% of the total weight percentage of the counterweight.

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

(21) Application No.3100/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :11/07/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: SCHEDULING A PATIENT FOR A REMOTE, VIRTUAL CONSULTATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:61/672,262 :16/07/2012	(71)Name of Applicant:  1)RICOH COMPANY LTD.  Address of Applicant: 3-6, NAKAMAGOME 1-CHOME, OHTA-KU, TOKYO, 143-8555 Japan (72)Name of Inventor:  1)HAIXIA YU  2)VIPIN NAMBOODIRI 3)TARO TERASHI
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#### (57) Abstract:

A system and method for scheduling a patient for remote, virtual consultation by a first available matching medical service provider are disclosed. In one embodiment, the system includes a classifier, a medical analyzer and a scheduler. The classifier associates a specialty with the first medical service provider (FMSP). The medical analyzer identifies a condition associated with the patient and identifies a specialty of medical service provider that can address the condition. The scheduler generates a list of patients waiting for medical consultation, receives an indication of availability of the FMSP, selects a patient from the list of patients based at least in part on whether the FMSP is associated with the specialty of medical service provider that can address the condition associated with the patient, checks for an available consultation device at a node associated with the patient, and assigns the FMSP for remote, virtual consultation with the patient.

No. of Pages: 105 No. of Claims: 14

(21) Application No.3395/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :16/08/2012 (43) Publication Date : 31/10/2014

# (54) Title of the invention : POWER SUPPLY REGENERATIVE CONVERTER, MOTOR DRIVE SYSTEM, AND POWER SUPPLY REGENERATIVE PROCESSING METHOD

(51) International classification	:H02M	(71)Name of Applicant :
(31) Priority Document No	:2011- 201848	1)KABUSHIKI KAISHA YASKAWA DENKI Address of Applicant :2-1, KUROSAKI-SHIROISHI,
(32) Priority Date	:15/09/2011	YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806-
(33) Name of priority country	:Japan	0004 Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)HISAYA MATSUURA
(87) International Publication No	: NA	2)MASAYA YAMAMOTO
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

To perform power supply regenerative processing at an appropriate start timing. An alternating current detector 12 detects an alternating current flow state Iac at each phase of an input alternating-current power supply 200. A regenerative converter unit 11 includes a rectifier bridge circuit 11a that full-wave rectifies the alternating-current power supply 200 and outputs a direct-current voltage Vdc, and a regenerative switching circuit 11b in which sets of two arm switching elements 51 connected in series are connected in parallel for each phase of the rectifier bridge circuit 11a. A smoothing capacitor 2 smoothes the direct-current voltage Vdc. A converter regenerative controller 14 performs converter-side power supply regenerative processing at a start timing based on the detected alternating current flow state Iac to return regenerative electric power to the alternating-current power supply 200.

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

(22) Date of filing of Application :08/04/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: POWER REGENERATION APPARATUS AND POWER CONVERSION APPARATUS

(51) International classification	:h02j	(71)Name of Applicant :
(31) Priority Document No	:2012- 097074	1)KABUSHIKI KAISHA YASKAWA DENKI Address of Applicant :2-1, KUROSAKI-SHIROISHI,
(32) Priority Date	0,,0,.	YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806-
(33) Name of priority country	:Japan	0004 Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)TAKAHIRO SAEKI
(87) International Publication No	: NA	2)HIDEAKI IURA
(61) Patent of Addition to Application Number	:NA	3)SHOJI KONAKAHARA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A power regeneration apparatus includes a power conversion unit, an AC reactor, a voltage detecting unit, a phase detecting unit, a drive control unit for controlling the power conversion unit based on a phase detection value, and a reactive current component detecting unit. The phase detecting unit detects the phase of the AC power supply. The reactive current component detecting unit detects a reactive current component of a current. The drive control unit includes a phase correction section. The phase correction section corrects the phase detection value based on the reactive current component.

No. of Pages: 44 No. of Claims: 9

(22) Date of filing of Application :01/07/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: CATALYST, PROCESS FOR PRODUCING THE CATALYST, USE OF THE CATALYST

(51) International classification	:B01J	(71)Name of Applicant:
(31) Priority Document No	:10 2012 013 563.7	1)MAN TRUCK & BUS AG Address of Applicant :DACHAUER STR. 667, 80995
(32) Priority Date	:05/07/2012	MUNCHEN Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)DORING, ANDREAS
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) 11		•

#### (57) Abstract:

A catalyst (10), especially for oxidation of exhaust gas constituents, for example nitrogen oxide, preferably nitrogen monoxide, characterized in that the catalyst (10) consists of a particulate support material (30) composed of titanium-containing nanoparticles, preferably titanium oxide nanoparticles, especially titanium dioxide nanoparticles, coated with platinum (20), especially platinum particles, a process for producing such a catalyst, the use of such a catalyst and a coating produced with such a catalyst.

No. of Pages: 38 No. of Claims: 14

(21) Application No.3206/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :18/07/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: PNEUMATIC CLEARER FOR SPINNING MACHINE

(51) International classification	:D01H5/00	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)KABUSHIKI KAISHA TOYOTA JIDOSHOKKI
(31) Thomas Document No	162202	Address of Applicant :2-1, TOYODA-CHO, KARIYA-SHI,
(32) Priority Date	:23/07/2012	AICHI-KEN Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)MASAYOSHI TSUBORI
Filing Date	:NA	2)NAOKI MARUYAMA
(87) 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 pneumatic clearer for a spinning machine includes a pneumatic duct disposed extending in a longitudinal direction of the spinning machine, a suction source connected to the pneumatic duct, a plurality of connecting members and a plurality of pneumatic nozzles. The connecting members are mounted to the pneumatic duct. The pneumatic nozzle has a proximal end engaged with the connecting member, a distal end disposed on a delivery side of the draft device and an air passage including minimum and maximum cross-section parts formed on sides of the distal end and the proximal end, respectively. The air passage is formed by a continuous wall extending between the minimum and the maximum cross-section parts. A cross-sectional area of the minimum cross-section part of the air passage of at least one pneumatic nozzle located closest to the suction source is smaller than that of the other pneumatic nozzles.

No. of Pages: 23 No. of Claims: 5

(22) Date of filing of Application :05/08/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: PROCESS FOR THE PRODUCTION OF METHANE RICH GAS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:PA 2012 70470	(71)Name of Applicant:  1)HALDOR TOPSOE A/S Address of Applicant: NYMOLLEVEJ 55, DK-2800 KGS.
(32) Priority Date	:10/08/2012	LYNGBY Denmark
(33) Name of priority country	:Denmark	(72)Name of Inventor:
(86) International Application No	:NA	1)WIX, CHRISTIAN
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a process for the production of methane rich gas, comprising the steps of a) directing a synthesis gas to a bulk methanation stage, comprising one or more reactors, b) withdrawing a first product gas from the first methana-tion stage, c) cooling the first product gas, withdrawing a liquid con-densate and an intermediate feed gas d) heating the intermediate feed gas, e) reacting the intermediate feed gas in a final methana-tion reactor in the presence of a material catalytically active in methanation, forming a final methane rich gas f) withdrawing heat from said final methanation reactor, by means of a cooling medium in heat transmissionable contact with said material catalytically active in methanation, or the gas inside the final methanation reactor, as well as a related process plant for carrying out this process. The process has the associated effect of maintaining a low re—action temperature in at least a part of the final methana—tion stage, thus shifting the chemical equilibrium towards methane and accordingly obtaining a high conversion to methane.

No. of Pages: 17 No. of Claims: 12

(22) Date of filing of Application :23/04/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention : SYSTEM AND METHOD FOR FINANCIAL TRANSACTION USING SCRATCH CARD AND MOBILE PHONE NUMBER

(54) 5	60-71-44	
(51) International classification	:G07F17/42	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Mr.Vinay Kumar D.Honawad
(32) Priority Date	:NA	Address of Applicant :S/o. D.R.Howad, Gangapuram Colony,
(33) Name of priority country	:NA	Darga Jail Road, Near RNS Motors, Bijapur - 586103 Karnataka
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Mr.Vinay Kumar D.Honawad
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

In view of the foregoing, an embodiment herein discloses a system and method for facilitating secure financial transaction using the mobile phone of the user. The method includes the step of allocating scratch card of the defined amount to the user<sup>TM</sup>s mobile phone number. The user can buy the scratch card from the authorized agents or from the financial institution and the agent or financial institution further send the user mobile number, amount defined by the user along with the scratch number to the scratch card service provider. The scratch card service provider further stores the user details send by the agent/financial institution and assign/links the user mobile number with the scratch card and send a passcode on the user<sup>TM</sup>s mobile number. According to an embodiment, user can make financial transaction using the scratch card by either sending the SMS, calling to the toll free number or through online payment portals.

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

(22) Date of filing of Application :26/04/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : BOREWELL, OPENWELL, CREE AND CANAL PUMPING USING SIMPLE MECHANICAL PRINCIPLES

(51) International classification	:B67D7/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)EESAVYASA TECHNOLOGIES PVT. LTD.
(32) Priority Date	:NA	Address of Applicant :PLOT NO: 79, PHASE - III, SVCIE,
(33) Name of priority country	:NA	BALANAGAR, HYDERABAD, R.R. DISTRICT - 500 037
(86) International Application No	:NA	Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)D.P. CHAKRAVARTHY
(61) Patent of Addition to Application Number	:NA	2)BANDA RAVI SANKAR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Present invention provides double impact clutch system to convert positive energy for lifting of water from sources like borewells, open wells, ponds, streams, canals. In this system any quantity of water ranging from 200 litres to higher volumes like one lakh litres can be lifted manually. Laser based level sensors coupled with intelligent control system is used to measure and decide the quantity of the water to be lifted out for each operation automatically.

No. of Pages: 11 No. of Claims: 9

(22) Date of filing of Application :27/04/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : NOVEL PROCESS FOR PREPARATION OF PHYSICOCHEMICALLY STABLE ORAL SUSPENSION

(51) International classification	:A61K	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Micro Labs Limited
(32) Priority Date	:NA	Address of Applicant :No. 27, Race Course Road, Bangalore-
(33) Name of priority country	:NA	560 001, Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SURVE, Pradeep
(87) International Publication No	: NA	2)MANDPE, Pankaj
(61) Patent of Addition to Application Number	:NA	3)KALE, Subhash
Filing Date	:NA	4)YANDE, Vikas
(62) Divisional to Application Number	:NA	5)VASHI, Tejas
Filing Date	:NA	6)JOSHI, Piyush

#### (57) Abstract:

Novel Process for Preparation of Physicochemically Stable Oral Suspension Abstract of the Invention The present invention describes process of preparation of physicochemically stable oral suspension formulation containing mebeverine or pharmaceutically acceptable salts thereof, optionally with one or more pharmaceutically acceptable excipient(s), wherein the process of preparation specifically involves an in-situ conversion of the Mebeverine hydrochloride salt to Mebeverine pamoate. The present invention used for the treatment of irritable bowl syndrome and /or a disease or condition associated with these.

No. of Pages: 22 No. of Claims: 14

(21) Application No.3091/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :10/07/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: VEHICLE CONTROL 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 Number Filing Date</li> </ul>	:2012- 166124 :26/07/2012 :Japan :NA :NA :NA	(71)Name of Applicant:  1)HONDA MOTOR CO. LTD.  Address of Applicant:1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO Japan (72)Name of Inventor:  1)SUGAI, YUJI 2)SAKAI, KOHEI
\ /		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In an apparatus for controlling a vehicle mounted with an internal combustion engine, a stop engine idling controller that controls the engine to stop when predetermined conditions are met and to start the stopped engine when prescribed conditions are met, an electromagnetic valve that operates the accumulator in response to a first command sent from the engine controller, and an starter that starts the engine in response to a second command sent from the engine controller, the stop engine idling controller sends the first command to the magnetic valve to operate the oil pressure generator and then sends the second command to the starter to start the engine (SI00 to SI 16).

No. of Pages: 34 No. of Claims: 14

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention : METHOD, SYSTEM AND NETWORK FOR TRANSMITTING MULTIMEDIA DATA TO A PLURALITY OF CLIENTS

#### (57) Abstract:

For transmitting multimedia data to a plurality of clients (104a, 104b) over a network (102), wherein the multimedia data is stored in a plurality of formats of different multimedia rates, on the basis of utility information for the multimedia data, the utility information describing a relationship between multimedia quality and multimedia rate, and on the basis of a condition of the network (102), for each of the plurality of clients (104a, 104b) available multimedia rates for the multimedia data are determined. In response to a client request (114) for transmitting the multimedia data with a desired multimedia rate, in accordance with the available multimedia rates determined for the requesting client (104a, 104b), a format of the requested multimedia data is selected and the multimedia data is transmitted in the selected format to the requesting client (104a, 104b).

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

(21) Application No.1908/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :29/04/2013 (43) Publication Date : 31/10/2014

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

(51) International classification	:H02K	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)KABUSHIKI KAISHA YASKAWA DENKI
(31) I Hority Document No	232599	Address of Applicant :2-1, KUROSAKI-SHIROISHI,
(32) Priority Date	:22/10/2012	YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806-
(33) Name of priority country	:Japan	0004 Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)NAOTAKE YOSHIZAWA
(87) International Publication No	: NA	2)KIYOMI INOUE
(61) Patent of Addition to Application Number	:NA	3)YOSHIAKI KAMEI
Filing Date	:NA	4)TAKAAKI SHIBUYA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A rotating electrical machine (1) includes a stator (2) and a rotor (3). The rotor (3) includes a cylindrical iron core (10) that is fixed to a shaft (9) and comprises a radial direction and an axial direction, a plurality of permanent magnets (11) that is embedded in the iron core (10), a plurality of air gaps (16) that is provided in a portion on an inner side of the iron core (10) in the radial direction, a wedge portion (18) that is provided along the axial direction so as to protrude within the air gap (16), and a resin (17) that is filled in the air gap (16).

No. of Pages: 28 No. of Claims: 5

(22) Date of filing of Application :09/07/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention : SUPPORTING FRAME STRUCTURE HAVING A THIRD, LONGITUDINALLY RUNNING SUPPORTING CONSTRUCTION

(51) International classification	:B62D21/00	(71)Name of Applicant :
(31) Priority Document No	:10 2012	1)MAN TRUCK & BUS AG
(51) Thomas Boominent 110	013 905.5	Address of Applicant :DACHAUER STR. 667, 80995
(32) Priority Date	:13/07/2012	MUNCHEN Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)SATTLER, STEVE
Filing Date	:NA	2)HINTEREDER, JURGEN
(87) 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:

Supporting frame structure having a third, longitudinally running supporting con-struction Abstract The invention relates to a supporting frame structure (1) for a utility vehicle, in particular a heavy goods vehicle, preferably a semitrailer tractor. The supporting frame structure (1) comprises a first longitudinally running supporting construction (10) and a second longitu-dinally running supporting construction (20), said supporting constructions being spaced apart from one another in a transverse direction (QR) of the supporting frame structure (1). The supporting frame structure (1) also comprises wheel suspension units (RA) for front wheels (Rv) for the utility vehicle and in particular a tank unit (T) for accommodating fluid, for example a fuel tank unit and/or an air tank unit. Furthermore, the supporting frame structure (1) comprises a third, longitudinally running supporting construction (30).

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

(21) Application No.3510/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :05/08/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: AIR CLEANER FOR WORK MACHINE ENGINE

(31) Priority Document No :212- 177255	(71)Name of Applicant:  1)HONDA MOTOR CO., LTD.  Address of Applicant: 1-1, MINAMI-AOYAMA 2-CHOME,  MINATO-KU, TOKYO 107-8556 Japan  (72)Name of Inventor:  1)TANIGUCHI, TORU
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#### (57) Abstract:

To provide an air cleaner for a work machine engine which is less likely to be clogged even if the engine is operated in dusty environments, and can thus achieve a relatively long service life. [MEANS FOR SOLUTION] An air cleaner for a work machine engine includes: a cleaner case (22) having an air inlet (20) on one of opposite sides and an air outlet (21) on the other side, the air inlet (20) opening to the atmosphere, the air outlet (21) communicating with a carburetor (10) of an engine (E); and filtering means (25) disposed in the cleaner case (22) in such a way as to partition an inside thereof into a pre-purification chamber (23) communicating with the air inlet (20) and a post-purification chamber (24) communicating with the air outlet (21). The filtering means (25) includes a first cleaner element (35) made of paper and exposed to the pre-purification chamber (23), and a second cleaner element (36) made of nonwoven fabric and exposed to the post-purification chamber (24).

No. of Pages: 19 No. of Claims: 3

(22) Date of filing of Application :13/08/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: PROCESS FOR HYDROGENATING SILICON TETRACHLORIDE TO TRICHLOROSILANE

(51) I	C01D	
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:10 2012	1)WACKER CHEMIE AG
(31) I Hority Document No	218 741.3	Address of Applicant :HANNS-SEIDEL-PLATZ 4, D-81737
(32) Priority Date	:15/10/2012	MUNCHEN Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)HACKL, WALTER
Filing Date	:NA	2)ELLINGER, NORBERT
(87) International Publication No	: NA	3)HIRSCHMANN, ANDREAS
(61) Patent of Addition to Application Number	:NA	4)KAHLER, MARKUS
Filing Date	:NA	5)PATZOLD, UWE
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention provides a process for hydrogenating silicon tetrachloride in a reactor, in which reactant gas comprising hydrogen and silicon tetrachloride is heated to a temperature of greater than 900°C at a pressure between 4 and 15 bar, first by means of at least one heat exchanger made from graphite and then by means of at least one heating element made from SiC-coated graphite, the temperature of the heating elements being between 1150°C and 1250°C, wherein the reactant gas includes at least one boron compound selected from the group consisting of diborane, higher boranes, boron-halogen compounds and boron-silyl compounds, the sum of the concentrations of all boron compounds being greater than 1 ppmv based on the reactant gas stream.

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

(22) Date of filing of Application :05/08/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention : SYSTEMS AND METHODS FOR LIMITING USER CUSTOMIZATION OF TASK WORKFLOW IN A CONDITION BASED HEALTH MAINTENANCE SYSTEM

(51) International classification (31) Priority Document No	:G06Q10/00 :13/572,518	(71)Name of Applicant : 1)HONEYWELL INTERNATIONAL INC.
(32) Priority Date	:10/08/2012	'
(33) Name of priority country	:U.S.A.	2245, MORRISTOWN, NEW JERSEY 07962-2245 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DOUGLAS L. BISHOP
(87) International Publication No	: NA	2)PETR DOLAK
(61) Patent of Addition to Application Number	:NA	3)MIROSLAV KRUPA
Filing Date	:NA	4)DOUGLAS ALLEN BELL
(62) Divisional to Application Number	:NA	5)TIME FELKE
Filing Date	:NA	

#### (57) Abstract:

Systems and methods are provided for customizing workflow in a condition based health maintenance (CBM) system computing node. The computerized method comprises identifying a first standardized executable application module (SEAM), wherein the first SEAM is configured to generate a first event associated with particular data being processed by the first SEAM and identifying a second SEAM, wherein the second SEAM is configured to generate a subsequent event associated with the particular data processed by the first SEAM. The computerized method further comprises creating a quasi-state machine associating a unique responses to the first event and associating a unique responses to the subsequent event, and installing the quasi-state machine into the SDS of the computing node from which the workflow service state machine retrieves the one or more unique responses from the quasi-state machine to the first event for processing by the second SEAM to produce the subsequent second event.

No. of Pages: 51 No. of Claims: 9

(21) Application No.3592/CHE/2013 A

(19) INDIA

(22) Date of filing of Application: 13/08/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: LUBRICATING OIL PASSAGE STRUCTURE FOR ENGINES

(32) Priority Date :22/08/2012 Address of A	IG INDUSTRY CO. LTD.  f Applicant :184 KENG TZU KOU, SHANG KENG SIN FONG SHIANG, HSINCHU Taiwan Inventor: O YU
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### (57) Abstract:

A lubricating oil passage structure for engines includes a crankcase and a cylinder block which are assembled together. The crankcase includes a right-side crankcase and a left-side crankcase, wherein the right-side crankcase has a right-side inner passage, while the left-side crankcase has a left-side inner passage. A channel is provided between the right-side inner passage and the left-side inner passage. The cylinder block includes a first oil passage groove, a second oil passage groove, multiple grooves, and a cylinder-block transmission element chamber. The first oil passage groove is communicated with the left-side inner passage and the multiple grooves, while the second oil passage groove with the multiple grooves and the cylinder-block transmission element chamber. After lubricating oil flows through the right-side inner passage, the channel, and the left-side inner passage, the lubricating oil flows then into the first oil passage groove and flows to the second oil passage groove through the multiple grooves, and eventually to the transmission element compartment. This will provide an appropriate cooling to portion of the cylinder block adjacent to the transmission element compartment so as to balance heat expansion of the cylinder block.

No. of Pages: 23 No. of Claims: 6

(22) Date of filing of Application :13/08/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: ENGINE INTAKE MANIFOLD CONTROL DEVICE FOR MOTORCYCLES

(31) Priority Document No :101	(72)Name of Inventor: 1)SHIH TING-WEI 2)YEH WEI-CHIH 3)WANG YU-REN 4)TSAI CHIA-CHANG
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#### (57) Abstract:

An engine intake manifold control device for motorcycles includes an intake structure arranged between a combustion chamber of a motorcycle engine and an air cleaner, an actuator, a temperature sensor, an engine rotation sensor, a throttle openness sensor, and a control unit which is electrically connected with the actuator and all the sensors and which control s the actuator. The intake structure includes an intake passage and a value controlled by the actuator. The value is arranged in first front intake section or a second front intake section of the intake passage. Through the above structure, by detecting engine temperature, and incorporating conditions of engine rotation speed and throttle openness so as to control valve actions and to vary amount of intake in compliance with engine combustion character and loading, the engine can always maintain optimal engine power output.

No. of Pages: 22 No. of Claims: 9

(22) Date of filing of Application :24/04/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention : SPEED COMMAND OF A BRUSHLESS DC MOTOR BASED CEILING FAN USING A WALL MOUNTED SWITCH

(51) International classification	:G05B19/10	(71)Name of Applicant :
(31) Priority Document No	:NA	1)VERSA DRIVES PRIVATE LIMITED
(32) Priority Date	:NA	Address of Applicant : VERSA DRIVES PRIVATE LIMITED
(33) Name of priority country	:NA	351B/2A UZHAIPALAR STREET GN Mills PO Coimbatore
(86) International Application No	:NA	Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)K DURGASHARAN
(61) Patent of Addition to Application Number	:NA	2)M SELVAKUMAR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A speed command scheme for a BLDC motor based ceiling fan consisting of 1) a wall-mounted power on/off switch; 2) an electronic controller consisting of a switched mode power supply, an inverter, and a micro-controller based control system with firmware to control the motor. The electronic controller is embedded within the BLDC motor. The scheme involves the electronic controller detecting the number of times the user switches the fan on and off within a certain time period and commanding the fan speed accordingly. The controller detects the speed commanded by the user by processing the magnitude and timing of the changes in internal DC bus voltage that occurs when the wall-mount power switch is switched ON/OFF. The changes are interpreted by the microcontroller appropriately and the fan is run at the corresponding speed.

No. of Pages: 11 No. of Claims: 3

(21) Application No.1794/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :24/04/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : AN APPARATUS AND METHOD OF INSPECTING THICKNESS OF THE ROOT OF THE T-ROOT BLADE WITH ACCURACY

(51) International classification	:F01N3/28	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Triveni Turbine Limited
(32) Priority Date	:NA	Address of Applicant :12A, Peenya Industrial Area,
(33) Name of priority country	:NA	Bangalore. Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Subramanya.M
(87) 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 apparatus 100 and method of inspecting thickness of the root of the T root blade with accuracy is disclosed as shown in figure 6, wherein the problems associated with inspection of thickness and angle of taper of the root of the T root blade using screw gauge and sine bar like huge time consuming, difficulty in inspection, less accuracy, deployment of skilled labour etc., are eliminated by providing an apparatus 100 for inspection of thickness of the root of the T root blades. As a result, a simple apparatus and simple method which can inspect the thickness of the root of the T root blade in less time with accuracy using unskilled labour also is obtained.

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

(22) Date of filing of Application :21/06/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention : STATOR CORE, SPLIT CORE BLOCK, STATOR MANUFACTURING METHOD AND ROTARY ELECTRIC MACHINE

( <del>-1</del> )	****	
(51) International classification	:H02K	(71)Name of Applicant:
(31) Priority Document No	:2012-	1)KABUSHIKI KAISHA YASKAWA DENKI
	217267	Address of Applicant :2-1, KUROSAKI-SHIROISHI,
(32) Priority Date	:28/09/2012	YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806-
(33) Name of priority country	:Japan	0004 Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KAZUAKI IRIE
(87) 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 stator core is formed by laminating a plurality of annular core plates one on top of another. The stator core includes a cylindrical yoke and a plurality of radially protruding teeth arranged at a specified interval along a circumferential direction of the yoke. Each of the core plates includes a plurality of annularly-arranged split cores each having a yoke portion forming the yoke and a tooth portion protruding from the yoke portion and forming the teeth. The yoke portion includes a first yoke section and a second yoke section extending different lengths at opposite lateral sides of the tooth portion.

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

(21) Application No.3617/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :14/08/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention : PLUG PIN RECEIVING STRUCTURE FOR POWER OUTLET AND POWER OUTLET EQUIPPED WITH SAME 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>	:2012- 187886	(71)Name of Applicant:  1)PANASONIC CORPORATION Address of Applicant: 1006, OAZA KADOMA, KADOMA- SHI, OSAKA 571-8501 Japan (72)Name of Inventor: 1)KOMIYAMA MASARU 2)KUSAMA KIMIO
Filing Date		2)KUSAMA KIMIO
(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:

This invention relates to a plug pin receiving structure (1) for a power outlet. The plug pin receiving structure (1) comprises electrically conductive elastic plates (2), and expansion limiters (3) for restricting expansion of a space between the elastic plates (2). The plates (2) have joining portions (21) for making the plates (2) into a ring topologically, and receiving portions (22) ((A) and (B)) between the joining portions (21). When a pin (9) is inserted in the portion (A): the space of the portion (A) expands; the space of the portion (B) gets smaller; and the pin is held in the portion (A) and pressed due to the restoring force of the plates (2). The plates (2) are deformed co-operatively as a whole which means substantial increase of the material of the elastic plates (2), therefore the plates (2) can be made thinner and material cost can be suppressed.

No. of Pages: 29 No. of Claims: 6

(21) Application No.3467/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :01/08/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: MOTOR-DRIVEN COMPRESSOR

(31) Priority Document No  (32) Priority Date (33) Name of priority country (86) International Application No  :2012- 176160 Addres AICHI-KE (72)Name (72)Name	ame of Applicant: ABUSHIKI KAISHA TOYOTA JIDOSHOKKI dress of Applicant: 2-1, TOYODA-CHO, KARIYA-SHI, -KEN Japan ame of Inventor: KASAKU, HIROSHI AMASHITA
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#### (57) Abstract:

A motor-driven compressor includes an electric motor including a stator and a rotor, wherein the stator includes a stator core and a coil end projecting from the stator core, a rotation shaft, a compression unit, a motor driving circuit, a housing accommodating the compression unit, the electric motor, and the motor driving circuit sequentially arranged in an axial direction of the rotation shaft, a conductor configured to electrically connect the motor driving circuit to the electric motor, a lead extending from the coil end, a connection terminal electrically connecting the conductor to the lead, and a cluster block accommodating the connection terminal. The cluster block is arranged in the housing. The cluster block is coupled to the stator with at least part of the cluster block located inward from the coil end in a radial direction of the rotation shaft.

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

(21) Application No.3468/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :01/08/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : METHOD FOR CONTROLLING AN ELECTROMAGNETIC CONTACTOR AND ELECTROMAGNETIC CONTACTOR IMPLEMENTING SUCH A METHOD

:H01H47/00	(71)Name of Applicant :
:12/57696	1)ABB FRANCE
:08/08/2012	Address of Applicant :3 AVENUE DU CANADA,
:France	IMMEUBLE ATHOS, LES ULIS, 91978, COURTABOEUF
:NA	CEDEX France
:NA	(72)Name of Inventor:
: NA	1)HAMOND, CHRISTOPHE
:NA	
:NA	
:NA	
:NA	
	:12/57696 :08/08/2012 :France :NA :NA : NA :NA :NA

#### (57) Abstract:

The present invention relates to a control method for an electromagnetic contactor. It also relates to an electromagnetic contactor implementing such a method. The method consists of supplying an electromagnet (9) of the contactor (4) with a pulse width modulation (PWM) supply signal and having a nominal frequency (Fch), the method also consisting of varying the period (T) over at least part of the pulses of the modulation so as to reduce the conducted electromagnetic disruptions, the variation of the period (T) being chosen such that the frequency (F) of the supply signal remains comprised in a given frequency band (BF) including the nominal frequency (Fch).

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

(21) Application No.3692/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :21/08/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: PUSH-FIT CONNECTOR

(51) International classification	:F28F	(71)Name of Applicant :
(31) Priority Document No	:12 006 361.5	1)NORMA GERMANY GMBH Address of Applicant :EDISONSTRASSE 4, 63477
(32) Priority Date	:10/09/2012	MAINTAL Germany
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:NA	1)MANN, STEPHAN
Filing Date	:NA	2)SEIBEL, KNUT
(87) International Publication No	: NA	3)SEMMEL, PATRICK
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		-

## (57) Abstract:

The invention relates to a push-fit (2) connector with a housing (6) that has an accommodation space (7), a connecting piece (4) and a channel (10) connecting the accommodation space (7) and the connecting piece (4), wherein a heating zone is provided in the inside of the channel (10). The object is to enable a quick heating of a fluid line with a push-fit connector of this type. For this purpose, it is provided that a heat-conducting element (19) is arranged between the heating zone and the accommodation space (7).

No. of Pages: 13 No. of Claims: 15

(22) Date of filing of Application :21/08/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : METHOD FOR MANUFACTURING OUTER TUBE AND METHOD FOR MANUFACTURING OUTER TUBE WITH BEARING

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:F16F9/00 :2012-	(71)Name of Applicant: 1)SHOWA CORPORATION
(32) Priority Date	239824 :31/10/2012	Address of Applicant :1-14-1, FUJIWARA-CHO, GYODA-SHI, SAITAMA 361-8506 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No Filing Date	:NA :NA	1)KAMEDA, HIROKATSU 2)TAKAHASHI HIDEAKI
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	: NA :NA	3)MASUDA, KIYOSHI
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An object of the present invention is to provide, for example, a method for manufacturing an outer tube which can suppress the cause of pressure leakage from the outer tube and reduce workload to allow the outer tube to be inexpensively manufactured. Provided is a method for manufacturing the outer tube serving as a component of a shock absorber, in which a core 2 is installed inside a main mold 1 and molten metal 10 is poured between the main mold 1 and the core 2 to form the outer tube 3. The core 2 includes an inner-peripheral-surface shaping portion 21 for shaping an inner peripheral surface 4 of the outer tube such that the inner peripheral surface 4 has a draft, and a bearing press-fit surface forming portion 22 for forming, in a part of the inner peripheral surface 4 of the outer tube, a bearing press-fit surface 7 that is parallel to a center axis 6 of the outer tube.

No. of Pages: 18 No. of Claims: 2

(21) Application No.1833/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :25/04/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: INTEGRATED OPTO-ELECTRONIC OSCILLATORS

(51) International classification (31) Priority Document No	:H01S :NA	(71)Name of Applicant: 1)M. S. Ramaiah School of Advanced Studies, Bangalore
(32) Priority Date	:NA	Address of Applicant :#470-P, Peenya Industrial Area, Peenya
(33) Name of priority country	:NA	4th Phase, Bengaluru, 560 058. Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Ugra Mohan Roy
(87) International Publication No	: NA	2)Govind R. Kadambi
(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 the present invention, the long optical fiber may be replaced by an optical ring resonator (micro-ring resonator). Use of optical ring resonator may reduce the size of the oscillator and may be integrated on a single chip. Use of optical ring resonator eliminates the line loss which in turn increases the quality (Q) factor of the oscillator. According an embodiment of the present invention, an array of optical ring resonators may be used which may increase the maximum power transmission in the feedback loop. Also, an array of photodiodes may be used to increase the conversion efficiency in the feedback loop.

No. of Pages: 23 No. of Claims: 6

(22) Date of filing of Application :26/04/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: ROBOT TEACHING SYSTEM AND ROBOT TEACHING METHOD

(51) International classification	:G09b	(71)Name of Applicant :
(31) Priority Document No	:2013-	1)KABUSHIKI KAISHA YASKAWA DENKI
(31) Thomas Document No	005480	Address of Applicant :2-1, KUROSAKI-SHIROISHI,
(32) Priority Date	:16/01/2013	YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806-
(33) Name of priority country	:Japan	0004 Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)YUKIKO SAWADA
(87) International Publication No	: NA	2)TOMOYUKI SEKIYAMA
(61) Patent of Addition to Application Number	:NA	3)KENICHI MOTONAGA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

This robot teaching system includes a teaching tool including an operation portion operated by a user to specify teaching positions and specifying the teaching positions, a measuring portion measuring positions and postures of the teaching tool, and a control portion determining the teaching positions for a robot. The robot teaching system is configured to specify the teaching positions continuously while the user operates the operation portion of the teaching tool.

No. of Pages: 47 No. of Claims: 20

(21) Application No.2931/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :19/07/2012 (43) Publication Date : 31/10/2014

# (54) Title of the invention : LAMINATED CORE, METHOD OF MANUFACTURING THE LAMINATED CORE, AND ROTATING ELECTRICAL DEVICE

(51) International classification	:H01F	(71)Name of Applicant:
(31) Priority Document No	:2011- 175202	1)KABUSHIKI KAISHA YASKAWA DENKI Address of Applicant :2-1, KUROSAKI-SHIROISHI,
(32) Priority Date	:10/08/2011	YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806-
(33) Name of priority country	:Japan	0004 Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KENICHI HIRATA
(87) International Publication No	: NA	2)KAZUTOSHI YOSHIMURA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

To provide a laminated core that can be efficiently produced by reducing stacking time. A laminated core (1) includes a plurality of annular core plates (2) that are stacked. Each annular core plate (2) includes a plurality of division cores (3) that are disposed in an annular shape, the division cores (3) being formed of directional electromagnetic steel plates, the division cores (3) having a plurality of teeth (31) that are disposed side by side so as to be spaced apart from each other by a predetermined interval. Each division core (3) includes an imaginary centerline (MO) extending along an easy magnetization direction (M) of, the corresponding directional electromagnetic steel plate, and has a length that extends over a predetermined angle on the left and over the predetermined angle on the right of the imaginary centerline (MO) from a common radial center of each teeth (31).

No. of Pages: 31 No. of Claims: 7

(22) Date of filing of Application :05/07/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention: EFFICIENT PROCESS FOR THE PREPARATION OF LAPATINIB AND SALTS THEREOF BY MEANS OF NEW INTERMEDIATES

<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>	:C07D405/00 :VI2013A000003 :14/01/2013 :Italy	(71)Name of Applicant:  1)F.I.S FABBRICA ITALIANA SINTETICI S.P.A. Address of Applicant: VIALE MILANO, 26 36075 MONTECCHIO MAGGIORE, VICENZA Italy
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)FRANCESCO FONTANA
(87) International Publication No	: NA	2)ALFREDO PAIO
(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 refers to a new efficient process for the synthesis of the active pharmaceutical ingredient Lapatinib and salts thereof. In particular, the present synthesis is carried out employing new intermediates in which the amine function is protected by a group cleavable in basic milieu that provides a higher overall yield of the synthesis process.

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

(22) Date of filing of Application :22/08/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: CYLINDER - HEAD STRUCTURE OF MOTORCYCLES

(31) Priority Document No :1011	(72)Name of Inventor: 1)CHOU PO-YU 2)CHOU YU CHIEH 3)HUNG WEI-JIN
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## (57) Abstract:

A cylinder-head structure of motorcycles includes a cylinder head, a first air-guiding rib, a second air-guiding rib, a cavity, and a passage. The cylinder head includes a spark plug-fastening spot between an intake-side external surface and an exhaust-side external surface such that an airflow channel is interposed between the spark plug-fastening spot and the exhaust-side external surface. The cavity is interposed between the second air-guiding rib and the exhaust-side external surface, and is adjacent to the spark plug-fastening spot. The passage passes through the cylinder head. By arranging the cavity to be adjacent to the spark plug-fastening spot, and the passage to be passing through the cylinder head, a cooling passage to the spark plug-fastening spot and to the exhaust side can be formed. Besides, the second air-guiding rib will introduce inflow cooling airflow to the cavity and the passage so as to cool the spark plug-fastening spot and the exhaust side. This will improve cooling effect and enhance durability and cooling efficiency of the cylinder head of engine.

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

(22) Date of filing of Application :13/08/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: A METHOD FOR OPERATING AN INTERNAL COMBUSTION ENGINE

(51) International classification	:F02D	(71)Nama of Applicant :
(31) International classification		(71)Name of Applicant:
(31) Priority Document No	:A	1)GE JENBACHER GMBH & CO OG
(51) Thomas Bocament No	895/2012	Address of Applicant : ACHENSEESTRASSE 1-3, 6200,
(32) Priority Date	:17/08/2012	JENBACH Austria
(33) Name of priority country	:Austria	(72)Name of Inventor:
(86) International Application No	:NA	1)BARTH, CHRISTIAN
Filing Date	:NA	2)KOPECEK, HERBERT
(87) International Publication No	: NA	3)SPYRA, NIKOLAUS
(61) Patent of Addition to Application Number	:NA	4)WALDHART, MICHAEL
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method for operating an internal combustion engine (1), in particular a gas engine, having at least two cylinders (2), wherein a cylinder-specific first cylinder signal (pmax, E) is acquired from each cylinder (2), wherein at least one combustion parameter (Q, Z) of the corresponding cylinder (2) is controlled as a function of the first cylinder signal (pmax, E), characterized in that a cylinder-specific reference cylinder value (pmax, E) is set for the first cylinder signal (pmax, E) for each cylinder (2), wherein the at least one combustion parameter (Q, Z) of the cylinder (2) is adjusted as a function of the deviation of the first cylinder signal (pmax, E) from the reference cylinder value (pmax, E), wherein the first cylinder signal (pmax, E) tracks the reference cylinder value (pmax\ E).

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

(21) Application No.3590/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :13/08/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: A METHOD FOR OPERATING AN INTERNAL COMBUSTION ENGINE

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:A 896/2012	1)GE JENBACHER GMBH & CO OG Address of Applicant :ACHENSEESTRASSE 1-3, 6200,
(32) Priority Date	07 01 - 0	JENBACH Austria
(33) Name of priority country	:Austria	(72)Name of Inventor:
(86) International Application No	:NA	1)BARTH, CHRISTIAN
Filing Date	:NA	2)KOPECEK, HERBERT
(87) International Publication No	: NA	3)SPYRA, NIKOLAUS
(61) Patent of Addition to Application Number	:NA	4)WALDHART, MICHAEL
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method for operating an internal combustion engine (1), in particular a gas engine, having at least three cylinders (2), wherein a cylinder-specific signal (pmax, E) is acquired from each cylinder (2), wherein a reference value (pmedian, Emedian) is generated from the signals (pmax, E) from the cylinders (2), wherein at least one combustion parameter (Q, Z) of the corresponding cylinder (2) is controlled as a function of the deviation of a signal (pmax, E) from the reference value (pmed\an, Emedian), whereupon the signal (pmax, E) tracks the reference value (pmedian, Emedian), characterized in that the median of the signals (pmax, E) is generated as the reference value (pmedian> Emedian).

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

(22) Date of filing of Application :23/08/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: PROTECTIVE DEVICE FOR LC FILTER

(51) International classification	:H02M3/00	(71)Name of Applicant:
(31) Priority Document No	:2012- 188796	1)KABUSHIKI KAISHA TOYOTA JIDOSHOKKI Address of Applicant :2-1, TOYODA-CHO, KARIYA-SHI,
(32) Priority Date	:29/08/2012	AICHI-KEN Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)KAGAWA, FUMIHIRO
Filing Date	:NA	2)FUKASAKU, HIROSHI
(87) International Publication No	: NA	3)NAJIMA, KAZUKI
(61) Patent of Addition to Application Number	:NA	4)NAGATA, YOSHIKI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(5=) A1		•

#### (57) Abstract:

A protective device protects an LC filter in a vehicle. The vehicle includes a first vehicle-mounted electric device and a second vehicle-mounted electric device. The first vehicle-mounted electric device includes a first power converter. The second vehicle-mounted electric device includes a second power converter and shares a power supply with the first vehicle-mounted electric device. The LC filter is arranged between the first power converter and the power supply. The LC filter is configured such that the resonance frequency band of the LC filter can be changed. The resonance frequency band of the LC filter is changed based on a ripple amount in a current flowing in the LC filter.

No. of Pages: 34 No. of Claims: 16

(22) Date of filing of Application :28/08/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: APPARATUS FOR SHOCK-SECURE DOOR OR HATCH ARRANGEMENT ON MARINE SHIPS

(51) International classification	:E05F15/00 :10 2012	(71)Name of Applicant: 1)THYSSENKRUPP MARINE SYSTEMS GMBH
(31) Priority Document No	021 583.5	Address of Applicant :WERFTSTRASSE 112-114 D-24143
(32) Priority Date	:23/10/2012	KIEL Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)KARALLUS RAINER
Filing Date	:NA	2)DRAEGER JORG
(87) International Publication No	: NA	3)DETERMSNN WOLFRAM
(61) Patent of Addition to Application Number	:NA	4)SALAZAR GERARDO
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

In an apparatus for shock-secure door or hatch arrangement on marine ships it is provided to arrange corresponding latching elements that are adjustable via a handle and that engage into one another for fixing a door leaf in the doorway frame. In this regard it is provided that the doorway frame, on two mutually oppositely located longitudinal sides, comprises continuous latching bars as latching elements that are receivable in corresponding grooves of a door leaf frame. The side of the door leaf pivotably connected with the doorway frame has a stationary latching bar for inserting into the groove of the door leaf frame during a closing motion of the door leaf. A latching bar that is adjustable or movable into the doorway frame is guided on the oppositely located side, and this adjustable latching bar is insertable via adjustment elements into a groove of the door leaf frame for latching in the closed position of the door leaf.

No. of Pages: 17 No. of Claims: 7

(21) Application No.10309/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application: 27/12/2013 (43) Publication Date: 31/10/2014

## (54) Title of the invention: DUAL FUNCTION CATALYTIC FILTER

:WO 2012/166833

(51) International classification: B01D53/94,F01N3/035,F01N3/20 (71)Name of Applicant:

(31) Priority Document No :61/491870 (32) Priority Date :31/05/2011

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

(86) International Application :PCT/US2012/040064

:31/05/2012 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) JOHNSON MATTHEY PUBLIC LIMITED COMPANY

Address of Applicant :25 Farringdon Street 5th Floor London

EC4A 4AB U.K.

(72)Name of Inventor:

1)SPREITZER Glen

2)CHATTERJEE Sougato 3)RAJARAM Raj Rao

4)COLLIER Jillian Elaine

5)MILLINGTON Paul James

6)LAROZE Sylvie Cecile

### (57) Abstract:

A dual function catalytic filter is provided having a soot filter with an inlet and an outlet a soot oxidation layer on the inlet wherein the soot oxidation layer comprises a soot oxidation catalytic component consisting essentially of at least one transition metal dispersed on a cerium and zirconium mixed and/or composite oxide wherein the at least one transition metal is selected from the group consisting of W Cr Ce Mn Fe Co Ni Cu and combinations thereof and an SCR layer coated on the outlet wherein the SCR layer comprises an SCR catalytic component. Also provided are methods for removing NOx and soot from a lean burn exhaust gas using the dual function catalytic filter.

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

(22) Date of filing of Application :30/04/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: A WASHABLE FABRIC OR GARMENT, A COMPOSITION, PROCESSES AND KIT THEREOF

(24) 2		200
(51) International classification	:A41D13/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ADITYA BIRLA NUVO LIMITED
(32) Priority Date	:NA	Address of Applicant :Plot No. 5B, Regent Gateway,
(33) Name of priority country	:NA	Doddanakundi Village, KIADB Industrial Area, ITPL Road,
(86) International Application No	:NA	Bangalore 560 048, Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DEBASHIS BHADRA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present disclosure relates to a washable fabric or garment imprinted with a composition comprising activated carbon, fluorocarbon, fluorocarbon extender and polyacrylate binder. The present disclosure further relates to a process of obtaining the said composition and a process of obtaining said fabric or garment and a kit thereof. The said fabric or garment is woven, made of 100% cotton and wash durable for up to 50 washes. The garment mentioned is preferably in the form of a mask which also possesses the said properties and acts as a filter by adsorbing all pollutants in air, thereby allowing fresh air to the wearer of the mask for inhaling.

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

(21) Application No.3472/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :01/08/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: HYDRAULIC PRESSURE SUPPLY DEVICE

(51) International classification	:F16H61/00	(71)Name of Applicant:
(31) Priority Document No	:2012- 185639	1)HONDA MOTOR CO., LTD. Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME,
(32) Priority Date	:24/08/2012	MINATO-KU, TOKYO Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)YOSHINARI, DAIJIRO
Filing Date	:NA	2)FUJIKAWA, ATSUSHI
(87) International Publication No	: NA	3)IGARI, GENSOU
(61) Patent of Addition to Application Number	:NA	4)UENO, TAKAO
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A hydraulic pressure supply device capable of sufficiently supplying hydraulic pressure to a driving force transmission mechanism at the restart of operation of an oil pump and reducing manufacturing costs of the device. The hydraulic pressure supply device is provided with a first accumulator capable of accumulating hydraulic pressure supplied via a main line and a sub line. During operation of the oil pump, a shut-off valve for opening and closing the sub line is opened, and during stoppage of the oil pump, the shut-off valve is closed in order to maintain hydraulic pressure accumulated in the first accumulator by shutting off between the main line and the first accumulator. Further, during stoppage of the oil pump, part of the hydraulic pressure in a closed circuit closed by the shut-off valve including the sub line and the first accumulator is accumulated in the second accumulator.

No. of Pages: 39 No. of Claims: 2

(22) Date of filing of Application :29/08/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: YARN DETECTING SYSTEM FOR SPINNING 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></ul>	:2012- 194980	(71)Name of Applicant:  1)KABUSHIKI KAISHA TOYOTA JIDOSHOKKI Address of Applicant: 2-1, TOYODA-CHO, KARIYA-SHI, AICHI-KEN Japan (72)Name of Inventor:
(86) International Application No	:NA	1)YUSUKE MIZUNO
Filing Date	:NA	2)YTAKA SHINOZAKI
(87) 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 yarn detecting system for a spinning machine includes a plurality of yarn detecting units, a signal transmitter and a signal receiver. Each ring plate is provided for a plurality of spinning stations. The yarn detecting unit is provided for each ring plate and includes a plurality of yarn detecting devices which is provided for the respective spinning stations and each of which includes a sensor and generates a detection signal indicative of a state of yarn at the spinning station and a determining device which determines the state of the yarns according to the detection signals and generates first pulse signals representing the state of the yarns. Signal transmission is performed from the determining device to the main controller and the signal transmission between the signal transmitter and the signal receiver provided between the adjacent ring plates is performed in a non-contact manner.

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

(21) Application No.2932/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :19/07/2012 (43) Publication Date : 31/10/2014

# (54) Title of the invention : ROTOR OF ROTATING ELECTRIC MACHINE, ROTATING ELECTRIC MACHINE, AND END FACE MEMBER OF ROTOR

(51) International classification	:H02K	(71)Name of Applicant :
(31) Priority Document No	:2011- 179385	1)KABUSHIKI KAISHA YASKAWA DENKI Address of Applicant :2-1, KUROSAKI-SHIROISHI,
(32) Priority Date		YAHATANISH-KU, KITAKYUSHU-SHI, FUKUOKA 806-
(33) Name of priority country	:Japan	0004 Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KENJI FUNAKOSHI
(87) International Publication No	: NA	2)KENJI MATSUURA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A rotor (6) of a rotating electric machine (1), the rotating electric machine (1), and an end face member (63) of the rotor (6) are structured such that a rotor core (61) formed by stacking plates, a shaft (62) which is a rotating shaft, and an end ring (63) which is an end face member are provided. The shaft (62) extends through the rotor core (61). The end ring (63) includes a press-fitting portion (63a) to which the shaft (62) is press-fitted, and is attached, by means of the press-fitting portion (63a), to an end face of the rotor core (61) from which the shaft (62) projects.

No. of Pages: 36 No. of Claims: 10

(22) Date of filing of Application :05/08/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: COMBINED BRAKE SYSTEM FOR MOTORCYCLE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:2012- 263618	(71)Name of Applicant:  1)HONDA MOTOR CO., LTD.  Address of Applicant:1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, 107-8556 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)KANETA, HIROYUKI
Filing Date	:NA	2)OKAZAKI, YASUNORI
(87) International Publication No	: NA	3)TANI, KAZUHIKO
(61) Patent of Addition to Application Number	:NA	4)ISHIKAWA, SHUNYA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

To provide a combined brake system which can operate a hydraulic brake and a mechanical brake in a combined manner, wherein the combined brake system includes a brake lock mechanism having the simple structure by suppressing the increase of the number of parts as much as possible. [Means for Resolution] A distribution mechanism 3 6 which distributes an operating force of a left brake lever 17 to the hydraulic brake and the mechanical brake includes: a cable arm 51 which is supported in a rotatable manner about a support shaft 45 and has one end to which a brake cable 3 5 is connected; and an equalizer 53 which is configured such that one end portion of the equalizer 53 is rotatably supported on the other end of the cable arm 51, and the equalizer 53 is rotatable about one end portion thereof due to abutment of the left brake lever 17 to the equalizer 53 at an intermediate portion between one end portion and the other end portion of the cable arm 51 thus making the other end portion of the equalizer 53 push the master cylinder 37, and the cable arm 51 can be held by a brake lock lever 3 9 in a state where the brake cable 3 5 is pulled.

No. of Pages: 62 No. of Claims: 6

(21) Application No.3597/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :13/08/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: DESALINATION SYSTEM

(51) International classification	:C02F1/00	(71)Name of Applicant:
(31) Priority Document No	:2012- 182843	1)HITACHI, LTD Address of Applicant :6-6, MARUNOUCHI 1-CHOME,
(32) Priority Date	:22/08/2012	CHIYODA-KU, TOKYO 100-8280 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)MISAKI SUMIKURA
Filing Date	:NA	2)MAKOTO ONISHI
(87) International Publication No	: NA	3)TOSHIAKI ARATO
(61) Patent of Addition to Application Number	:NA	4)KOJI KAGEYAMA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		•

#### (57) Abstract:

A desalination system includes a sterilizing device (11) that is arranged on an upstream side of a reverse osmosis membrane module 16 and performs a sterilization treatment (oxidative treatment) on seawater, a biological treatment tank (13) that is arranged between the sterilizing device (11) and the reverse osmosis membrane module (16) and that contains microorganisms that assimilate organic matter, and a control device (17) that controls the sterilizing device (11) so that a readily biodegradable organic concentration is lower on a downstream side of the biological treatment tank (13) than on an upstream side of the sterilizing device (11).

No. of Pages: 42 No. of Claims: 9

(19) INDIA

(22) Date of filing of Application :15/10/2012

(21) Application No.4290/CHE/2012 A

(43) Publication Date: 31/10/2014

# (54) Title of the invention: HANDLING ROBOT

(51) International classification	:B25J	(71)Name of Applicant :
(31) Priority Document No	:2011- 239446	1)KABUSHIKI KAISHA YASKAWA DENKI Address of Applicant :2-1, KUROSAKI-SHIROISHI,
(32) Priority Date	:31/10/2011	YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806-
(33) Name of priority country	:Japan	0004 Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SATOSHI SUEYOSHI
(87) International Publication No	: NA	2)KENTARO TANAKA
(61) Patent of Addition to Application Number	:NA	3)YOSHIHIRO KUSAMA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
Filling Date	.INA	

#### (57) Abstract:

A handling robot includes a horizontal arm unit, a pair of leg units, and driving sources. The horizontal arm unit is configured to hold a conveyed object. The pair of leg units each include a first link and a second link. The first link includes a base end coupled to a first joint and is rotatable about a rotation axis of the first joint. The second link includes a base end coupled to a second joint disposed at a distal end of the first link and rotatable about a rotation axis of the second joint, and includes a distal end configured to support the horizontal arm unit rotatably about a rotation axis of the third joint. The driving sources are disposed in any of the joints. The driving sources are smaller in number than a total of the joints disposed in the pair of leg units.

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

(21) Application No.3509/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :05/08/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: DETACHING ROLLER APPARATUS IN A COMBING 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</li> </ul>	:2012- 177507	(71)Name of Applicant:  1)KABUSHIKI KAISHA TOYOTA JIDOSHOKKI Address of Applicant: 2-1, TOYODA-CHO, KARIYA-SHI, AICHI-KEN Japan (72)Name of Inventor: 1)MASAMI SHIMBARA
<ul><li>(61) Patent of Addition to Application Number</li><li>Filing Date</li><li>(62) Divisional to Application Number</li></ul>	:NA :NA :NA	
Filing Date	:NA	

## (57) Abstract:

A detaching roller apparatus in a combing machine includes a detaching roller and a plurality of electric motors. The detaching roller has a first end and a second end. The electric motors are connected to the detaching roller at positions adjacent to at least one of the first and second ends of the detaching roller for driving the detaching roller reversibly. The electric motors are synchronized.

No. of Pages: 21 No. of Claims: 4

(22) Date of filing of Application :07/11/2012 (43) Publication Date : 31/10/2014

# (54) Title of the invention: PROCESS FOR PURIFYING CRUDE TEREPHTHALIC ACID

(51) International classification	:C07C	(71)Name of Applicant:
(31) Priority Document No	:2011-	1)HITACHI PLANT TECHNOLOGIES, LTD.,
(31) I Hority Document No	252149	Address of Applicant :5-2, HIGASHI-LKEBUKURO 4-
(32) Priority Date	:18/11/2011	CHOME, TOSHIMA-KU, TOKYO Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)NORIAKI HARA
Filing Date	:NA	2)HIROYUKI TOYOSHIMA
(87) International Publication No	: NA	3)HATSUTARO YAMAZAKI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Effluent generated in the purification process is comprised of condensed water generated in a cooling step, scrubber treated effluent generated by washing the separated gas from the condensed water and discharged gas derived from the circulation and sealing gas for the solid-liquid separator, the dryer and the storage tanks of the aqueous mother liquor and the like, and washing effluent recovered in the solid-liquid separation. Terephthalic acid crystals are added to at least one kind of the effluent to prepare a suspension of slurry, from which separated crystals and separated water are recovered after a solid-liquid separation. The separated crystals may be reused as a part of a starting material in the crude terephthalic acid production, and the separated water may be reused as a part of the aqueous medium to dissolving crude terephthalic acid.

No. of Pages: 41 No. of Claims: 6

(21) Application No.5062/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :05/12/2012 (43) Publication Date : 31/10/2014

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

(31) Priority Document No  (32) Priority Date (33) Name of priority country (36) International Application No (87) International Publication No (81) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (63) Priority Document No (20) Priority Date (270662 (29) Priority Date (270662 (20) Patent of Application No (20) Patent of Addition to Application Number (27) Name of Inventor: (20) Patent of Addition to Application Number (27) Name of Inventor: (21) Patent of Addition to Application Number (27) Name of Inventor: (21) Patent of Addition to Application Number (27) Name of Inventor: (28) Name of Inventor: (29) Name of Inventor: (29) Name of Inventor: (29) Name of Inventor: (20) Name of Inventor: (21) Name of Inventor: (22)	<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>	270662 :09/12/2011 :Japan :NA :NA : NA : NA :NA :NA	Address of Applicant :2-1, KUROSAKI-SHIROISHI, YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806-0004 Japan (72)Name of Inventor:  1)HIROFUMI SHIMONO
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#### (57) Abstract:

To provide excellent waterproof property. To realize the object, a rotating electrical machine including a frame and a bracket is provided. The frame has an opening portion in a side wall thereof, has a substantially cylindrical shape, accommodates a rotor and a stator. The bracket is mounted on the frame, and rotatably supports a rotary shaft of the rotor. The bracket includes an outer peripheral wall that is provided in a standing manner at a side where the opening portion is disposed as seen from a direction of the rotary shaft. The bracket has a tapered surface at an outer peripheral surface, the tapered surface having a falling gradient toward an outer side in a radial direction.

No. of Pages: 35 No. of Claims: 7

(19) INDIA

(22) Date of filing of Application :18/12/2012 (43) Publication Date : 31/10/2014

(54) Title of the invention: AN ANALYZER

(51) International classification	:G06F	(71)Name of Applicant:
(31) Priority Document No	:20112-	1)SUMITOMO HEAVY INDUSTRIES, LTD.
(31) I Hority Document No	046390	Address of Applicant :1-1, OSAKI 2-CHOME, SHINGAWA-
(32) Priority Date	:02/12/2012	KU, TOKYO 141-6025 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)DAIJI ICHISHIMA
Filing Date	:NA	2)SHUJI MIYAZAKI
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.5290/CHE/2012 A

#### (57) Abstract:

An analyzer comprises a particle system acquisition unit operative to acquire information on a particle system defined in a virtual space; a magnetic moment association unit operative to associate a particle in the particle system with a magnetic moment; a numerical operation unit operative to perform numerical operation according to a governing equation that governs a motion of each particle in the particle system, the particle system including the particle which is associated with the magnetic moment by the magnetic moment association unit; and a magnetic field calculation unit operative to calculate a magnetic field created by the particle system using the results of the numerical operation performed by the numerical operation unit.

No. of Pages: 61 No. of Claims: 5

(21) Application No.5291/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :18/12/2012 (43) Publication Date : 31/10/2014

# (54) Title of the invention: ROBOT SYSTEM, ROBOT HAND, AND ROBOT SYSTEM OPERATING METHOD

(51) International classification	:H01L :2012-	(71)Name of Applicant: 1)KABUSHIKI KAISHA YASKAWA DENKI
(31) Priority Document No	061506	Address of Applicant :2-1, KUROSAKI-SHIROISHI,
(32) Priority Date	:19/03/2012	YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806-
(33) Name of priority country	:Japan	0004 Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KAORU KIMURA
(87) International Publication No	: NA	2)HIROMI MIZOGUCHI
(61) Patent of Addition to Application Number	:NA	3)YOSHIAKI YAMAMOTO
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A robot system (1) comprises a robot arm (12), a robot hand (13) provided to the robot arm (12), and a plurality of finger members (40) for holding a target object (W; 200), installed to the robot hand (13). The robot hand (13) comprises a hand main body portion (131) which is connected to the robot arm (12) and comprises an actuator, and a finger holding mechanism (132) which replaceably holds at least a pair of the finger members (40) is connected to the hand main body portion (131) and is driven by the actuator.

No. of Pages: 82 No. of Claims: 21

(22) Date of filing of Application :22/04/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: YARN MONITORING DEVICE AND YARN WINDING MACHINE

(51) International classification	:B65H	(71)Name of Applicant:
(31) Priority Document No	:2012-	1)MURATA MACHINERY, LTD.
(31) I Hority Document No	160031	Address of Applicant :3 MINAMI OCHIAI-CHO,
(32) Priority Date	:18/07/2012	KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8326
(33) Name of priority country	:Japan	Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SHUICHI FUKUHARA
(87) International Publication No	: NA	2)YOSHIFUTO SONE
(61) Patent of Addition to Application Number	:NA	3)KAZUHIKO NAKADE
Filing Date	:NA	4)KENJI KAWAMOTO
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A yarn monitoring device (34) includes a yarn irregularity sensor (37) and a yarn monitoring controller (81). The yarn irregularity sensor (37) monitors a yarn (21) that is being wound by an automatic winder (1). The yarn monitoring controller (81) performs a determination based on information acquired from the yarn irregularity sensor (37) and information pertaining to, for example, a traverse position of the yarn (21) acquired from the yarn detection sensor (71) of the automatic winder (1), and outputs a cutter operation signal based on the determination to operate a cutter (39). Furthermore, the yarn monitoring device (34) includes a yarn detection receiving section (83) to receive a yarn detection signal output by the yarn detection sensor (71).

No. of Pages: 43 No. of Claims: 7

(22) Date of filing of Application :05/07/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: METHODS AND SYSTEMS FOR INK-BASED DIGITAL PRINTING WITH MULTI-COMPONENT, MULTI-FUNCTIONAL FOUNTAIN SOLUTION

(51) International classification	:B41F31/00	(71)Name of Applicant:
(31) Priority Document No	:13/601,803	1)XEROX CORPORATION
(32) Priority Date	:31/08/2012	Address of Applicant :45 GLOVER AVENUE, P.O. BOX
(33) Name of priority country	:U.S.A.	4505, NORWALK, CONNECTICUT 06856-4505 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)LESTRANGE, JACK T.
(87) International Publication No	: NA	2)BADESHA, SANTOKH S.
(61) Patent of Addition to Application Number	:NA	3)KANUNGO, MANDAKINI
Filing Date	:NA	4)GERVASI, DAVID J.
(62) Divisional to Application Number	:NA	5)ORNATSKA, MARYNA
Filing Date	:NA	6)KELLY, MATTHEW M.

### (57) Abstract:

An Ink-based digital printing system comprises an external fluid applicator for applying multi-component, multi-functional fountain solution to a surface of an imaging plate. The plate is image wise exposed using a high power laser to remove primary components of the fountain solution from select regions of the plate according to digital image data, leaving a layer of the secondary components at said select regions. The plate is then inked with ink useful in printing. The ink adheres to the select regions from which the primary components have been removed to form an ink image. The ink image is transferred at an image transfer step wherein the secondary components enable efficient transfer of the ink to a medium with reduced image quality defects. The multi-component fountain solution comprises primary components that reject or repel ink, and secondary components that function as a release agent.

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

(22) Date of filing of Application :24/07/2013 (43) Publication Date : 31/10/2014

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

(51) International classification	:H01L31/00	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)HITACHI CHEMICAL COMPANY, LTD.
(31) Fliolity Document No	165821	Address of Applicant :9-2, MARUNOUCHI 1-CHOME,
(32) Priority Date	:26/07/2012	CHIYODA-KU, TOKYO 100-6606 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)HORIUCHI, TAKESHI
Filing Date	:NA	2)TAKEMURA, KENZOU
(87) International Publication No	: NA	3)ASAKAWA, YUSUKE
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

To accurately connect a TAB wire to intended positions while preventing an increase in manufacturing costs. A solar cell battery 100 includes finger electrodes 3. The finger electrodes 3 includes first finger electrodes and second finger electrodes that extend from opposite directions in a direction crossing the finger electrodes 3 to reach a TAB area SF to which a TAB wire 4 is connected.

No. of Pages: 38 No. of Claims: 13

(22) Date of filing of Application :29/07/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: ANALYZING APPARATUS VALIDATING SYSTEM AND PROGRAM FOR THE 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> </ul>	:Japan :NA :NA : NA :NA	(71)Name of Applicant:  1)SHIMADZU CORPORATION Address of Applicant:1,NISHINOKYO-KUWABARA-CHO, NAKAGYO-KU, KYOTO-SHI, KYOTO 6048511 Japan (72)Name of Inventor: 1)TSUJII, KANYA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

In validation of an analyzing apparatus, in the case where the system configuration is not standard or where a reference value required for the validation is different from a standard value, the validation work cannot be automatically performed, which requires time and effort. For a validation target analyzing apparatus system, first, a parameter acquiring unit acquires parameters for qualification implementation of the analyzing apparatus system on a basis of an electronically supplied qualification plan document and an electronically supplied qualification implementation procedure manual. Then, a validation executing unit executes validation of the analyzing apparatus system using the acquired parameters for qualification implementation.

No. of Pages: 18 No. of Claims: 3

(21) Application No.5430/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :26/12/2012 (43) Publication Date : 31/10/2014

# (54) Title of the invention: INJECTION MOLDING APPARATUS

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:B29C :2011- 288995 :28/12/2011 :Japan :NA :NA : NA :NA :NA	(71)Name of Applicant:  1)SUMITOMO HEAVY INDUSTRIES, LTD. Address of Applicant:1-1, OSAKI 2-CHOME, SHINGAWA-KU, TOKYO 141-6025 Japan (72)Name of Inventor: 1)NORITAKA OKADA
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## (57) Abstract:

An injection molding apparatus includes plural motors including a mold-opening/closing motor; a driving unit configured to drive the motors; a feeding path; a feeding unit configured to supply power via the feeding path to the driving unit; an electric storage; a detecting unit configured to detect a driving state of the mold-opening/closing motor; and a power transfer unit configured to control power transferred from the feeding path to the electric storage based on the detected driving state of the mold-opening/closing motor.

No. of Pages: 38 No. of Claims: 13

(22) Date of filing of Application :01/04/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: YARN MONITORING DEVICE, YARN WINDING UNIT, AND YARN WINDING MACHINE

(51) International classification	:d01h	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)MURATA MACHINERY, LTD.
•	163914	Address of Applicant :3 MINAMI OCHIAI-CHO,
(32) Priority Date		KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8326
(33) Name of priority country	:Japan	Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MASATOSHI NAKATANI
(87) International Publication No	: NA	2)KATSUSHI MINAMINO
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A clearer (15) includes a first CPU (110) and a second CPU (120). The first CPU (110) includes a quality determining section (111) that processes a signal pertaining to a running spun yarn (20), a first communication section (112) that is capable of communicating with a setting and monitoring device (130), and a switching section (114) that switches the second CPU (120) between a state of being capable of communicating with the setting and monitoring device (130) and a state of being incapable of communicating with the setting and monitoring device (130). The second CPU (120) includes a speed measuring section (121) that processes the signals relating to the running spun yarn (20) differently from the quality determining section (111), and a second communication section (122) that is capable of communicating with the setting and monitoring device (130).

No. of Pages: 39 No. of Claims: 9

(21) Application No.3404/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :30/07/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: SPORTS NETWORKING PLATFORM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:201205666- 9	(71)Name of Applicant:  1)PLAYFIKS SOFTWARES PRIVATE LTD.  Address of Applicant: 71 BUKIT BATOK CRESENT, # 10- 08 PRESTIGE CENTRE, SINGAPORE - 658 071 (72)Name of Inventor:  1)KRISHNAN, RADHAKRISHNAN RAJEEV
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#### (57) Abstract:

The present invention provides a sports networking platform. In one embodiment, a sports networking platform provides an online platform for sports enthusiasts to connect and communicate in a sports network space. The sports networking platform enables users having interest in a particular sport to create his profile in the sports networking space and further allows to share his profile information with other members of the sports networking space. Further, the sports networking platform enables members to create sports event associated with a sports type at a sports venue. The sports networking platform automatically identifies members of the sports networking space who are interested in playing a sports of the sports type and sends an invitation to the members who are currently located in proximity of the sports venue associated with the sports event.

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

(21) Application No.3850/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :29/08/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : METHOD FOR HYDROGENATING NITROAROMATIC SYSTEMS WITH SELECTED PLATINUM CATALYSTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:B01J23/00 :12006277.3 :06/09/2012 :EPO :NA :NA : NA	
<ul> <li>(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA	2)KHZEK, JOACHIM

## (57) Abstract:

A method is described for the catalytic hydrogenation of aromatic nitro compounds with hydrogen to the corresponding amines in the presence of a supported catalyst comprising platinum. The method is characterized in that the catalyst comprising platinum has been modified with a tungsten compound and with a phosphorus compound in an oxidation state of < 5. High yields and high selectivities are possible with the method.

No. of Pages: 18 No. of Claims: 17

(19) INDIA

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 31/10/2014

(54) Title of the invention: ROBOT

(54) 5	D4.57	
(51) International classification	:B25J	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)KABUSHIKI KAISHA YASKAWA DENKI
(- )	020239	Address of Applicant :2-1, KUROSAKI-SHIROISHI,
(32) Priority Date	:01/02/2012	YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806-
(33) Name of priority country	:Japan	0004 Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MASATOSHI FURUICHI
(87) International Publication No	: NA	2)OSAMU KOMIYAJI
(61) Patent of Addition to Application Number	:NA	3)MASAYUKI SUZUKI
Filing Date	:NA	4)HIROKI SANEMASA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(21) Application No.5350/CHE/2012 A

#### (57) Abstract:

A robot includes an arm having a base end portion rotatably installed through a joint part and a tip end portion in which an output shaft is installed; and a drive mechanism arranged within the arm and configured to drive the output shaft at a reduced speed. The drive mechanism includes a motor having a motor shaft, a driving pulley attached to the motor shaft, a driven pulley attached to the output shaft, at least one intermediate pulley provided between the driving pulley and the driven pulley, and a plurality of belts for operatively interconnecting the driving pulley and the driven pulley through the intermediate pulley.

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

(21) Application No.9643/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :03/12/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: QUANTIZATION IN VIDEO CODING

(51) International classification	:H04N7/26,H04N7/50	(71)Name of Applicant:
(31) Priority Document No	:61/501213	1)QUALCOMM INCORPORATED
(32) Priority Date	:25/06/2011	Address of Applicant :5775 Morehouse Drive ATTN:
(33) Name of priority country	:U.S.A.	International IP Administration San Diego CA 92121 1714 U.S.A.
(86) International Application No	:PCT/US2012/044031	(72)Name of Inventor:
Filing Date	:25/06/2012	1)JOSHI Rajan Laxman
(87) International Publication No	:WO 2013/003284	2)WANG Xianglin
(61) Patent of Addition to Application	:NA	3)VAN DER AUWERA Geert
Number	:NA	4)KARCZEWICZ Marta
Filing Date	,11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Aspects of this disclosure relate to methods for providing greater control over an amount of quantization for video coding. A first example includes determining a quantization parameter (QP) for coding residual video data where the QP is indexed to a quantizer step size; determining a quantization scaling value for scaling the quantizer step size and coding the residual video data using the scaled quantizer step size. A second example includes selecting between at least two QP granularities.

No. of Pages: 63 No. of Claims: 38

(22) Date of filing of Application :29/04/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : SYSTEM AND METHOD FOR COMMUNICATING ELECTRONIC APPLIANCE INFORMATION BETWEEN A PLURALITY OF ELECTRONIC APPLIANCES

<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>	:H04L29/00 :NA :NA :NA	(71)Name of Applicant:  1)LG ELECTRONICS INC.  Address of Applicant: 20 Yeouido-dong, Yeongdeungpo-gu, Seoul, Republic of Korea
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SAHEB ABDUL GAFFAR
(87) 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 disclosure relate to system and method for communicating electronic appliance information between a plurality of electronic appliances in real time over a communication network. In an embodiment, the present disclosure provides a social network of electronic appliances. The electronic appliances are provided with user interface to allow user of the electronic appliance to interact with other users using similar appliances connected over the communication network. The users can share their appliance information and experiences with regard to usage of the electronic appliance with connected users. In addition, the electronic appliance retrieves appliance information automatically from the appliance and posts on the communication network.

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

(21) Application No.6799/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :23/08/2013 (43) Publication Date: 31/10/2014

### (54) Title of the invention: METHOD AND ARRANGEMENT FOR BURNING LIME MUD

(51) International classification :C04B2/10,F27B7/20,F27D17/00 (71)Name of Applicant: (31) Priority Document No :20115198

(32) Priority Date :28/02/2011

(33) Name of priority country :Finland

(86) International Application :PCT/FI2012/050186 No

:23/02/2012 Filing Date

(87) International Publication No:WO 2012/117159

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

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

1)ANDRITZ OY

Address of Applicant: Tammasaarenkatu 1 FI 00180 Helsinki

Finland

(72) Name of Inventor:

1)VEHMAAN KREULA Juhani

# (57) Abstract:

The present invention relates to a method and an arrangement for burning lime mud into lime in a lime kiln. The lime mud flows counter currently to flue gases from a feed end to a firing end and the fuel used is flue gas that is produced by gasifying a fuel in the presence of combustion air in a gasifier. The combustion air for gasification is preheated with heat generated in lime mud combustion. The arrangement is provided with a conduit between the lime kiln and the gasifier for leading air from the lime kiln into the gasifier as combustion air. At least a portion of the combustion air for gasification is preheated with heat generated in the lime mud combustion so that air is led into cooling of lime obtained in the combustion and further into the kiln from or through the firing end of which air is taken into the gasification.

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

(22) Date of filing of Application :09/12/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : METHOD FOR VERIFYING THE AUTHENTICITY OF SECURITIES AND DEVICE FOR ITS REALIZATION

(51) International classification :G07D7/20 (71)Name of Applicant: (31) Priority Document No :a 2011 0043 1)VASILIEV Serghei (32) Priority Date Address of Applicant: Titulescu str. No. 1 ap. 157 Chisinau :12/05/2011 (33) Name of priority country MD 2002 Republic of Moldova :Republic of Moldova (86) International Application No :PCT/MD2012/000003 (72)Name of Inventor: Filing Date :11/05/2012 1)VASILIEV Serghei (87) International Publication No :WO 2012/154017 (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 methods and devices for verifying the authenticity of various securities and may be used for determining the authenticity of banknotes financial documents identity cards and other important documents. The method consists in that the security is transilluminated with a light flux passing from a light source to a receiver is registered the feature of paper is compared the registration result with the reference feature obtained during the control test and stored in a database of reference features the coincidence of signs confirming the authenticity of the security. As a protective element is used an image in the form of a projection on the receiver of patterns formed by its nearest 1 6 layers of fibers inside the texture of paper of the preselected control site the dimensions of which exceed the transverse dimensions of the paper fibers at least twice. It is carried out the identification of security with the ability to locate the control area defined by the coordinates and/or typographical feature the security is transilluminated with a light flux on the control area is registered the control area image with a resolution of at least 1200 pixels per inch. In the alternative embodiment of the device for realization of the method for verifying the authenticity of securities which is a mobile phone the light source and the receiver being aligned in different parts of the body the receiver is made in the form of a flat photosensor having a resolution of at least 1200 pixels per inch. In another alternative ambodiment the light source is located by the circuit of the photosensor at the same time the device is equipped with a means for security pressing to the photosensor reflecting the luminous flux emitted by the source on the photosensor. At the same time in both alternative embodiments of the device the protective layer of the photosensor is made in the form of a light guiding plate with photoconductive elements which transmit the luminous flux to the surface of the photosensitive layer. The result achieved at the realization of the present invention consists in providing the simplicity high reliability and validity of authentification of securities.

No. of Pages: 26 No. of Claims: 13

(22) Date of filing of Application :23/07/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : METHOD FOR THE COMPUTER -AIDED GENERATION OF AT LEAST ONE PART OF AN EXECUTABLE CONTROL PROGRAM

(51) 7	G0 (F1 <b>F</b> /00	(71)
(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:12183797.5	1)DSPACE DIGITAL SIGNAL PROCESSING AND
(32) Priority Date	:11/09/2012	CONTROL ENGINEERING GMBH
(33) Name of priority country	:EPO	Address of Applicant :RATHENAUSTR. 26, D-33102
(86) International Application No	:NA	PADERBORN Germany
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)FISCHER KARSTEN
(61) Patent of Addition to Application Number	:NA	2)PIETZSCH TORSTEN
Filing Date	:NA	3)MAIR MICHAEL
(62) Divisional to Application Number	:NA	4)TRAUTMANN WOLFGANG
Filing Date	:NA	

#### (57) Abstract:

A method for the computer-aided generation of at least one part of an executable control program (2), particularly a measuring, control, regulating, and/or calibration program, for controlling a control system (3) having at least one electronic processor unit (4) is described and presented, whereby the functionality of the control program (2) is described at least partially in at least one graphical model (S0) and the graphical model (S0) is divided in hierarchical levels into submodels (Si), whereby a submodel (S,) of a hierarchical level can be divided nested into submodels (Sj) of a lower hierarchical level, whereby values (x) for options (X) for the compiling of the graphical model (S0) to program code are preset and with consideration of the values (x) of the options (X), program code is generated computer-aided from the model (S0) and the program code is co-compiled to the executable control program (2). In the method, values for options for the compiling of the graphical model to program code and to the executable control program can be preset thereby granularly with the automatic avoidance of conflicting presettings of values for these options, in that values (Xj) for options (X) for the compiling of the graphical model (S0) for at least two nested submodels (Sj) of different hierarchical levels are preset, and the values (Xj) for the options (X) are taken into account during the computer-aided generation of program code for each submodel (Sj), whereby an option (X) of the submodel (Sj), said option not provided with a value (Xj), at the lower hierarchical level assumes the value (Xj) of the corresponding option (X) of the submodel (Sj) at the higher hierarchical level.

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

(21) Application No.3775/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :26/08/2013 (43) Publication Date : 31/10/2014

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

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:2012- 187367 :28/08/2012 :Japan :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)TOSHIBA MITSUBISHI-ELECTRIC INDUSTRIAL SYSTEMS CORPORATION  Address of Applicant:13-16, MITA 3-CHOME, MINATO- KU, TOKYO 108-0073 Japan (72)Name of Inventor:  1)XIE, JINXIA 2)OHMURA, NARISHIGE 3)YAGI, YOSHIAKI
Filing Date	:NA	

#### (57) Abstract:

The object of the present invention is to effectively cool the stator in a rotating electric machine. [MEANS FOR SOVING THE PROBLEM] The machine comprises: an annular rotor that surrounds a rotation shaft with a gap; a frame including a body section and an airway section and a heat exchanger in the airway section. Air flows from a first end portion of the stator through the gap and then flows toward a second end portion flows into the airway section from the second end portion side in the body section, and is cooled by the heat exchanger. The machine further comprises a baffle plate that is fixed to the rotation shaft as to be closer to the first end portion than a center of the rotation shaft. The baffle plate blocks part of the gap.

No. of Pages: 24 No. of Claims: 3

(21) Application No.3339/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :26/07/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention: YELLOW INK COMPOSITION FOR INKJET RECORDING, AND INKJET RECORDING METHOD AND INKJET RECORDED MATERIAL

(51) Intermedianal alexa (6 anti-	.C00D11/00	(71)N
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:2012-	1)RICOH COMPANY, LTD.
(-)	188322	Address of Applicant :3-6, NAKAMAGOME 1-CHOME,
(32) Priority Date	:29/08/2012	OHTA-KU, TOKYO, 143-8555 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)AKIHIKO MATSUYAMA
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 yellow ink composition includes a particulate pigment; a dispersant; a water-soluble solvent; and water, wherein the ink composition satisfies the following relationship: 0.02 < Y / X < 0.07-(1) wherein X represents a maximum absorbance of the ink composition at a wavelength of from 400 to 450 nm; and Y represents an absorbance thereof at a wavelength of 500 nm.

No. of Pages: 40 No. of Claims: 8

(22) Date of filing of Application :02/08/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : A DEVICE FOR SEPARATING INDIVIDUAL, TWO - DIMENSIONAL, FLEXIBLE OBJECTS FROM THE LOWER SIDE OF A 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 Number</li> </ul>	:B65H3/00 :1440/12 :22/08/2012 :Switzerland :NA :NA : NA	FF
(61) Patent of Addition to Application Number Filing Date		ZJDENZ MARC-ANDREAS
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a device (1) for separating individual, two-dimensional, flexible objects (2a, 2a) from the lower side of a stack (3) of such objects (2, 2a) and for conveying the separated objects (2, 2a) away from the stack (3). The device comprises a stack space (4) with a support region (5), and support means (7a, 7b 21) which support the stack (3) from below in the support region (5), wherein the support means comprise a support roller arrangement (7a, 7b, 57a) of a plurality of support rollers (8). The device further comprises at least one separating member (19) for separating the objects (2a) from the lower side of the stack (3) in the support region (5). The support roller arrangement (7a, 7b) is part of a roller guidance device (6) and is translatorily movable to and from between a support position (SP) and a release position (FP).

No. of Pages: 33 No. of Claims: 18

(22) Date of filing of Application :20/08/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: MOBILE-TERMINAL HOUSING STRUCTURE FOR SADDLE-RIDE TYPE VEHICLE

(31) Priority Document No :2012- 186738	(71)Name of Applicant: 1)HONDA MOTOR CO., LTD. Address of Applicant: 1-1, MINAMI-AOYOMA 2-CHOME, MINATO-KU, TOKYO, 107-8556 Japan (72)Name of Inventor: 1)ATSUCHI, MICHIO 2)YOKOUCHI, KOHEI 3)FUJITSU, SHUN
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#### (57) Abstract:

[Object] To provide a mobile-terminal housing structure for a saddle-ride type vehicle capable of reducing the influence of sunlight on a mobile-terminal housing part, while maintaining the ease of straddling a floor tunnel part at a good level. [Solving Means] A rear end position P3 of a bulging part 71 bulging from a front part cover 55 toward a seat 11 is set forward of a lowest height portion P1 of the upper surface of a floor tunnel part 65. Moreover, a window 81 which is provided in the upper surface of the bulging part 71 and through which a mobile terminal 75 is visible is provided in a region rearward of a front end position P4 of a handle 27 and forward of rear end positions of the handle 27 and the bulging part 71 and below an upper end position P5 of the handle 27.

No. of Pages: 52 No. of Claims: 8

(21) Application No.3674/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :20/08/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: PADDY FIELD WORK 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</li></ul>	:F16H3/00 :2012- 215238 :27/09/2012 :Japan :NA	(71)Name of Applicant: 1)KUBOTA CORPORATION Address of Applicant: 2-47, SHIKITSUHIGASHI 1-CHOME, NANIWA-KU, OSAKA-SHI, OSAKA 556-8601 Japan (72)Name of Inventor: 1)KOJIMA, SACHIYUKI
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:NA : NA :NA :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A paddy field work machine having an auxiliary gearshift transmission (40), a work implement gearshift transmission (60), a propelling device auxiliary gearshift transmission (50) is disclosed, with each being housed within a transmission case (35). The auxiliary gearshift transmission (40) is configured to change in speed of a driving force from a main change speed device (36) to one of a plurality of speeds. The work implement gearshift transmission (60) is configured to change in speed of the outputted work implement oriented force, outputted from the auxiliary gearshift transmission (40), to one of a plurality of speeds, and to output the force to the implement work section (4). The propelling device auxiliary gearshift transmission (50) is configured to change in speed of the propelling device oriented force, outputted from the auxiliary gearshift transmission (40), into one of a plurality of speeds, and to output the force to the propelling device (1, 2).

No. of Pages: 34 No. of Claims: 5

(22) Date of filing of Application :21/02/2013 (43) Publication Date : 31/10/2014

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

(51) International classification	:H02K	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)KABUSHIKI KAISHA YASKAWA DENKI
(31) Thority Document No	173065	Address of Applicant :2-1, KUROSAKI-SHIROISHI,
(32) Priority Date	:03/08/2012	YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806-
(33) Name of priority country	:Japan	0004 Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)TAKAAKI SHIBUYA
(87) International Publication No	: NA	2)MITSURU IWAKIRI
(61) Patent of Addition to Application Number	:NA	3)MANABU HARADA
Filing Date	:NA	4)JUN KOJIMA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Provided is a rotating electrical machine with high torque performance by enhancing the space factor of a coil while maintaining a constant insulation distance. A motor (1) includes a toric stator (4) and a rotor (3) located inside or outside the stator (4), and the stator (4) includes a plurality of teeth (10) radially extending from the central axis X thereof with equal gap and a plurality of coils (9) arranged in order and in layers by means of the winding wire being turned a plurality of times around the circumference of each plurality of teeth (10). The number of turns on each of two coils (9a and 9b) arranged on the circumference of the two adjacent teeth (10) is different.

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

12) FATENT AFFLICATION FUBLICATION

(43) Publication Date: 31/10/2014

(21) Application No.5499/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :28/12/2012

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(33) Name of priority country (86) International Application No Filing Date (87) International Publication No (88) International Publication No (89) International Publication No (80) Patent of Addition to Application Number Filing Date (80) Patent of Addition to Application Number Filing Date (81) Patent of Addition to Application Number Filing Date (81) Patent of Inventor:  1) MASATOSHI FURUICHI 2) SHINICHI KATSUDA	<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:Japan :NA :NA : NA : NA :NA	(72)Name of Inventor: 1)MASATOSHI FURUICHI
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### (57) Abstract:

A robot includes an arm unit having a base end portion rotatably installed through a joint part. The arm unit includes a housing and a specified member arranged within the housing. At least a portion of the housing is made of a transparent material.

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

(21) Application No.6222/CHENP/2013 A

(19) INDIA

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

(43) Publication Date: 31/10/2014

# (54) Title of the invention : METHODS AND COMPOSITIONS FOR HIGHLY SPECIFIC CAPTURE AND RELEASE OF BIOLOGICAL MATERIALS

(51) International :C12Q1/00,G01N33/553,G01N33/543

classification .C12Q1/00,G01N33/3.

(31) Priority Document No :61/439166 (32) Priority Date :03/02/2011 (33) Name of priority

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

(86) International PCT/US2012/023859
Application No

Filing Date :03/02/2012

(87) International :WO 2012/106658

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)NORTHEASTERN UNIVERSITY

Address of Applicant :360 Huntington Avenue 960 Renaissance Park Boston MA 02115 5000 U.S.A.

(72)Name of Inventor:1)MURTHY Shashi K.2)HATCH Adam

3)HANSMANN George

### (57) Abstract:

Disclosed herein are hydrogel compositions and methods of making hydrogel compositions. Furthermore methods of specifically capturing and releasing biological materials from a sample using the disclosed hydrogel compositions are disclosed including methods of utilizing the compositions in microfluidic devices.

No. of Pages: 51 No. of Claims: 26

(21) Application No.8675/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 10/10/2012 (43) Publication Date: 31/10/2014

# (54) Title of the invention: ELECTROMAGNETIC VIBRATION SUPPRESSION DEVICE AND ELECTROMAGNETIC VIBRATION SUPPRESSION CONTROL PROGRAM

(51) International classification :C23C2/20,B21B39/00,C23C2/06 (71)Name of Applicant:

(31) Priority Document No :2010-064841 (32) Priority Date :19/03/2010

(33) Name of priority country :Japan

(86) International Application :PCT/JP2011/056165

:16/03/2011 Filing Date

(87) International Publication :WO 2011/115153 A1 No

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

:NA Filing Date (62) Divisional to Application

:NA Number :NA Filing Date

1)SINFONIA TECHNOLOGY CO. LTD.

Address of Applicant: 1 30 Shiba daimon 1 chome Minato ku

Tokyo 1058564 Japan (72)Name of Inventor: 1)OHARA Hisanori

2)MATSUDA Kazuhisa

#### (57) Abstract:

Provided is an electromagnetic vibration suppression device that eliminates a special edge position detection sensor and can appropriately suppress the vibration of not only a steel plate traveling with a normal posture but also a steel plate traveling while meandering in a width direction. Also provided is an electromagnetic vibration suppression device that can appropriately suppress the vibration of a steel plate being curved in a thickness direction and traveling while meandering in a width direction. The electromagnetic vibration suppression device (1) has a plurality of pairs of electromagnets (2) (2A 2B) arranged in a width direction of a steel plate (Sa) traveling in a predetermined direction each pair being disposed facing each other in a thickness direction of the steel plate (Sa) and suppresses the vibration of the steel plate (Sa) traveling between the electromagnets (2A 2B) of each of the pairs of electromagnets (2) by a control unit (4) for controlling the current flowing through each of the electromagnets (2A 2B). The control unit (4) obtains an edge position (Sae) of the steel plate (Sa) by a calculation based on the input width dimension of the steel plate (Sa) and the meandering amount of the steel plate (Sa) input in real time or at predetermined intervals of time and separately controls according to the edge position (Sae) of the steel plate (Sa) the amounts of currents to be flowed through the respective electromagnets (2A 2B).

No. of Pages: 71 No. of Claims: 9

(22) Date of filing of Application :30/09/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: END-USER BASED BACKUP MANAGEMENT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:H02J7/00 :13/647654 :09/10/2012	(71)Name of Applicant:  1)GENERAL ELECTRIC COMPANY Address of Applicant: 1 RIVER ROAD, SCHENECTADY,
(33) Name of priority country	:U.S.A.	NEW YORK 12345 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)LOSEE, MARC KARL
(87) International Publication No	: NA	2)MEADOWS, VERNON
(61) Patent of Addition to Application Number	:NA	3)MASSEY, JERRY STEVEN
Filing Date	:NA	4)ARVIND, KAMAL KUMAR
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A device includes a network interface and a processor. The network interface is configured to receive one or more preferences of a customer related to the charging of at least one backup device of the consumer. The network interface is also configured to receive at least one notification of at least one predicted power disturbance. The processor is configured to utilize the one or more consumer preferences and the at least one notification to generate a charging schedule of the at least one backup device and to generate one or more charging notifications for charging the at least one backup device. The one or more charging notifications are based on the charging schedule.

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

(21) Application No.1920/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :30/04/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : A STEERING ASSEMBLY FOR MONITORING AND ALERTING A DRIVER BASED ON HIS/HER FATIGUE AND/OR BEHAVIOR

<ul> <li>(51) International classification</li> <li>(31) 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>	:G08B23/00 :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Indian Institute of Technology Madras Address of Applicant: Indian Institute of Technology Madras (IIT Madras), IIT PO, Chennai - 600036 Tamil Nadu India (72)Name of Inventor:  1)Venkatesh Balasubramanian
<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	

#### (57) Abstract:

A non-intrusive method (100) for determining and responding to fatigue and inattention of a driver is disclosed. The method includes providing at least one monitoring device (102) at a predetermined location to continuously generate at least one first signal based on a physiological feature of said driver. Further, providing a data acquisition system (104) to record and compare the magnitudes of the first signal with a standard signal indicative of the drivers degree of alertness. Furthermore, alerting the driver when the magnitude of the first signal exceeds that of the standard signal.

No. of Pages: 19 No. of Claims: 8

(22) Date of filing of Application :02/08/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: OPERATING PART STRUCTURE FOR SADDLE-RIDE TYPE VEHICLE

(71) I	E02D0/00	(71)N
(51) International classification	:F02D9/00	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)HONDA MOTOR CO., LTD.
(- )	176966	Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME,
(32) Priority Date	:09/08/2012	MINATO-KU, TOKYO, 107-8556 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)MAEDA, TADAMASA
Filing Date	:NA	2)MAEDA, TETSUAKI
(87) 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:

Assembly performance of a pair of cables and a slider to a throttle housing is improved. [Solving Means] An operating part structure includes a throttle 2 0 installed on a handle-pipe 10; a throttle cable 30 composed of a pair of cables 33 each having a core wire 31 and a cable outer 32 covering the core wire 31, wherein the core wire 31 of the cable 33 has one end portion 31b secured to the throttle 2 0 and the other end portion secured to the throttle valve, and the throttle cable 3 0 shifts the throttle valve in an opening or closing direction by the core wire 31 of any one of the pair of cables being pulled in response to an operating direction of the throttle 20; a throttle housing 40 having dually divided case half-bodies 41 and 42, wherein the case half-bodies 41 and 42 are joined together to hold a portion of the throttle 2 0 and one end portion of the throttle cable 3 0 and to secure the throttle housing 40 to the handle-pipe 10; and a slider 50 held by the throttle housing 40 and guiding a bending portion 31c of the core wire 31; wherein one end portions 32b of the pair of cable outers 32 and the slider 50 are configured so as to be able to be integrated with each other as an integrated object 70, and the integrated object 70 is held by the throttle housing 40.

No. of Pages: 45 No. of Claims: 8

(22) Date of filing of Application :27/08/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: AIR-CONDITIONING APPARATUS

#### (57) Abstract:

An object is to provide an air-conditioning apparatus that can prevent the occurrence of torsion and moment any screwing operation, and can also prevent condensation from forming in places where it cannot be collected. An air-conditioning apparatus includes a back housing hung on an installation plate secured in place; a front housing mounted on a front side of the back housing; an inverted V-shaped heat exchanger having a front portion of greater mass than a back portion thereof, the heat exchanger being housed in the front housing; a heat exchanger mounting plate attached to at least one side of the heat exchanger; and a protruding plate protruding from the back housing to be in contact with the inside of the heat exchanger mounting plate. The heat exchanger mounting plate has at least two first fitting portions, and the protruding plate has second fitting portions fitted into the respective first fitting portions or into which the respective first fitting portions are fitted when the heat exchanger is placed in the front housing.

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

(21) Application No.4275/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :23/09/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: TACTILE ARRAY SENSOR

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G06F3/00 :61705137 :24/09/2012	(71)Name of Applicant:  1)NAIDU KSHIRSAGAR C.J.  Address of Applicant: 438 BLOCK 3 CROSS 11 HMT
(33) Name of priority country	:U.S.A.	LAYOUT VIDYARANYAPURA, BANGALORE - 560 097
(86) International Application No	:NA	Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)NAIDU PRAKASH CRJ.
(61) Patent of Addition to Application Number	:NA	2)SRINIVASAN M
Filing Date	:NA	3)NAIDU KSHIRSAGAR CJ
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A capacitance based tactile array sensor is disclosed that provides for close resolution of sensing pixels by using insulated conductors as electrodes, and allows for eliminating the need for a joint or connection interface near periphery of the sensor array. Optional aspects of the invention include provision for allowing use of stretchable conductors, reduction of the burden of number of connections at one layer of conductors in the sensor, providing for differential sensing resolutions at different areas of sensing, and modularity in configuration allowing replacement of a defective sensor pixel in the array. The tactile array sensor may be integrated with surface of a robotic hands finger, palm, or any other surface of a device that requires multi-point sensing of external contacts. The capacitance information is processed for useful display or control of systems based on the contact feedback.

No. of Pages: 28 No. of Claims: 17

(21) Application No.4554/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :01/11/2012 (43) Publication Date : 31/10/2014

# (54) Title of the invention: SUBSTRATE POSITIONING DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:G07C :2012- 014089 :26/01/2012 :Japan :NA :NA :NA	(71)Name of Applicant:  1)KABUSHIKI KAISHA YASKAWA DENKI Address of Applicant:21-, KUROSAKI-SHIROISHI, YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806- 0004 Japan (72)Name of Inventor: 1)SHINICHI KATSUDA
(61) Patent of Addition to Application Number	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA :NA	
	.INA	

#### (57) Abstract:

A substrate positioning device includes: a supporting unit for supporting a substrate in place; a light emitting unit and a light receiving unit respectively arranged at major surface sides of the substrate to face each other; a light emission control unit configured to control a light emission quantity of the light emitting unit pursuant to a control value; and a detecting unit for detecting a light reception quantity received by the light receiving unit. The substrate positioning device further includes an adjusting unit for controlling the control value pursuant to the light reception quantity while the substrate is not supported by the supporting unit.

No. of Pages: 49 No. of Claims: 7

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

(43) Publication Date: 31/10/2014

(54) Title of the invention: DEVICE FOR SUPPLYING A LIQUID TO AN APPARATUS FOR JOINING TEXTILE THREADS OR YARNS BY MEANS OF COMPRESSED GAS AND LIQUID AND AN APPARATUS FOR JOINING TEXTILE THREADS OR YARNS BY MEANS OF COMPRESSED GAS AND LIQUID COMPRISING SUCH A DEVICE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:MI2012A 001182	(71)Name of Applicant:  1)MESDAN S.P.A.  Address of Applicant: VIA MASSERINO 6, LOCALITA RAFFA, 25080 PUEGNAGO DEL GARDA (BS) Italy
(33) Name of priority country	:Italy	(72)Name of Inventor:
(86) International Application No	:NA	1)PACE, GIUSEPPE
Filing Date	:NA	2)RAGNOLI, FABRIZIO
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A device (10) for supplying a liquid to an apparatus (11) for joining textile threads or yarns by means of compressed gas and liquid of the type comprising a mingling chamber (14), inside which the ends of a textile thread or varn to be joined can be inserted and at which a delivering duct (33) for delivering compressed gas and liquid comes out, and a compressed gas introducing valve (20) that is provided with an inlet and with at least one outlet (23) of said compressed gas, such a device being characterised in that it comprises a cylindrical body (26) internally hollow and which can be associated with the joining apparatus (11), a liquid supplying chamber (27) which is defined in the cylindrical body (26) and which is provided with an inlet (28) that can be associated with a liquid source, a collecting and mixing chamber (30) which is defined in the cylindrical body (26) and which is provided with an inlet mouth (31) of said compressed gas and with an outlet mouth (32) of compressed gas and liquid wherein the latter outlet mouth (32) can be associated with the delivering duct (33) for delivering compressed gas and liquid to the mingling chamber (14), a chamber (34) for supplying compressed gas which is defined in the cylindrical body (26) and which is provided with an inlet opening (35) of compressed gas which can be associated with the outlet (23) of the compressed gas introducing valve (20) and with an outlet opening (36) of the compressed gas supplied into it which is in fluid communication with the inlet mouth (31) of the collecting and mixing chamber (30), and a plunger (38) which is provided with a cavity (39) open towards the inside of the cylindrical body (26) for transferring a dose of liquid from the liquid supplying chamber (27) to the collecting and mixing chamber (30) and which is sealingly housed in the cylindrical body (26) in a manner axially mobile between a rest position and a working position of the device (10) itself upon control by action of the thrust exerted onto it by the compressed gas supplied into the compressed gas supplying chamber (34) from the compressed gas introducing valve (20), when the latter switches in order to supply the compressed gas in exit from the outlet (23).

No. of Pages: 33 No. of Claims: 16

(21) Application No.3344/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :26/07/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : SADDLE-RIDE TYPE VEHICLE

(31) Priority Document No :2012- 173204	(71)Name of Applicant: 1)HONDA MOTOR CO., LTD. Address of Applicant:1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, 17-8556 Japan (72)Name of Inventor: 1)TERADA, MITSURU 2)WAKABAYASHI, SHINICHI 3)ISOMURA, MAMORU 4)KUSANO, TAKUHEI 5)SUZUKI, TOSHIYA
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### (57) Abstract:

In a saddle-ride type vehicle, a hanger boss that extends rearward is formed integrally with a cylinder section of an internal combustion engine, a cylinder hanger that is coupled to the hanger boss and that suspends the cylinder section is attached to a reinforcing pipe that is positioned below a main frame, a fuel pump bracket is attached to the hanger boss, and a fuel pump is supported on the fuel pump bracket at a position behind the cylinder section and above a crankcase.

No. of Pages: 74 No. of Claims: 15

(21) Application No.2889/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :17/07/2012 (43) Publication Date : 31/10/2014

# (54) Title of the invention: DOFFING APPARATUS AND TEXTILE MACHINE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:B65H :2011-	(71)Name of Applicant:  1)MURATA MACHINERY, LTD.
(32) Priority Date	204704 :20/09/2011	Address of Applicant :3 MINAMI OCHIAI-CHO, KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8326
(33) Name of priority country	:Japan	Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)TAKUYA INOUE
(87) 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 doffing apparatus (6) includes a chuck (66) that supplies a winding tube (9) to a winding-tube support member (21) of a winding unit (2), a restricting lever(71) that comes into contact with a first-side end portion (9a) of the winding tube (9) to restrict a position of the first-side end portion (9a), and a pressing lever (72) that comes into contact with a second-side end portion (9b) of the winding tube (9) restricted by the restricting lever (71) and presses the second-side end portion (9b) against the restricting lever (71). The winding tube (9) held by the chuck (66) is positioned by the restricting lever(71) and the pressing lever (72).

No. of Pages: 38 No. of Claims: 5

(22) Date of filing of Application :11/07/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : METHOD AND DEVICE FOR DISTRIBUTING ELECTRICITY FLOWS AND ELECTRICAL SYSTEM COMPRISING SUCH A DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H02J3/00 :12 56903 :17/07/2012 :France :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)SCHNEIDER ELECTRIC INDUSTRIES SAS Address of Applicant: 35, RUE JOSEPH MONIER, F-92500 RUEIL MALMAISON France (72)Name of Inventor: 1)GUYON, CAROLINE 2)BEGUERY, PATRICK 3)LAMODUDI, MOHAMED YACINE
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#### (57) Abstract:

This method is suitable for distributing, during a given time period, electricity flows (E4, E8, E10, E10, E14, E14) in a system (2) comprising at least one production element and one consumption element of electricity from an electricity distribution network (14), a building (4), an electricity storage element (11) and a local electricity production source (8), and also comprises means (18) for measuring the state of charge of each storage element and electrical powers produced and consumed. This method comprises initialisation steps consisting of defining physical modelling parameters of the system (2), defining a model of the system, in the form of state representation using the physical parameters determined previously, defining optimisation parameters, predefining an optimisation problem, over the given time period, for the distribution of the electricity flows from the system using the model defined previously. This method further comprises iterative steps consisting, at successive updating times of the given time period, of measuring a state of charge of each storage element (11), and the electricity production and consumption powers, updating a preview of the behaviour of the production and consumption elements of the system (2) for another given time period, defining the formulation of the optimisation problem for the other time period, solving the problem using a solver, and applying electricity distribution controls in the system (2) using the solutions obtained, until the next iteration.

No. of Pages: 30 No. of Claims: 13

(21) Application No.3496/CHENP/2009 A

(19) INDIA

(22) Date of filing of Application :18/06/2009 (43) Publication Date : 31/10/2014

# (54) Title of the invention : GUIDEWAY TRANSPORTATION SYSTEM WITH INTEGRATED MAGNETIC LEVITATION SUSPENSION, STABILIZATION AND PROPULSION FUNCTIONS

(51) International classification	:B60L13/04	(71)Name of Applicant :
(31) Priority Document No	:60/870,880	1)ADVANCED MAGLEV SYSTEMS, LLC
(32) Priority Date	:20/12/2006	Address of Applicant :350 NORTH 19TH STREET, #662,
(33) Name of priority country	:U.S.A.	SHORELINE, WASHINGTON 98133-3856 U.S.A.
(86) International Application No	:PCT/US07/88369	(72)Name of Inventor:
Filing Date	:20/12/2007	1)WAMBLE, JOHN, LEE
(87) International Publication No	:WO	2)KROPF, JOHN
(87) International I utilication No	2008/079970	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Abstract:		

#### (57) Abstract:

A networked guide way transit system uses permanent magnet repulsion with induction-based repulsion within the networked guide way transport system, which can levitate passively with motion. Magnetic levitation technology is used to replace wheels as the primary means of vehicle suspension. The networked guide way transit system uses the permanent magnets to provide primary lift and uses electrodynamics repulsion to create centering forces at most operational speeds while integrating linear motor functions with the electrodynamics centering function. Further, the networked guide way transit system uses no moving parts in the guide ways, which enhances reliability in the guide ways.

No. of Pages: 32 No. of Claims: 26

(22) Date of filing of Application :22/08/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: ACCOMMODATION STRUCTURE FOR A SADDLE TYPE 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) Private of Addition to Application Numbers</li> </ul>	:2012- 187707 :28/08/2012 :Japan :NA :NA	(71)Name of Applicant:  1)HONDA MOTOR CO., LTD.  Address of Applicant: 1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, 107-8556 Japan (72)Name of Inventor:  1)ATSUCHI, MICHIO 2)ASAI, KOHEI
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

To provide an accommodation structure for a saddle type vehicle which can achieve improvement in visibility of an accommodation article accommodated in an accommodation section. [Solving Means] An accommodation structure for a motorcycle which includes, on a handlebar cover 26, a meter 61 disposed at a central portion in a vehicle widthwise direction and switches 71, 72 and 73 disposed at an end portion in the vehicle widthwise direction, is configured such that an openable and closable accommodation section 3 0 is provided between the meter 61 and the switches 71, 72 and 73 on the handlebar cover 26. The amount of movement of a line of sight to a smartphone 83 in the accommodation section 30 is suppressed as far as possible.

No. of Pages: 83 No. of Claims: 8

(21) Application No.3099/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :11/07/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : A COOKING UTENSIL FOR COOKING FOOD UNDER PRESSURE THAT HAS AN IMPROVED CONTROL DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:12 56841 :16/07/2012	(71)Name of Applicant: 1)SEB S.A. Address of Applicant: CHEMIN DU PETIT BOIS 69130 ECULLY France (72)Name of Inventor: 1)ANOTA DANIEL, JEAN, MARIE 2)CHAMEROY ERIC 3)BLANC HERVE, EUGENE, RENE
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#### (57) Abstract:

The invention provides a utensil for cooking food under pressure including at least: . a vessel and a lid (3); at least one locking member (10) mounted to move on the lid (3) between a locking position and an unlocking position; a control device (15) for controlling the movement of said at least one locking member (10), which control device includes an operating member (16) suitable for being actuated by a user in such a manner as to cause said at least one locking member to move; said utensil being characterized in that: said at least one locking member. (10) is mounted on the lid (3) in such a manner as to be urged by positioning resilient return means towards its locking position; and the operating member (16) is mounted to be drivingly linked to said at least one locking member (10) in a manner such that the action by the user on the operating member (16) causes the locking member (10) to move towards its unlocking position.

No. of Pages: 20 No. of Claims: 13

(21) Application No.392/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :30/01/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention: PARALLEL LINK ROBOT SYSTEM

(51) International classification	:B25J	(71)Name of Applicant :
(31) Priority Document No	:2012- 022026	1)KABUSHIKI KAISHA YASKAWA DENKI
(22) Briggitz Data	00_0	Address of Applicant :2-1, KUROSAKI-SHIROISHI, YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806-
(32) Priority Date	.03/02/2012	I ANATANISHI-KU, KITAK I USHU-SHI, FUKUUKA 800-
(33) Name of priority country	:Japan	0004 Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KAZUHIRO FUKUDOME
(87) International Publication No	: NA	2)NOBUHIKO MIHARA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A parallel link robot system includes a picking section from which a target object is picked, a placing section on which the target object picked from the picking section is placed, the placing section being arranged in a height position lower than the picking section, a parallel link robot including a plurality of parallel-connected link mechanism units and a holding unit attached to tip end portions of the link mechanism units, and a control unit for controlling an operation of the parallel link robot. The control unit is configured to execute a control for causing the parallel link robot to perform a picking operation by which the target object is held and picked from the picking section and a placing operation by which the target object picked by the picking operation is placed on the placing section.

No. of Pages: 32 No. of Claims: 13

(22) Date of filing of Application :09/07/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: REAR WHEEL SUSPENSION STRUCTURE OF MOTORCYCLE

(51) International classification	·B62K11/00	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)HONDA MOTOR CO., LTD.
(32) Priority Date	158162 ·13/07/2012	Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, 107-8556 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)EBINUMA, TAKATOSHI
Filing Date	:NA	2)HAYASHI, TSUNEMORI
(87) International Publication No	: NA	3)IKENAGA, TOSHIHIRO
(61) Patent of Addition to Application Number	:NA	4)OKADA, MEGUMU
Filing Date	:NA	5)OZEKI, SHINICHI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

To adjust rigidity in the vehicle width direction while suppressing the large reduction of torsional rigidity of a rear swing arm so that traveling feeling can be enhanced. [Means for Resolution] The rear swing arm 5 includes: a pair of left and right arm portions 20, 20; a cross member 21 which extends between the pair of left and right arm portions; and a pair of left and right gusset plates 22, 22 which connects a rear surface side of the cross member and an inner surface side of the arm portions 20, 20. The gusset plate 22 includes an upper plate portion 40 and a downwardly extending portion 41 which extends downwardly from an edge portion of the upper plate portion 40, and a notched portion 42 is formed in the downwardly extending portion 41 by cutting out the downwardly extending portion 41 in the direction from a lower end of the downwardly extending portion 41 toward an edge portion of the upper plate portion 40 whereby rigidity in the vehicle width direction is lowered while suppressing the large reduction of torsional rigidity.

No. of Pages: 54 No. of Claims: 5

(21) Application No.3520/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: LIGHT EMITTING DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:2012- 176846	(71)Name of Applicant:  1)NICHIA CORPORATION Address of Applicant: 491-100, OKA, KAMINAKA-CHO, ANAN-SHI, TOKUSHIMA 774-8601 Japan (72)Name of Inventor: 1)KAMADA, KAZUIRO
` '		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A light emitting device includes a substrate, a light emitting element, a first resin member and a second resin member. The substrate includes a base member, a plurality of wiring portions disposed on a surface of the base member, and a covering layer covering the wiring portions with an opening formed in a part of the covering layer. The light emitting element is arranged on the substrate in the opening of the covering layer and having an upper surface at a position higher than the covering layer. The first resin member is arranged at least in the opening of the covering layer and at periphery of the light emitting element. The second resin member seals the substrate and the light emitting element. The second resin member is disposed in contact with the first resin member.

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

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: USER-BASED MINI-GAME GENERATION AND DISTRIBUTION

<ul> <li>(51) International classification</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>	:G06F :61/694,718 :29/08/2012 :U.S.A. :NA	LLC Address of Applicant :2207 BRIDGEPOINTE PKWY, SAN MATEO, CALIFORNIA 94404 U.S.A.
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:NA : NA :NA :NA :NA	(72)Name of Inventor : 1)GARY M. ZALEWSKI
Filing Date	:NA	

### (57) Abstract:

A mini-game may be generated by recording game data during play of a video game on a computer game system, suspending play of the video game in response to a first input to the computer game system, rewinding the recorded game data to a start point in response to a second input to the computer game system, and uploading recorded game data representing a state of the video game at the start point to a remote mini-game distribution system. The mini-game data may be distributed to other game playing systems. It is emphasized that this abstract is provided to comply with the rules requiring an abstract that will allow a searcher or other reader to quickly ascertain the subject matter of the technical disclosure. This abstract is submitted with the understanding that it will not be used to interpret or limit the scope or meaning of the claims.

No. of Pages: 25 No. of Claims: 16

(21) Application No.3618/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :14/08/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: SECONDARY AIR SUPPLY SYSTEM AND METHOD THEREOF

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:B60K :101130099 :20/08/2012 :Taiwan :NA	Address of Applicant :184 KENG TZU KOU, SHANG KENG VILLAGE, HSIN FONG SHIANG, HSINCHU Taiwan (72)Name of Inventor:
Filing Date (87) International Publication No	:NA : NA	1)LIN CHI-CHIEN 2)LIN KUAN-HSU
(61) Patent of Addition to Application Number	:NA	3)HUANG CHIH-WEI
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

### (57) Abstract:

A secondary air supply system includes a catalyst temperature sensor and a vehicle status sensor for detecting and obtaining a catalyst temperature and vehicle status information, and an electronic control unit for determining whether or not the catalyst temperature is greater than a catalyst temperature threshold. In case the catalyst temperature is greater than the catalyst temperature threshold then the electronic control unit controls the driver to drive the electric air pump to a full-speed rotation. In case the catalyst temperature is not greater than the catalyst temperature threshold, then the electronic control unit corresponds the at least one piece of vehicle status information to a built-in information table so as to obtain a schedule speed, and controls the driver to drive the electric air pump at the schedule speed. Thereby, amount of secondary airflow can be real-time regulated according to variation of actual vehicle status so as to put the catalyst at an optimal working condition. Further, a method for supplying secondary air is also disclosed.

No. of Pages: 22 No. of Claims: 9

(19) INDIA

(22) Date of filing of Application :21/08/2013

(21) Application No.3698/CHE/2013 A

(43) Publication Date: 31/10/2014

# (54) Title of the invention: SHOCK ABSORBER

(51) International classification	:F16F9/00	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)SHOWA CORPORATION
(31) Thomas Bocument 140	247914	Address of Applicant :1-14-1, FUJIWARA-CHO, GYODA-
(32) Priority Date	:09/11/2012	SHI, SAITAMA 361-8506 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)TAKAHASHI HIDEAKI
Filing Date	:NA	2)SATOH KIMITOSHI
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An object of the present invention is to provide a shock absorber that enables a reduction in frictional force exerted on a seat pipe and an inner tube. A shock absorber includes an outer tube 30, an inner tube 51, and a seat pipe 41 which are formed of cylinders, respectively, and a bearing (bearings 8A and 8B) fixed to an inner peripheral surface 31 of the outer tube 30. The inner tube 51 and the outer tube 30 are movable in a direction along center axes 3 A of the cylinders of the inner tube 51 and the outer tube 30. Oil (fork oil 48) is enclosed inside the outer tube 30. A first end side of the cylinder of the seat pipe 41 is inserted into the inner tube 51 through a first-end opening 52 in the inner tube 51, and a second end of the cylinder of the seat pipe 41 is attached to a closed second-end cylinder bottom 39 of the outer tube 30 in such a manner that the seat pipe 41 is movable in a direction intersecting the center axis 3A of the cylinder of the outer tube 30.

No. of Pages: 23 No. of Claims: 4

(22) Date of filing of Application :26/08/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: INTERLOCKING BRAKE DEVICE FOR MOTORCYCLE

<ul> <li>(51) International classification</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>	:2012- 191044	(71)Name of Applicant:  1)HONDA MOTOR CO., LTD.  Address of Applicant:1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, 107-8556 Japan (72)Name of Inventor:  1)NAKAMURA, HIRONORI
Filing Date (87) International Publication No	:NA : NA	2)OKAZAKI, YASUNORI 3)IEDA, YOSHIHISA
<ul><li>(61) Patent of Addition to Application Number</li><li>Filing Date</li><li>(62) Divisional to Application Number</li></ul>	:NA :NA :NA	
Filing Date	:NA	

#### (57) Abstract:

To decrease a change in a length of free movement of an interlocking cable on a front wheel brake side generated by displacement of the interlocking cable brought about by the rotation f a handle. [Means for Resolution] An interlocking brake device for a motorcycle includes: a brake lever (61) which is mounted on one side of a handle (20) which is rotatably mounted on a head pipe (11) of a vehicle body (10); a brake pedal (30) which is arranged on the same side as the brake lever (61), and is rotatably supported on the vehicle body (10) by a shaft (33); an equalizer (40) which is connected to the brake pedal (30), and distributes an operating force of the brake pedal (30) to a front wheel brake and a rear wheel brake; and an interlocking cable (50) which transmits an operating force from the equalizer (40) to the front wheel brake, wherein the interlocking cable (50) is guided to the other side of the vehicle body (10) from the equalizer (40) and, thereafter, is routed around a front side of the head pipe (11) and is guided to a brake lever (61) side.

No. of Pages: 35 No. of Claims: 4

(22) Date of filing of Application :28/08/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: ROTATING ELECTRIC MACHINE AND CHECK 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</li> </ul>	:H02K9/00 :2012- 191079 :31/08/2012 :Japan :NA	(71)Name of Applicant:  1)TOSHIBA MITSUBISHI-ELECTRIC INDUSTRIAL SYSTEMS CORPORATION  Address of Applicant: 13-16, MITA 3-CHOME, MINATO- KU, TOKYO 108-0073 Japan (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number	:NA : NA :NA	1)KISHIZONO, KOHEI 2)UMEDA, DAN
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

A rotating electric machine has: a rotation shaft (12); a rotor (16); a stator (18); a stator frame (20) that houses the rotor (16) and the stator (18); an airway section (22) connected to the stator frame (20) and so formed that air flowing in from inside the stator frame (20) is cooled before flowing into the stator frame (20) again, with a through-hole (28) formed on a wall surface; a cooling pipe (24); a leakage detection unit (30) that detects the liquid flowing out of the through-hole (28); and a check valve (32) attached to the leakage detection unit (30), and so formed as to keep the liquid from flowing out from the airway section (22) when the pressure inside the airway section (22) is lower than the outside atmospheric pressure.

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

(21) Application No.3828/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :28/08/2013 (43) Publication Date: 31/10/2014

# (54) Title of the invention: CONNECTOR

(51) International classification	:F16L25/00	(71)Name of Applicant :
(31) Priority Document No	:13/601,167	1)VISTEON GLOBAL TECHNOLOGIES, INC.
(32) Priority Date	:31/08/2012	Address of Applicant :ONE VILLAGE CENTER DRIVE,
(33) Name of priority country	:U.S.A.	VAN BUREN TOWNSHIP, MICHIGAN 48111-5711 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KESLER, ERIC WILLIAM
(87) International Publication No	: NA	2)SHASKA, KASTRIOT
(61) Patent of Addition to Application Number	:NA	3)DAVIS, ANTHONY, JR.
Filing Date	:NA	4)TURNER, CHRISTOPHER
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A connector for a component fitting assembly of an air conditioning system includes a substantially planar plate having a recessed portion and a slot portion. The recessed portion and the slot portion are formed in the plate to define an opening for receiving a conduit therein. A method for coupling the conduit to the connector includes the step of urging at least the portion of the conduit through the slot portion and into the recessed portion of the plate, whereby the at least the portion of the conduit Is deformed to correspond with a configuration of the opening to militate against disengagement between the plate and the at least the portion of the conduit disposed in the opening of the plate.

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

(21) Application No.3829/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :28/08/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR PROVIDING WEBSITE NAVIGATION RECOMMENDATIONS

(51) International classification (31) Priority Document No	:G06F17/00 :13/673,917	(71)Name of Applicant: 1)PALO ALTO RESEARCH CENTER INCORPORATED
(32) Priority Date	:09/11/2012	
(33) Name of priority country	:U.S.A.	ALTO, CA 94304 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KRISTIAN LYNGBAEK
(87) International Publication No	: NA	2)LESTER D NELSON
(61) Patent of Addition to Application Number	:NA	3)ERIC A BIER
Filing Date	:NA	4)MARGARET H SZYMANSKI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A system and method for providing Website navigation recommendations is provided. A Web page of interest is identified as a destination Web page. A domain of Web pages related to the destination Web page is determined. Information is extracted from each Web page in the domain and a recommendation comprising instructions for navigating to the destination Web page is generated based on the extracted information.

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

(21) Application No.3735/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :23/08/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: REAR STRUCTURE OF MOTORCYCLE

(51) International classification	:B60Q1/00	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)HONDA MOTOR CO., LTD.
(31) I Hority Document No	190488	Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME,
(32) Priority Date	:30/08/2012	MINATO-KU, TOKYO, 107-8556 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)NAKABAYASHI, SHUNICHI
Filing Date	:NA	2)KHANKHWA, WITSARUT
(87) International Publication No	: NA	3)KASETWETIN, TAWATCHAI
(61) Patent of Addition to Application Number	:NA	4)AEKA, NATNAREN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

[Problem] The present invention aims to provide a motorcycle which can further increase the maintainability of a winker bulb. [Means for Solving Problem] A rear combination light unit 40 covering the rear direction of the rear end portion of a vehicle body and having winker light portions 42 disposed in right and left sides in the width direction of the vehicle is provided on the rear portion of a motorcycle. The winker light portion 42 has a winker bulb 52, and also has a winker bulb supporting portion 133 supporting the winker bulb 52. A rear center lower cover 44 covers the lower direction of the winker light portion 42. The rear center lower cover 44 which is used for the maintenance of the winker bulb 52 is openably and closably provided on a bottom portion of the rear combination light unit 40.

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

(22) Date of filing of Application :23/08/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: COOLING CIRCUIT WITH A SUFFICIENTLY ACCURATELY MEASURED EXCHANGER

(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	:h05k :202012008739.8 :12/09/2012 :Germany :NA :NA :NA :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)HABERT, MATHIEU 2)APELDOORN, OSCAR 3)GRADINGER, THOMAS
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#### (57) Abstract:

A power electronics module (1) comprising a first power electronics element (5) that generates a first heat flow (29) during operation of the power electronics module (1), and comprising a second power electronics element (6) that generates a second heat flow (30) during operation of the power electronics module (1), and comprising a secondary cooling circuit (25), a first cooler (10), a second cooler (11) and a heat exchanger (14). The first cooler (10) is in thermal contact with the first power electronics element (5) for the purpose of receiving at least part of the first heat flow (29), wherein the second cooler (11) is in thermal contact with the second power electronics element (6) for the purpose of receiving at least part of the second heat flow (30), wherein the heat exchanger (14) is embodied for the purpose of transmitting at least part of the first heat flow (29) and of the second heat flow (30) to a primary cooling flow (26) during the operation of the power electronics module (1). The heat exchanger (14) is embodied in a thermally efficient manner for a heat flow that can be transferred, the magnitude of which heat flow is less than a total magnitude that is formed from the maximum first heat flow (29) and the maximum second heat flow (30).

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

(22) Date of filing of Application :26/07/2013 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: LINE ROUTING FOR TRUCKS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:Germany :NA :NA : NA	(71)Name of Applicant:  1)MAN TRUCK & BUS AG Address of Applicant: DACHAUER STR. 667, 80995  MUNCHEN Germany (72)Name of Inventor:  1)ARTMAIER, WOLFGANG 2)RESCH, FRANZ 3)LTTLINGER, REINHARD
Č	*	
(61) Patent of Addition to Application Number	: NA :NA	5)LITLINGER, REINHARD
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention concerns an arrangement (1) for a truck licensed for road traffic with a permitted maximum speed of over 60 km/h, preferably with a frame structure comprising two longitudinal support elements (2). The arrangement (1) comprises an axle body (4) having an axle (3), at least one wheel part (5A, 5B) which is mobile relative to the axle body (4) to allow a steering movement of the truck, and at least one line (10) which leads to the wheel part (5A, 5B) and comprises several line segments, wherein one line segment (10A) is arranged on the wheel part (5A, 5B) and is fixed in relation to the wheel part. The arrangement (1) is distinguished in particular in that a line segment (10B) is arranged on the axle body (4) and is fixed in relation to the axle. Alternatively or additionally the arrangement (1) is distinguished in particular in that the line (10) has two flexible line segments (10C, 10E) physically separated from each other, of which a line segment (10C) flexible in relation to the wheel part compensates for a relative movement caused by a steering movement (DB), and a line segment (10E) flexible in relation to the axle compensates for a relative movement caused by a spring movement (FB).

No. of Pages: 18 No. of Claims: 17

(22) Date of filing of Application :27/09/2012 (43) Publication Date : 31/10/2014

# (54) Title of the invention: OPTICAL ENTIRE-CIRCUMFERENCE ENCODER AND MOTOR SYSTEM

(51) International classification	:G11B	(71)Name of Applicant :
(31) Priority Document No	:2011/221409	
(32) Priority Date	:05/10/2011	Address of Applicant :2-1, KUROSAKI-SHIROISHI,
(33) Name of priority country	:Japan	YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806-
(86) International Application No	:NA	0004 Japan
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)JIRO MURAOKA
(61) Patent of Addition to Application Number	:NA	2)SADATOSHI INOUE
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An optical entire-circumference encoder includes a substrate. A light source is disposed on a rotation axis and a first surface of the substrate. A disc, rotatable about the rotation axis, is disposed on a second surface of the substrate. The disc includes first and second rotation tracks each including rotating slits. A light guiding unit radially guides light from the light source toward an entire outer circumference of the disc to the first and second rotation tracks. The light guiding unit includes a first light guiding section and second light guiding sections. The first light guiding section includes a ring-shaped surface directly or indirectly opposed to a rotation track. The first light guiding section radially guides the light out from the ring-shaped surface toward the first rotation track. The second light guiding sections guide part of the radially guided light to the second rotation track.

No. of Pages: 56 No. of Claims: 7

(21) Application No.1763/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :22/04/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: YARN MONITORING DEVICE AND YARN WINDING UNIT

(51) International classification	:B65H	(71)Name of Applicant :
` '	:2012-	1)MURATA MACHINERY, LTD.
(31) Priority Document No	167240	Address of Applicant :3 MINAMI OCHIAI-CHO,
(32) Priority Date	:27/07/2012	KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8326
(33) Name of priority country	:Japan	Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KATSUSHI MINAMINO
(87) International Publication No	: NA	2)KAZUHIKO NAKADE
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A yarn monitoring device (5) includes a first sensor (51) that detects a thickness of a running yarn (Y), a second sensor (52) that detects a fiber volume of the running yarn, and a yarn quality assessing section (57) that assesses a yarn quality of the running yarn based on a thickness detection value obtained by the first sensor (51) and a fiber volume detection value obtained by the second sensor (52).

No. of Pages: 44 No. of Claims: 13

(21) Application No.3007/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :05/07/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: JAM REDUCTION

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:B65G :13/551,351	
(32) Priority Date	:17/07/2012	11
(33) Name of priority country	:U.S.A.	BUILDING 700, 2ND FLOOR, LAW DEPARTMENT,
(86) International Application No	:NA	DULUTH, GEORGIA 30096 U.S.A.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)ANTHONY BOON
(61) Patent of Addition to Application Number	:NA	2)FRANK B. DUNN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method and apparatus are disclosed for transporting at least one item of media. The apparatus includes at least one guide member providing a first guide surface that guides at least one item of media as the item is transported, at least one elongate slit in the guide surface and at least one belt member each extending along a respective slit and comprising a first belt portion that extends outwardly from the slit beyond the guide surface and a further belt portion that undercuts a region of the guide surface.

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

(21) Application No.3154/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :15/07/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: POSITION DETECTION DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:2012- 204161	(71)Name of Applicant:  1)DENSO CORPORATION Address of Applicant: 1-1, SHOWA-CHO, KARIYA-CITY, AICHI-PREF. 448-8661 Japan (72)Name of Inventor: 1)TOMOYUKI TAKIGUCHI 2)TAKEHITO MIZUNUMA 3)YOSHIYUKI KONO
(61) Patent of Addition to Application Number	:NA	
(62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

A position detection device includes a first component (10) provided by molding of a first mold resin (13) with a first hall IC (11), a second component (20) provided by molding of a second mold resin (23) with a second hall IC (21), a terminal (40) connected to a first wiring (12) of the first component (10) and to a second wiring (12) of the second component (20), and a third mold resin (30) molded to hold and protect the first component (10), the second component (20) and the terminal (40). The third mold resin (30) fixing the first component (10) and the second component (20) to each other. Accordingly, the position detection device can be provided, which includes a component usable commonly for a variety of position detection devices which are different in the number of hall ICs.

No. of Pages: 28 No. of Claims: 12

(21) Application No.3761/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :26/08/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : LATCHING DEVICE FOR LOCKING AND UNLOCKING A TILTABEL CAB FOR A COMMERCIAL VEHICLE

(51) Intermediated all and Greation	.D.(2D22/00	(71) Ni
(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:10 2012	1)MAN TRUCK & BUS AG
(31) I Hority Document No	017 385.7	Address of Applicant :DACHAUER STR. 667, 80995
(32) Priority Date	:01/09/2012	MUNCHEN Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)SCHONEGGER-FOSLEITNER, ERICH
Filing Date	:NA	2)EXNER, MARKUS
(87) International Publication No	: NA	3)OSWALD, HERMANN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a latching device (100) for locking and unlocking a tiltable cab (K) for a commercial vehicle having a chassis structure (F). The latching device (100) comprises a shaft (1) which extends preferably substantially transversely to the travel direction of the commercial vehicle. In addition, the latching device (100) includes a lever arrangement (26) which is used to actuate the shaft (1), preferably to rotate and axially displace the shaft (1). The latching device (100) is distinguished in particular by the fact that the cab (K) can be moved to a tilted-down state and to a tilted-up state, and in addition can be locked and/or unlocked in the tilted-down state, only by actuating the lever arrangement (26).

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

(21) Application No.3847/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :29/08/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: WORKING VEHICLE

#### (57) Abstract:

A working vehicle includes a traveling machine assembly, a drive unit, a bonnet configured to cover the drive unit, and a cover provided below the bonnet and configured to be removably attached to the traveling machine assembly, including a main body portion extending in a longitudinal direction of the traveling machine assembly, a first male engagement portion provided at a front end portion of the main body portion, a second male engagement portion provided at a rear end portion of the main body portion, and a third male engagement portion provided at a lower end portion of the main body portion.

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

(22) Date of filing of Application :29/08/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: COMPOSITION FOR AEROSOL FOR CONTROLLING FLYING-INSECT PEST

<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>	:2012- 201285	(71)Name of Applicant:  1)SUMITOMO CHEMICAL COMPANY, LIMITED Address of Applicant: 27-1, SHINKAWA 2-CHOME, CHUO-KU, TOKYO 104-8260 Japan (72)Name of Inventor:
(86) International Application No	:NA	1)YAMADA, MASAHIRO
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	
the state of the s		

#### (57) Abstract:

The present invention relates to a composition for an aerosol for controlling a flying-insect pest exhibiting an excellent controlling effect on a flying-insect pest, more specifically a composition for an aerosol for controlling a flying-insect pest, comprising a) at least one pyrethroid compound of formula (1): wherein Ra represents a hydrogen atom, a halogen atom or a methyl group, Rb represents a halogen atom, a methyl group, a trifluoromethyl group or a cyano group, and Rc represents a hydrogen atom, a methyl group, a propargyl group or a methoxymethyl group; b) a monoalcohol compound of formula (2): HO-X (2) wherein X represents an alkyl group having 2 to 4 carbon atoms; c) a hydrophobic organic solvent; and d) a propellant.

No. of Pages: 30 No. of Claims: 6

(22) Date of filing of Application :29/08/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: REACTOR AND PROCESS FOR ENDOTHERMIC GAS PHASE REACTION IN A REACTOR

(51) International classification	:B01J19/00	(71)Name of Applicant :
(31) Priority Document No	:10 2012	1)WACKER CHEMIE AG
(31) Thomas Bocument 110	218 941.6	Address of Applicant :HANNS-SEIDEL-PLATZ 4, D-81737
(32) Priority Date	:17/10/2012	MUNCHEN Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)HIRSCHMANN, ANDREAS
Filing Date	:NA	2)HACKL, WALTER
(87) International Publication No	: NA	3)PATZOLD, UWE
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) A1		1

#### (57) Abstract:

The invention provides a process for endothermic gas phase reaction in a reactor, in which reactant gases are introduced into the reactor via a gas inlet apparatus and distributed homogeneously into a heating zone by means of a gas distribution apparatus, wherein the reactant gases are heated in the heating zone to a mean temperature of 500-1500°C by means of heating elements and then conducted into a reaction zone, the reactant gases reacting in the reaction zone to give a product gas which is conducted out of the reactor via a gas outlet apparatus. Further subject matter of the invention relates to a process for endothermic gas phase reaction in a reactor, wherein the heating of the heating elements is controlled by temperature measurements in the reaction zone, at least two temperature sensors being present in the reaction zone for this purpose, and reactor for performance of the process.

No. of Pages: 24 No. of Claims: 8

(22) Date of filing of Application :09/07/2014

(43) Publication Date: 31/10/2014

### (54) Title of the invention: RADIO IC DEVICE AND COMPONENT FOR RADIO IC DEVICE

:WO/2009/005080

(51) International classification :G06K19/07 (31) Priority Document No :2007-176360 (32) Priority Date :04/07/2007 (33) Name of priority country :Japan

(86) International Application No Filing Date :02/07/2008

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

(87) International Publication No

(62) Divisional to Application Number :834/KOLNP/2009 Filed on :04/03/2009

(71)Name of Applicant:

1)MURATA MANUFACTURING CO., LTD.

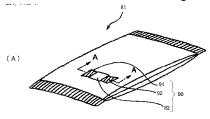
Address of Applicant: 10-1, HIGASHIKOTARI 1-CHOME.

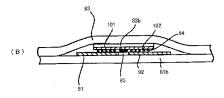
NAGAOKAKYO-SHI, KYOTO 6178555 JAPAN

:PCT/JP2008/061953 (72)Name of Inventor : 1)KATO NOBORU 2)IKEMOTO NOBUO

#### (57) Abstract:

An apparatus comprising an article (70 - 73) and a wireless IC device, the apparatus comprising: a high-frequency device, which is a) an electromagnetic coupling module (1) being formed of a wireless IC chip and a power supply circuit substrate (4) that is electrically connected or electromagnetically coupled to the wireless IC chip, or b) a wireless IC chip (5); a radiation electrode (8), which is a portion of the article (70 - 73) and operates as a radiator, wherein a shape of the radiation electrode is independent on a frequency used by the high-frequency device, wherein the high-frequency device is mounted to the article (70 - 73); and a loop electrode (7), wherein the radiation electrode (8) is coupled to the high-frequency device by means of the loop electrode (7), wherein the radiation electrode (8) includes a conductive portion having a cutout portion (61, 62, 66), wherein the loop electrode (7) is formed in the cutout portion (61, 62) or wherein a portion of the radiation electrode (8) extending along the inner peripheral edge of the cutout portion (66) operates as the loop electrode, and comprising one of features c) and d): c) a matching circuit (67) between a mounting portion of the high-frequency device and the loop electrode (7), wherein the matching circuit (67) directly electrically connects the high-frequency device with the loop electrode (7), d) the high-frequency device is the electromagnetic coupling module (1) and further comprises a resonant circuit and/or a matching circuit provided in the power supply circuit substrate (4).





No. of Pages: 83 No. of Claims: 11

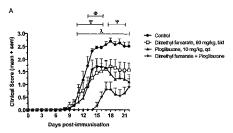
(22) Date of filing of Application :17/07/2014 (43) Publication Date : 31/10/2014

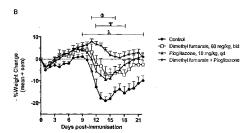
# (54) Title of the invention : PHARMACEUTICAL COMPOSITIONS COMPRISING GLITAZONES AND AND NRF2 ACTIVATORS.

(51) International classification	:A61K31/05	(71)Name of Applicant:
(31) Priority Document No	:11194292.6	1)ARES TRADING S.A.
(32) Priority Date	:19/12/2011	Address of Applicant :ZONE INDUSTRIELLE DE
(22) Name of missites asserting	:EUROPEAN	I'OURIETTAZ CH-1170AUBONNE, SWITZERLAND
(33) Name of priority country	UNION	(72)Name of Inventor:
(86) International Application No	:PCT/EP2012/074915	1)BJOERN COLIN KAHRS
Filing Date	:10/12/2012	
(87) International Publication No	:WO 2013/092269	
(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 pharmaceutical compositions comprising PPAR agonists and Nrf2 activators and methods of using combinations of PPAR agonists and Nrf2 activators for treating diseases such as psoriasis, asthma, multiple sclerosis, inflammatory bowel disease, and arthritis.





No. of Pages: 120 No. of Claims: 28

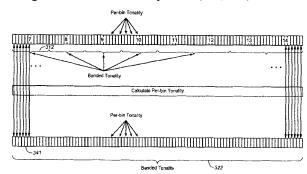
(22) Date of filing of Application :17/07/2014 (43) Publication Date : 31/10/2014

# (54) Title of the invention : METHODS AND SYSTEMS FOR EFFICIENT RECOVERY OF HIGH FREQUENCY AUDIO CONTENT.

(51) International classification	:G10L 21/0388	(71)Name of Applicant :
(31) Priority Document No	:12156631.9	1)DOLBY INTERNATIONAL AB
(32) Priority Date	:23/02/2012	Address of Applicant :APOLLO BUILDING,3E
(22) Name of priority country	:EUROPEAN	HERIKERBERGWEG 1-35 NL-1101 CN AMSTERDAM
(33) Name of priority country	UNION	ZUIDOOST THE NETHERLANDS
(86) International Application No	:PCT/EP2013/053609	(72)Name of Inventor:
Filing Date	:22/02/2013	1)THESING, ROBIN
(87) International Publication No	:WO 2013/124445	2)SCHUG, MICHAEL
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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#### (57) Abstract:

The present document relates to the technical field of audio coding, decoding and processing. It specifically relates to methods of recovering high frequency content of an audio signal from low frequency content of the same audio signal in an efficient manner. A method for determining a first banded tonality value (311, 312) for a first frequency subband (205) of an audio signal is described. The first banded tonality value (311, 312) is used for approximating a high frequency component of the audio signal based on a low frequency component of the audio signal. The method comprises determining a set of transform coefficients in a corresponding set of frequency bins based on a block of samples of the audio signal; determining a set of bin tonality values (341) for the set of frequency bins using the set of transform coefficients, respectively and combining a first subset of two or more of the set of bin tonality values (341) for two or more corresponding adjacent frequency bins of the set of frequency bins lying within the first frequency subband, thereby yielding the first banded tonality value (311, 312) for the first frequency subband.



No. of Pages: 64 No. of Claims: 32

(22) Date of filing of Application :28/07/2014 (43) Publication Date : 31/10/2014

# (54) Title of the invention : SUBSTITUTED BENZALDEHYDE COMPOUNDS AND METHODS FOR THEIR USE IN INCREASING TISSUE OXYGENATION

(71)Name of Applicant: 1)GLOBAL BLOOD THERAPEUTICS, INC. (51) International classification :A01N35/00,A61K31/11 Address of Applicant: 29 NEWBURY STREET, BOSTON, (31) Priority Document No :61/581,053 MASSACHUSETTS 02116 U.S.A. (32) Priority Date :28/12/2011 2) CYTOKINETICS, INC. (33) Name of priority country :U.S.A. 3)THE REGENTS OF THE UNIVERSITY OF (86) International Application No :PCT/US2012/072177 **CALIFORNIA** Filing Date :28/12/2012 (72)Name of Inventor: (87) International Publication No :WO 2013/102142 1)METCALF, BRIAN (61) Patent of Addition to Application :NA 2)CHUANG, CHIHYUAN Number 3)WARRINGTON, JEFFREY :NA Filing Date 4)PAULVANNAN, KUMAR (62) Divisional to Application Number :NA 5)JACOBSON, MATTHEW P. Filing Date :NA 6)HUA, LAN 7)MORGAN, BRADLEY

#### (57) Abstract:

Provided are substituted benzaldehydes and derivatives thereof that act as allosteric modulators of hemoglobin, methods and intermediates for their preparation, pharmaceutical compositions comprising the modulators, and methods for their use in treating disorders mediate by hemoglobin and disorders that would benefit from increased tissue oxygenation.

No. of Pages: 112 No. of Claims: 17

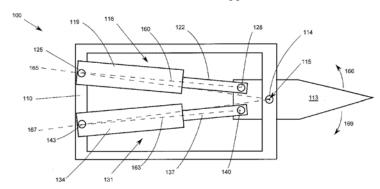
(22) Date of filing of Application :28/07/2014 (43) Publication Date : 31/10/2014

# (54) Title of the invention: ROTARY ACTUATOR

(51) International classification	:F15B 15/06	(71)Name of Applicant:
(31) Priority Document No	:61/597,141	1)MOOG INC.,
(32) Priority Date	:09/02/2012	Address of Applicant :SENECA AND JAMINSON ROAD,
(33) Name of priority country	:U.S.A.	EAST AURORA, NEW YORK 14052, U.S.A.
(86) International Application No	:PCT/US2013/025459	(72)Name of Inventor:
Filing Date	:09/02/2013	1)KOPP, JOHN
(87) International Publication No	:WO 2013/120036	2)BURNS, ERIC, D.
(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 rotary actuator (100) having a reference structure (110), an output member (113) arranged for rotary movement relative to the reference structure, a first linear motor (116) arranged to selectively apply an output force urging a first motor member (119) and a second motor member (122) apart along a generally linear direction, in which the first linear motor is configured and arranged to cause a torque between the output member and the reference structure in a first direction, and second linear motor (137) arranged to selectively apply an output force urging a second linear motor first member (134) and a second motor member (137) apart along a generally linear direction, in which the second linear motor is configured and arranged to cause a torque between the output member and the reference structure in a direction opposite to the first direction.



No. of Pages: 44 No. of Claims: 56

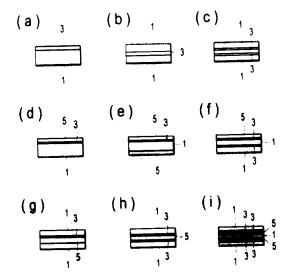
(22) Date of filing of Application :18/05/2012 (43) Publication Date : 31/10/2014

# (54) Title of the invention: CURRENT COLLECTOR FOR BIPOLAR SECONDARY BATTERY

(51) International classification	:H01M4/66	(71)Name of Applicant:
(31) Priority Document No	:2009-265181	1)NISSAN MOTOR CO., LTD.
(32) Priority Date	:20/11/2009	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/JP2010/069610	(72)Name of Inventor:
Filing Date	:04/11/2010	1)TAKASHI, HONDA
(87) International Publication No	:WO 2011/062065	
(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 bipolar secondary battery (10) current collector (11) is a bipolar secondary battery (10) current collector (11) having electrical conductivity. The current collector has an expansion section that expands in a thickness direction of the current collector (11) at a temperature equal to or higher than a prescribed temperature.



No. of Pages: 51 No. of Claims: 17

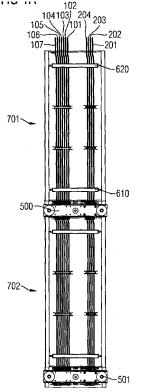
(22) Date of filing of Application :30/07/2014 (43) Publication Date : 31/10/2014

# (54) Title of the invention: BUSBAR SYSTEM ESPECIALLY FOR LONG VERTICAL PATHS

(51) International classification	:H02G 5/02,H02G 5/06	(71)Name of Applicant : 1)SIEMENS AKTIENGESELLSCHAFT
(31) Priority Document No	:102012202435.2	Address of Applicant :WITTELSBACHERPLATZ 2, 80333
(32) Priority Date	:17/02/2012	MÜNCHEN GERMANY
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:PCT/EP2013/051990	1)FRANK ALEFELDER
Filing Date	:01/02/2013	2)RAINER HAAR
(87) International Publication No	:WO 2013/120703	
(61) Patent of Addition to Application Number	:NA :NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A busbar system for the transport of energy especially for long vertical paths is disclosed, wherein the busbar system comprises multiple sections, the sections each comprise multiple busbars and a holding piece, and the busbars of the sections are held by the respective holding pieces and electrically connected to one another via a connection.



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

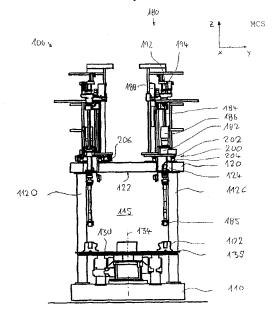
(22) Date of filing of Application :30/07/2014 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: HONING MACHINE WITH A PLURALITY OF WORKSTATIONS AND A ROTARY TABLE

(51) International classification	:B23Q1/01,B23Q7/02	(71)Name of Applicant:
(31) Priority Document No	:102012201730.5	1)NAGEL MASCHINEN-UND
(32) Priority Date	:06/02/2012	Address of Applicant :WERKZEUGFABRIK GMBH,
(33) Name of priority country	:Germany	OBERBOIHINGERSTRASSE 60, 72622 NÜRTINGEN,
(86) International Application No	:PCT/EP2013/051913	GERMANY
Filing Date	:31/01/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2013/117482	1)BERND NAGEL
(61) Patent of Addition to Application	:NA	2)GUNTHER ROTH
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A honing machine (100) for performing honing operations on at least one bore in a workpiece (102), in particular for hone machining cylindrical bores in a cylinder crankcase, has a machine base (110), a plurality of vertical stands (112A-112D) arranged in the peripheral area of the machine base, an upper machine part (120) that is arranged at a distance above the machine base and is supported by the stands, and a rotary table (130), arranged on the machine base, that can be rotated about a vertical rotary table axis (134) and has a plurality of workpiece holders (135) which are radially spaced from the rotary table axis and offset from one another circumferentially in such a manner that a workpiece received in a workpiece holder can be transported successively to different work stations (140, 150, 160) of the honing machine by rotating the rotary table. At least one of the work stations is a honing station having at least one honing unit (180) supported by the upper machine part (120), said honing station having a honing spindle that can be rotated about a vertical spindle axis and moved back and forth parallel to the spindle axis.



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

(21) Application No.1602/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 31/10/2014

# (54) Title of the invention : HOT-ROLLED STEEL SHEET FOR GENERATOR RIM AND METHOD FOR MANUFACTURING THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C22C38/00,C21D8/12 :2012-018306 :31/01/2012 :Japan :PCT/JP2013/051956 :30/01/2013 :WO 2013/115205 :NA :NA	(71)Name of Applicant:  1)JFE STEEL CORPORATION Address of Applicant: 2-3, UCHISAIWAI-CHO 2-CHOME, CHIYODA-KU, TOKYO 100-0011 JAPAN (72)Name of Inventor: 1)NAKAMURA, NOBUYUKI 2)NAKAJIMA, KATSUMI 3)FUNAKAWA, YOSHIMASA 4)OKIMOTO, KAZUTAKA 5)OGURA, TAKAHIKO
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#### (57) Abstract:

This hot-rolled steel for a power generator rim includes a ferrite phase of 95% or more in terms of surface area ratio, has a microstructure in which a precipitate including Ti and V having an average particle diameter of less than 10 nm has precipitated inside ferrite-phase crystal grains, has ferrite-phase crystal grains with an average diameter of 2  $\mu$ m or more and less than 10 mum, and has magnetic properties in which the yield strength (YS) in the rolling direction is 700 MPa or more, the magnetic flux density (B50) is 1.5 T or more, and the magnetic flux density (B100) is 1.6 T or more.

No. of Pages: 30 No. of Claims: 6

(21) Application No.1603/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/07/2014 (43) Publication Date : 31/10/2014

# (54) Title of the invention: SOFT-INTRIDING STEEL AND SOFT-NITRIDED COMPONENT USING STEEL AS MATERIAL

(51) International classification	:C22C38/00,C22C 38/60	(71)Name of Applicant: 1)JFE BARS & SHAPES CORPORATION
(31) Priority Document No	:2012-031031	Address of Applicant :5-11-3, SHINBASHI, MINATO-KU,
(32) Priority Date	:15/02/2012	TOKYO 1050004, JAPAN
(33) Name of priority country	:Japan	2)JFE STEEL CORPORATION
(86) International Application No	:PCT/JP2013/000838	(72)Name of Inventor:
Filing Date	:15/02/2013	1)IWAMOTO, TAKASHI
(87) International Publication No	:WO 2013/121794	2)ANDO KEISUKE
(61) Patent of Addition to Application	:NA	3)TOMITA KUNIKAZU
Number	:NA	4)OMORI, YASUHIRO
Filing Date	.11/1	5)UWAI, KIYOSHI
(62) Divisional to Application Number	:NA	6)MITAO, SHINJI
Filing Date	:NA	

#### (57) Abstract:

The present invention can provide soft-nitriding steel which has a predefined component composition and, before soft nitriding, excellent machinability by having a structure in which the bainite area ratio prior to soft nitriding is greater than 50%, and after soft nitriding, strength/toughness equal to that of a carburized material of conventional steel, for example, SCr420 steel and provides more superior fatigue characteristics.

No. of Pages: 20 No. of Claims: 3

(22) Date of filing of Application :03/11/2011

(43) Publication Date: 31/10/2014

# (54) Title of the invention: NOVEL ADSORBENT FOR REMOVAL OF SULPHUR FROM DIESEL AND GASOLINE LIKE FUELS AND PROCESS FOR PREPARING THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA :NA :NA :NA : NA :NA :NA	(71)Name of Applicant:  1)INDIAN OIL CORPORATION LTD. Address of Applicant: INDIAN OIL BHAVAN, 2, GARIAHAT ROAD (SOUTH), DHAKURIA, KOLKATA- 700068, WEST BENGAL, INDIA (72)Name of Inventor: 1)ALEX C. PULIKOTTIL 2)SARVESH KUMAR 3)K. O. XAVIER 4)GANESH V. BUTLEY 5)G. RAJSEKHAR VARCHASAVI 6)RASHMI BAGAI 7)ALOK SHARMA
Filing Date	:NA	8)J. CHRISTOPHER 9)BRIJESH KUMAR 10)SANTNAM RAJAGOPAL 11)RAVINDER KUMAR MALHOTRA

#### (57) Abstract:

A novel nano structured adsorbent composition for removal of sulphur from diesel and gasoline like fuels is disclosed. It is capable of removal of sulphur by reactive adsorption from most refractory sulfur species of diesel- and gasoline-like fuels. The process of sulphur removal is carried out under hydrogen environment. The sulphur content of the treated fuel comes down to less than 5 ppm. The adsorbent comprises of an active component having X-ray amorphous nano-sized mixed oxides of Ni, Zn, Al, Fe and Ti having local crystalline characteristics as evidenced by TEM as the active component, constituting 15-65 wt% as the active phase, 20-45 wt% NiO, 15-30 wt% ZnO, 5-15 wt% Al2O3, and 2-15 wt% clay. The adsorbent has a surface area of 50-200m2/g, pore volume of 0.1 to 0.6 cc/g and pore size ranging from 50-200 A0. The adsorbent desulphurises cracked gasoline with an octane loss which is in the range of 1-2 units. The invention also discloses a process for preparing the adsorbent.

No. of Pages: 22 No. of Claims: 16

(22) Date of filing of Application :03/11/2011 (43) Publication Date : 31/10/2014

# (54) Title of the invention : IMPROVED DEASPHALTING PROCESS FOR PRODUCTION OF FEEDSTOCKS FOR DUAL APPLICATIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:C12P 19/02 :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)INDIAN OIL CORPORATION LTD. Address of Applicant: INDIAN OIL BHAVAN, 2, GARIAHAT ROAD (SOUTH), DHAKURIA, KOLKATA- 700068, WEST BENGAL, INDIA (72)Name of Inventor: 1)IRUDAYARAJ DEVOTTA 2)NADUHATTY SELAI RAMAN
(61) Patent of Addition to Application Number	:NA	3)BRIJESH KUMAR
Filing Date	:NA	4)SANTANAM RAJAGOPAL
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention concerns with improved and more flexible deasphalting process for production of lube oil base stock as well as feed stock for secondary processes depending on requirement from heavy residual hydrocarbon oil containing saturates, aromatics, resins and asphaltenes etc by contacting the oil with a solvent comprising of hydrocarbon containing two to six carbon atoms, preferably LPG having C3-C4 hydrocarbons and mixture thereof at predetermined deasphalting conditions wherein the yield of deasphalted oil including its quality is controlled by varying the deasphalting conditions including the operating temperature. The yield variations of 15 to 60 wt% is achieved by swinging the temperature by about 10-20°C within the operative temperature range of 70-130°C keeping the rest of the operating conditions including solvent to feed ratio same. The LPG solvent can be recovered using supercritical mode of operation using technology known in the art and recycled.

No. of Pages: 18 No. of Claims: 12

(22) Date of filing of Application :03/11/2011

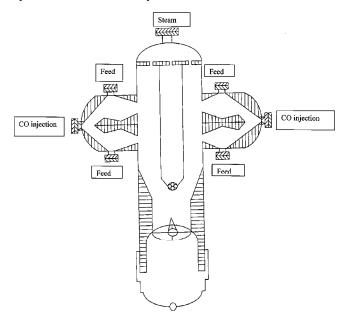
(43) Publication Date: 31/10/2014

# (54) Title of the invention: PROCESS FOR REDUCTION OF SULFUR IN FCC LIQUID PRODUCTS THROUGH THE USE OF CO AS A REDUCING AGENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B01J 19/28 :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)INDIAN OIL CORPORATION LTD. Address of Applicant: INDIAN OIL BHAVAN, 2, GARIAHAT ROAD (SOUTH), DHAKURIA, KOLKATA-700068, WEST BENGAL, INDIA (72)Name of Inventor: 1)PANKAJ KUMAR KASLIWAL 2)BRIJESH KUMAR VERMA 3)GS MISHRA 4)AV KARTHIKEYANI 5)LATOOR LAL SAROYA 6)KM PRABHU 7)BRIJESH KUMAR 8)SANTANAM RAJAGOPAL 9)RAVINDER KUMAR MALHOTRA
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### (57) Abstract:

Disclosed herein is an improved fluidized catalytic cracking process for converting normally liquid hydrocarbon feedstock with simultaneous reduction of sulfur content in the liquid products obtained therefrom which comprises carrying out the cracking process in the presence of carbon monoxide gas as a reducing agent. The process optionally includes a step of premixing the hydrocarbon feedstock with carbon monoxide gas causing major sulfur reduction before effecting the cracking. The premixing is done in a specified nozzle assembly linked to the FCC unit.



No. of Pages: 16 No. of Claims: 13

(22) Date of filing of Application :01/08/2014

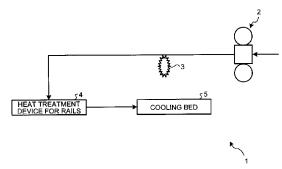
(43) Publication Date: 31/10/2014

# (54) Title of the invention: RAIL HEAT TREATMENT DEVICE AND RAIL HEAT TREATMENT METHOD

(51) International classification	:C21D 9/04,C21D 11/00	(71)Name of Applicant: 1)JFE STEEL CORPORATION
(31) Priority Document No	:NA	Address of Applicant :2-3, UCHISAIWAI-CHO 2-CHOME,
(32) Priority Date	:NA	CHIYODA-KU, TOKYO 100-0011 JAPAN
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:PCT/JP2012/052582	1)YOSHIDA, YOSHIKAZU
Filing Date	:06/02/2012	2)TAKAHASHI, HIDEKI
(87) International Publication No	:WO 2013/118236	3)KOJO, RINYA
(61) Patent of Addition to Application	:NA	4)MATSUOKA, RYO
Number	:NA	5)KATAOKA, YUZURU
Filing Date	.IVA	6)HORITA, TOMOO
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A rail heat treatment device (4) according to one aspect of the present invention includes cooling headers (23a) that are discontinuously arranged along the longitudinal direction of a rail, an oscillation mechanism (30), and a control system (40). The cooling headers (23a) cool a rail (9) by jetting a cooling medium to the rail (9). The oscillation mechanism (30) relatively reciprocates the rail (9) and each of the cooling headers (23a) along the longitudinal direction of the rail (9). Based on a correlation expression representing a correlation between cooling time for the rail (9) and the hardness of the rail (9) after cooling, the control system (40) obtains a permissible range of required cooling time for the rail (9) that satisfies a permissible range of the hardness of the rail (9). Based on the permissible range of the required cooling time, the control system (40) controls a stroke and a speed of relative reciprocation of the rail (9) and the cooling header (23a), and causes the oscillation mechanism (30) to perform reciprocation by the stroke and at the speed.



No. of Pages: 53 No. of Claims: 10

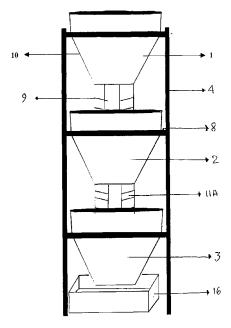
(22) Date of filing of Application :09/09/2009 (43) Publication Date : 31/10/2014

# (54) Title of the invention: KHARAGPUR 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 <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> </ul>	:NA :NA :NA :NA :NA : NA	(71)Name of Applicant:  1)INDIAN INSTITUTE OF TECHNOLOGY Address of Applicant: KHARAGPUR, PIN - 721 302, DIST - MIDNAPORE, STATE OF WEST BENGAL, INDIA (72)Name of Inventor: 1)BHATTACHARYA JAYANTA
<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>		1)BHATTACHARYA JAYANTA
Filing Date	:NA	

#### (57) Abstract:

Present invention is concerned with a water filtration system. The system comprises a main frame (4) where containers (1,2,3) are mounted with holding means (5) for multiple stage filtration; at the bottom of the last container a large capacity container(16) is provided to collect the filtered water wherein water is fed to the filtration system through spiral distributor (15) for uniform and regulated feeding and three intervening air columns between containers are provided for improving aeration of water. Baffling slant plate assembly is provided before second and third stages of filtration for breaking water particles into smaller sizes.



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

(22) Date of filing of Application :02/12/2013

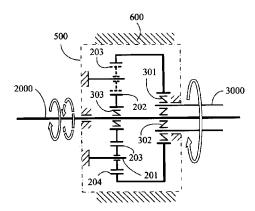
(43) Publication Date: 31/10/2014

# (54) Title of the invention: BI-ROTATING DIRECTIONAL INPUT AND CONSTANT ROTATING DIRECTIONAL OUTPUT WHEEL SYSTEM CAPABLE OF PREVENTING REVERSE ROTATION WHEEL SYSTEM FROM GENERATING FOLLOWING DAMP

<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>	:13/706,567 :06/12/2012 :U.S.A.	Address of Applicant :NO.59,CHUNG HSING 8 ST., SI-HU TOWN, DZAN-HWA, TAIWAN,R.O.C.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)TAI-HER YANG
(87) 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 an improved bi-rotating directional input and constant rotating directional output wheel system, which is characterized in that: a unidirectional transmission device is respectively installed between a first driving rotating directional input wheel set and a bi-rotating directional joint input shaft, between a first driving rotating directional output wheel set and a constant rotating directional output rotation part and between the constant rotating directional output rotation part and the joint input shaft, thereby preventing the transmission set in the first driving rotating direction from being linked and generating the following damp while being driven in a second driving rotating direction.



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

(21) Application No.194/KOL/2014 A

(19) INDIA

(22) Date of filing of Application :17/02/2014 (43) Publication Date : 31/10/2014

# (54) Title of the invention: ALUMINUM ALLOY ROTOR FOR AN ELECTROMAGNETIC DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:H01R 13/00 :13/871109 :26/04/2013 :U.S.A. :NA	(71)Name of Applicant:  1)GM GLOBAL TECHNOLOGY OPERATIONS LLC Address of Applicant: 300 GM RENAISSANCE CENTER, DETROIT, MICHIGAN 48265-3000, U.S.A. (72)Name of Inventor: 1)QIGUI WANG
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	2)RICHARD JACK OSBORNE 3)YUCONG WANG 4)MARGARITA THOMPSON

#### (57) Abstract:

A rotor includes a shorting ring defining a plurality of cavities therein, and a plurality of conductor bars each integral with the shorting ring and having an end disposed within a respective one of the plurality of cavities. The shorting ring and each of the conductor bars are formed from an aluminum alloy including a lanthanoid present in an amount of from about 0.1 part by weight to about 0.5 parts by weight based on 100 parts by weight of the aluminum alloy. An aluminum alloy, and a method of forming a rotor are also disclosed.

No. of Pages: 36 No. of Claims: 10

(19) INDIA

(22) Date of filing of Application: 18/01/2010

(21) Application No.194/KOLNP/2010 A

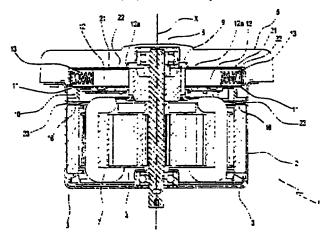
(43) Publication Date: 31/10/2014

# (54) Title of the invention: ELECTRIC 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 Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H01R 39/46 :BO2007A000575 :07/08/2007 :Italy :PCT/IB2008/002018 :23/07/2008 :WO 2009/019563 :NA :NA	(71)Name of Applicant:  1)SPAL AUTOMOTIVE S.R.L. Address of Applicant:VIA PER CARPI, 26/B, I-42015 CORREGGIO ITALY (72)Name of Inventor: 1)DE FILIPPIS, PIETRO
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An electric machine comprises: a casing (2); a stator (3) and a rotor (4) supported by the casing (2), the rotor (4) having at least one rotor winding (7); a commutator (9) connected permanently to the rotor (4) and electrically connected to the rotor winding (7); a pair of brushes (12), each having a first end (12a) maintained in a sliding position with the commutator (9) and electrically connected to respective terminals which may be connected to an electricity mains supply; a pair of brush holder elements (11) supported by the casing (2), each brush holder element (11) being associated with a respective brush (12) to keep it pressed on the commutator (9). Each brush holder element (11) has at least one lateral surface (18) to face a respective butting position (17) of the casing (2), and which may be joined to the butting portion (17) to transmit a thermal power to the butting portion. The lateral surface (18) of each brush holder element (11) is electrically isolated from the respective butting portion (17).



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

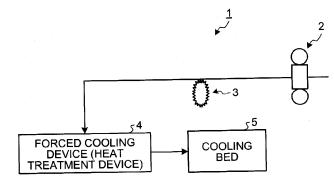
(22) Date of filing of Application :01/08/2014 (43) Publication Date : 31/10/2014

### (54) Title of the invention: RAIL COOLING METHOD

(51) International classification	:C21D 9/04	(71)Name of Applicant:
(31) Priority Document No	:NA	1)JFE STEEL CORPORATION
(32) Priority Date	:NA	Address of Applicant :2-3, UCHISAIWAI-CHO 2-CHOME,
(33) Name of priority country	:NA	CHIYODA-KU, TOKYO 100-0011 JAPAN
(86) International Application No	:PCT/JP2012/052581	(72)Name of Inventor:
Filing Date	:06/02/2012	1)KOJO, RINYA
(87) International Publication No	:WO 2013/118235	2)FUKUDA, HIROYUKI
(61) Patent of Addition to Application	:NA	3)TAMURA, YUTA
Number	:NA	4)YOSHIDA, YOSHIKAZU
Filing Date	.11/1	5)TAKAHASHI, HIDEKI
(62) Divisional to Application Number	:NA	6)MATSUOKA, RYO
Filing Date	:NA	7)KATAOKA, YUZURU

#### (57) Abstract:

Based on a relation between temperatures including a cooling start temperature (Th0) of a head of a rail when forced cooling on the head is started, a cooling end temperature (Th1) of the head when the forced cooling on the head is ended, a cooling start temperature (Tf0) of a foot of the rail when forced cooling on the foot is started and a cooling end temperature (Tf1) of the foot when the forced cooling on the foot is ended and an amount of warp of the rail cooled to ambient temperature after the heat treatment, target values or target value ranges for the temperatures (Th0, Th1, Tf0, and Tf1) are calculated so that the amount of warp of the rail at ambient temperature falls within a permitted range. Cooling conditions are set in accordance with the target values or the target value ranges to cool the head and foot.



No. of Pages: 28 No. of Claims: 5

(21) Application No.1619/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/08/2014

(43) Publication Date: 31/10/2014

(54) Title of the invention: VALVE

(51) International

:F15B13/04,E21B4/14,F16K11/085

classification

:102012006587.6

(31) Priority Document No (32) Priority Date

:30/03/2012

(33) Name of priority country: Germany

(86) International Application

:PCT/DE2013/000139

:12/03/2013 Filing Date

(87) International Publication

:WO 2013/143520

No

(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)CONSTRUCTION TOOLS GMBH

Address of Applicant : Helenenstrasse 149, 45143, Essen,

**GERMANY** 

(72) Name of Inventor:

1)DIRR, Colin

(57) Abstract:

The present invention relates to a valve for a hydraulically operated percussion mechanism having a main valve (2, 102) which is in the form of a rotary slide valve having a rotary slide. In order to reduce the installation space and the production costs of such valves, it is proposed according to the invention that the rotary slide is configured as a receiving housing which receives a valve element in the form of a secondary valve (68, 114). Furthermore, the invention relates to the use of a valve which is arranged on a percussion mechanism of a hydraulic hammer.

No. of Pages: 59 No. of Claims: 12

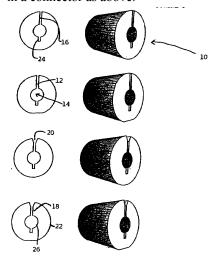
(22) Date of filing of Application :14/01/2010 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: CONECTOR FOR MULTIPLE OPTICAL FIBERS AND INSTALLATION APPARATUS

(51) International classification	:G02B 6/38,G02B 6/40	(71)Name of Applicant: 1)PHASOPTX INC.
(31) Priority Document No	:60/943,965	Address of Applicant :450, RUE STE-CATHERINE QUEST,
(32) Priority Date	:14/06/2007	SUITE 503, MONTREAL, QUÉBEC H3B 1A7 CANADA
(33) Name of priority country	:U.S.A.	2)FRASER, ALEX
(86) International Application No	:PCT/CA2008/001147	3)BERGERON, MATHIEU
Filing Date	:16/06/2008	(72)Name of Inventor:
(87) International Publication No	:WO 2008/151445	1)FRASER, ALEX
(61) Patent of Addition to Application	:NA	2)BERGERON, MATHIEU
Number	:NA	3)WEYNANT, ERIC
Filing Date	.IVA	4)ZIVOJINOVIC, PATRICK
(62) Divisional to Application Number	:NA	5)MENU, ERIC
Filing Date	:NA	

#### (57) Abstract:

The present invention comprises a connector comprising shape memory material such as a shape memory alloy, an optical fiber conduit and an axial stress opening traversing the connector from the connector surface to the fiber conduit and along at least a portion of a longitudinal length of the connector. The fiber conduit is dimensioned for optical fibers and to secure two optical fibers in abutment alignment for light signal transmission from one fiber to the other, with minimal attenuation and for securing the fibers without crushing or other damage to the fibers. In another embodiment, the present invention relates to a method of bringing optical fibers in abutment connection for signal conduction using a connector as above, wherein a wedging force is applied to the stress opening, whereby the wedging force will induce separation of the side walls of the slot and expansion of the fiber conduit for insertion of optical fibers and their abutment connection and securing of the fibers in abutment connection, when the wedging force is removed. Alternatively, a force may be applied to either side of the stress opening to again expand the opening and fiber conduit for the purpose of placement of optical fibers within the fiber conduit Removal of the force will allow retention of the fibers in abutment connection of the fibers. In a still further embodiment, the present invention relates to an apparatus which applies a wedging force to a stress opening for expansion of a fiber conduit and insertion of optical fibers and their retention, light transmission abutment and connection in a connector as above.



No. of Pages: 40 No. of Claims: 23

(22) Date of filing of Application :02/07/2009 (43) Publication Date : 31/10/2014

#### (54) Title of the invention: NECKLIFT PROCEDURE AND INSTRUMENTS FOR PERFORMING 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> </ul>	:A61B 17/00 :11/566,386 :04/12/2006 :U.S.A. :PCT/US2007/086429 :04/12/2007 :WO 2008/070691 :NA :NA	(71)Name of Applicant:  1)IMPLICITCARE, LLC Address of Applicant: 436 N. BEDFORD DRIVE, SUITE 103, BEVERLY HILLS, CA 90210 U.S.A. (72)Name of Inventor: 1)MUELLER, GREGORY, PAUL 2)STONE, CORBETT
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Described herein are the instruments used in a method for threading a suture in a patient's body. The method includes the steps of providing a suture, providing a threading device comprising an elongated rod having a suture tie-off location and first and second ends, tying the suture to the suture tie-off location, inserting the first end of the elongated rod through a first opening in the patient's skin, passing the first end of the elongated rod subcutaneously to a second opening in the patient's skin, pulling the first end of the elongated rod and a portion of the suture through the second opening, without turning the elongated rod around, and passing the second end of the elongated rod subcutaneously to an opening in the patient's skin. At at least one point during the performance of the method the first end of the elongated rod extends out of the first opening and the second end of the elongated rod extends through the second opening. In a preferred embodiment, the first and second ends of the threading device are each lighted at predetermined points during the method.

No. of Pages: 74 No. of Claims: 53

(12) TATENT ALLECATION TOBLICATION

(22) Date of filing of Application :14/01/2010 (43) Publication Date : 31/10/2014

(54) Title of the invention: WELDING TORCH

(51) International classification :B23K 9/29 (71)Name of Applicant: (31) Priority Document No 1)PANASONIC CORPORATION :2007-263102 (32) Priority Date Address of Applicant: 1006, OAZA KADOMA, KADOMA-:09/10/2007 (33) Name of priority country SHI, OSAKA 571-8501 JAPAN :Japan (86) International Application No :PCT/JP2008/000966 (72)Name of Inventor : 1)YOSUSHI MUKAI Filing Date :14/04/2008 (87) International Publication No :WO 2009/047873 2)TOSHIYUKI MISHIMA (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(21) Application No.169/KOLNP/2010 A

#### (57) Abstract:

(19) INDIA

It comprises cylindrical feeder collet (6) formed with a slit portion at a front end thereof for feeding power to a welding wire internally set through; collet case (7) for storing feeder collet (6) therein, having an abutment on which the end of feeder collet (6) is abutted; flexible inner tube (4) for leading the welding wire to feeder collet (6); torch body (3) with inner tube (4) inserted therein and collet case (7) detachably disposed at the front end thereof; and spring (5) for pressurizing feeder collet (6) toward the front end of the welding wire, wherein there is provided a taper surface on at least any one of the front end of feeder collet (6) and the abutment of collet case (7). Thus, it is structurally simple and applicable for a curved torch.

No. of Pages: 26 No. of Claims: 11

(22) Date of filing of Application :01/07/2009

(43) Publication Date: 31/10/2014

# (54) Title of the invention: RECORDING MEDIUM, REPRODUCTION APPARATUS, RECORDING METHOD, PROGRAM, AND REPRODUCTION METHOD

(51) International classification :G06G 5/00 (31) Priority Document No :60/483,228 (32) Priority Date :30/06/2003 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/JP2004/00951: Filing Date :29/06/2004

(87) International Publication No :WO/2005/002219
(61) Patent of Addition to Application

Number
Filing Date

Signature (61) Patent of Addition to Application
Signature (184): NA

(62) Divisional to Application Number :2647/KOL NP/2005 Filed on :20/12/2005

(71)Name of Applicant:

1)PANASONIC CORPORATION

Address of Applicant :1006, OAZA KADOMA, KADOMA-

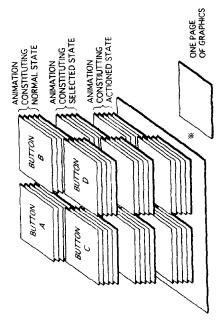
SHI, OSAKA-571-8501 Japan

:PCT/JP2004/009515 (72)Name of Inventor : :29/06/2004 1)YAHATA, HIROSHI :WO/2005/002219 2)MCCROSSAN, JOSEPH 3)OKADA, TOMOYUKI

4)IKEDA, WATARU

(57) Abstract:

A BD-ROM has recorded therein an AV Clip generated by-multiplexing a video stream and a graphics stream. The graphics stream represents an interactive display to be overlayed with the video stream, and includes a sequence of three Button State groups. The interactive display includes a plurality of buttons, each of which changes from a normal state to a selected state, and from the selected state to an active state, according to a user operation. In the three Button State groups in the graphics stream, the first-order group (N-ODSs) is made of a plurality of pieces of graphics data, which represent normal states of the buttons, the second-order group (A-ODSs) is made of a plurality of pieces of graphics data, which represent selected states of the buttons, and the third-order group (A-ODSs) is made of a plurality of pieces of graphics data, which represent active states of the buttons.



No. of Pages: 158 No. of Claims: 6

(22) Date of filing of Application :01/07/2009

(43) Publication Date: 31/10/2014

### (54) Title of the invention: RECORDING MEDIUM, REPRODUCTION APPARATUS, RECORDING METHOD, PROGRAM, AND REPRODUCTION METHOD

(51) International classification :G06G 5/00 (31) Priority Document No :60/483.228 (32) Priority Date :30/06/2003 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/JP2004/009515 (72)Name of Inventor : Filing Date :29/06/2004 :WO/2005/002219

(87) International Publication No (61) Patent of Addition to Application :NA

Number :NA Filing Date

(62) Divisional to Application Number Filed on

(71)Name of Applicant:

1)PANASONIC CORPORATION

Address of Applicant: 1006, OAZA KADOMA, KADOMA-

SHI, OSAKA-571-8501 Japan

1)YAHATA, HIROSHI 2)MCCROSSAN, JOSEPH 3)OKADA, TOMOYUKI

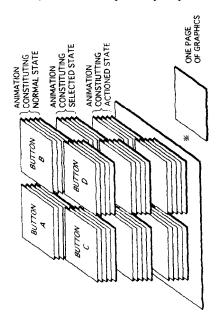
4)IKEDA, WATARU

#### (57) Abstract:

A BD-ROM has recorded therein an AV Clip generated by-multiplexing a video stream and a graphics stream. The graphics stream represents an interactive display to be overlayed with the video stream, and includes a sequence of three Button State groups . The interactive display includes a plurality of buttons, each of which changes from a normal state to a selected state, and from the selected state to an active state, according to a user operation. In the three Button State groups in the graphics stream, the first-order group (N-ODSs) is made of a plurality of pieces of graphics data, which represent normal states of the buttons, the second-order group (S-ODSs) is made of a plurality of pieces of graphics data, which represent selected states of the buttons, and the third-order group (A-ODSs) is made of a plurality of pieces of graphics data, which represent active states of the buttons.

:2647/KOL NP/2005

:20/12/2005



No. of Pages: 154 No. of Claims: 1

(19) INDIA

(22) Date of filing of Application :01/07/2009

(21) Application No.2426/KOLNP/2009 A

(43) Publication Date: 31/10/2014

# (54) Title of the invention: PIPERIDINE GPCR AGONISTS

(51) International classification	:C07D 413/14 ,A61P 3/04,A61P 3/10	(71)Name of Applicant: 1)PROSIDION LIMITED
(31) Priority Document No	:0700126.6	Address of Applicant :WINDRUSH COURT,
(32) Priority Date	:04/01/2007	WATLINGTON RD, OXFORD OXFORDSHIRE OX4 6LT U.K.
(33) Name of priority country	:U.K.	(72)Name of Inventor:
(86) International Application No	:PCT/GB2008/050014	1)FYFE, MATTHEW, COLIN, THOR
Filing Date	:04/01/2008	2)JEEVARATNAM, REVATHY, PERPETUA
(87) International Publication No	:WO 2008/081208	3)KEILY, JOHN
(61) Patent of Addition to Application Number Filing Date	:NA :NA	4)SWAIN, SIMON, ANDREW
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

Compounds of formula (I): or pharmaceutically acceptable salts thereof, are GPCR agonists and are useful as for the treatment of obesity and diabetes.

No. of Pages: 23 No. of Claims: 25

(19) INDIA

(22) Date of filing of Application :01/07/2009

(21) Application No.2427/KOLNP/2009 A

(43) Publication Date: 31/10/2014

## (54) Title of the invention: PIPERIDINE GPCR AGONISTS

(51) International classification	:C07D 413/04 ,A61P 3/04,A61P 3/10	(71)Name of Applicant : 1)PROSIDION LIMITED
(31) Priority Document No	:0700124.1	Address of Applicant :WINDRUSH COURT,
(32) Priority Date	:04/01/2007	WATLINGTON RD, OXFORD OX4 6LT U.K.
(33) Name of priority country	:U.K.	(72)Name of Inventor:
(86) International Application No	:PCT/GB2008/050011	1)BERTRAM, LISA, SARAH
Filing Date	:04/01/2008	2)FYFE, MATTHEW, COLIN, THOR
(87) International Publication No	:WO 2008/081205	3)JEEVARATNAM, REVATHY, PERPETUA
(61) Patent of Addition to Application	:NA	4)KEILY, JOHN
Number	:NA	5)SWAIN, SIMON, ANDREW
Filing Date	.11/11	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

Compounds of formula (I): or pharmaceutically acceptable salts thereof, are GPCR agonists and are useful as for the treatment of obesity and diabetes.

No. of Pages: 35 No. of Claims: 30

(22) Date of filing of Application :04/08/2014 (43) Publication Date : 31/10/2014

## (54) Title of the invention: FASTENING DEVICES AND SYSTEMS AND METHOD THEREOF

(51) International classification	:A43C 11/00	(71)Name of Applicant :
(31) Priority Document No	:13/367,362	1)HICKIES, INC.
(32) Priority Date	:06/02/2012	Address of Applicant :2 NORTHSIDE PIERS APARTMENT
(33) Name of priority country	:U.S.A.	20C, BROOKLYN, NY11211, U.S.A.
(86) International Application No		(72)Name of Inventor:
Filing Date	:08/06/2012	1)FRYDLEWSKI, GASTON
(87) International Publication No	:WO 2013/119268	2)WAINGARTEN, MARIA, RAQUEL
(61) Patent of Addition to Application	. W O 2013/11/200	3)LEGETTE, BRIAN
Number	:NA	4)REEB, DAVID
Filing Date	:NA	5)TIPP, ALAN
(62) Divisional to Application Number	:NA	3)1111, ALAIV
Filing Date	:NA	
1 mmg Date	.1 17 1	

### (57) Abstract:

Fastening devices and systems and methods thereof. Fastening devices and systems and methods thereof can include a unitary or one-piece body having first and second ends configured and operative to be coupled together or to be coupled to their respective complement in another of said fastening devices. The first end can include a ring or annular portion and a projection that are sized and shaped to fit around an anchor and in an orifice, respectively, of the second end. Fastening devices and systems and methods thereof according to embodiments may be used with items, including footwear, apparel, luggage, a backpack, a bag, a purse, a boxing glove, a punching bag, football or lacrosse shoulder pads, or the like.

No. of Pages: 60 No. of Claims: 28

(22) Date of filing of Application :04/08/2014

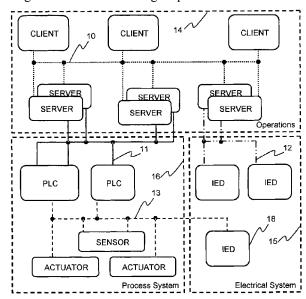
(43) Publication Date: 31/10/2014

# (54) Title of the invention : SYSTEM AND METHOD FOR VISUALIZING DEVICE DATA AND NETWORK OF AN INDUSTRIAL PLANT IN ONE DISPLAY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:G05B19/042 :NA :NA :NA :PCT/EP2012/054033 :08/03/2012 :WO 2013/131573 :NA :NA	(71)Name of Applicant:  1)ABB TECHNOLOGY AG Address of Applicant: Affolternstr. 44, CH-8050 Zürich, Switzerland (72)Name of Inventor: 1)GUTERMUTH, Georg 2)RODRIGUEZ CARRION, Pablo
\ <i>)</i>		1 \ /
e e	:WO 2013/131573	
(61) Patent of Addition to Application		
Filing Date	:NA	

#### (57) Abstract:

A system and a method for visualizing technical equipment of an idustrial plant are presented. The system comprises a graphical display unit (5) and a user interface (1) arranged for receiving image handling parameters. Further, it comprises a data storing unit (6) which is arranged to provide data relating to the technical equipment in the form of device data and network data describing a communication network of the industrial plant, where the device data describe network devices (18) which are all connected to the communication network and belong to the industrial plant, and where the network data describe all the communication connections (10-13) between the network devices. To the system belongs further a data processing unit (3) which is arranged for retrieving the provided data, for transforming all the device data and all the network data into displayable information which contains image representations of all of the network devices (18) and of all of the communication connections (10-13), and for providing the image representations together with further displayable information to the graphical display unit (5). The graphical display unit (5) is arranged to visualize the image representations and further displayable information according to the image handling parameters.



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

(22) Date of filing of Application :03/07/2009

(43) Publication Date: 31/10/2014

### (54) Title of the invention: HUMAN ANTIBODIES THAT BIND CD19 AND USES THEREOF

(51) International classification	:A61K 39/395	(71)Name of Applicant:
(31) Priority Document No	:60/869,904	1)MEDAREX, INC.
(32) Priority Date	:13/12/2006	Address of Applicant:707 STATE ROAD, PRINCETON, NJ
(33) Name of priority country	:U.S.A.	08540 U.S.A.
(86) International Application No	:PCT/US2007/087393	(72)Name of Inventor:
Filing Date	:13/12/2007	1)KING, DAVID, JOHN
(87) International Publication No	:WO 2009/054863	2)RAO-NAIK, CHETANA
(61) Patent of Addition to Application	:NA	3)PAN, CHIN
Number	:NA	4)CARDARELLI, JOSEPHINE
Filing Date	.11/1	5)BLANSET, DIANN.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Anti-CD19 21D4 and 21D4a VH

The present disclosure provides isolated monoclonal antibodies that specifically bind to CD 19 with high affinity, particularly human monoclonal antibodies. Preferably, the antibodies bind human CD 19. In certain embodiments, the antibodies are capable of internalizing into CD19-expressing cells or are capable of mediating antigen dependent cellular cytotoxicity. Nucleic acid molecules encoding the antibodies of this disclosure, expression vectors, host cells and methods for expressing the antibodies of this disclosure are also provided. Antibody-partner molecule conjugates, bispecific molecules and pharmaceutical compositions comprising the antibodies of this disclosure are also provided. This disclosure also provides methods for detecting CD 19, as well as methods for treating cancers, such as B cell malignancies, for example, non-Hodgkin's lymphoma, chronic lymphocytic leukemias, follicular lymphomas, diffuse large cell lymphomas of B lineage, and multiple myelomas using an anti-CD 19 antibody of this disclosure.

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163		GAC	TCT	GAT	ACC	AGA	TAC	AGT	CCG	TCC	TTC	CAA	GGC	CAG	GTC	ACU	ATC	TCA	GCC
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271			A ccc																
211				AIG	IMI	IAC	101	GCU	HUH	CMI	021	ACI	AIG	WIT	100	OOM	011	MII	VII
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325		GAC	TTC	TGG	GGC	CAG	GGA	ACC	CTG	GTC	YCC	GTC	TCC	TCA					

No. of Pages: 272 No. of Claims: 14

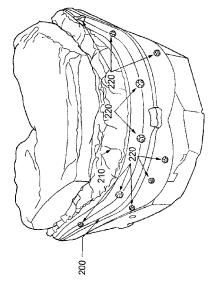
(22) Date of filing of Application :03/07/2009 (43) Publication Date : 31/10/2014

## (54) Title of the invention: METHOD AND SYSTEM FOR DENTAL PLANNING AND PRODUCTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:17/01/2007 :WO 2008/083857 :NA :NA :NA	(71)Name of Applicant:  1)NOBEL BIOCARE SERVICES AG Address of Applicant: POSTFACH, CH-8058 ZÜRICH-FLUGHAFEN Switzerland (72)Name of Inventor: 1)PETTERSSON, ANDREAS
Filing Date	:NA	

### (57) Abstract:

A method and system useful for planning a dental restorative procedure of a patient and for producing at least one dental restoration or product related thereto to be used in said dental restorative procedure are disclosed. Input data from different sources, e.g. 3D data from a CT scan of a patient with a dental impression tray including a previously prepared dental impression of the patient in the patient's mouth, is matched with data from a high resolution 3D scan of the same dental impression. The resulting data is for instance matched by means of fiducial markers arranged at the dental impression tray. Thus reliable planning and production are enabled by means of the same, matched data set. In this manner the dosage to which the patient is exposed to may be reduced in comparison to previous methods.



No. of Pages: 56 No. of Claims: 26

(22) Date of filing of Application :06/10/2009 (43) Publication Date : 31/10/2014

# (54) Title of the invention : PROCESS FOR THE REGENERATION OF CATALYSTS FOR THE TREATMENT OF HYDROCARBONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B01J27/32 :08 56884 :10/10/2008 :France :NA :NA : NA :NA :NA :NA	(71)Name of Applicant: 1)EURECAT S.A. Address of Applicant: QUAI JEAN JAURÈS, 07800 LA VOULTE-SUR-RHÔNE FRANCE (72)Name of Inventor: 1)GALLIOU, PAULINE 2)NAGY, ERIC 3)DUFRESNE, PIERRE
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

### (57) Abstract:

A subject-matter of the present invention is a process for the regeneration of a catalyst comprising at least one metal from Group VIII and at least one metal from Group VIB which are deposited on a refractory oxide support, comprising: - at least one first step of heat treatment of the catalyst in the presence of oxygen and at a temperature ranging from 350°C to 550°C; - at least one second step of deposition, at the surface of the catalyst, of one or more additive(s) of formula (I):

No. of Pages: 22 No. of Claims: 17

(21) Application No.1605/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :31/07/2014 (43) Publication Date : 31/10/2014

## (54) Title of the invention: HIGH VOLTAGE CABLE DETECTION USING ROTATING MACHINE IN HYBRID VEHICLES

(51) International classification	:G01R31/02,B60W20/00	(71)Name of Applicant:
(31) Priority Document No	:61/600,142	1)ALLISON TRANSMISSION, INC.
(32) Priority Date	:17/02/2012	Address of Applicant :One Allison Way Indianapolis, IN
(33) Name of priority country	:U.S.A.	46222 U.S.A.
(86) International Application No	:PCT/US2013/026321	(72)Name of Inventor:
Filing Date	:15/02/2013	1)SCHNEIDER, Eric, D.
(87) International Publication No	:WO 2013/123313	
(61) Patent of Addition to Application	:NA	
Number	:NA :NA	
Filing Date	INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A system and method described herein detects the presence of an unconnected condition in high voltage component cables in an electric or hybrid electric vehicle having a high voltage battery or energy storage system. The system includes a mechanical motive device such as a combustion engine which is used to rotate an electrical machine (E machine). The rotation of the E machine induces a sufficient yet safe test voltage on the main high voltage cabling of the vehicle. Measurements are taken at various points near the individual high voltage components to determine if a high voltage cable has become disconnected.

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

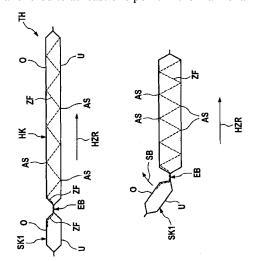
(22) Date of filing of Application :31/07/2014 (43) Publication Date : 31/10/2014

## (54) Title of the invention: TEXTILE LEVER DEVICE

(51) International classification	:D03D1/02	(71)Name of Applicant:
(31) Priority Document No	:10 2012 005 790.3	1)GLOBAL SAFETY TEXTILES GMBH
(32) Priority Date	:21/03/2012	Address of Applicant :Höllsteiner Str. 25, 79689 Maulburg,
(33) Name of priority country	:Germany	GERMANY
(86) International Application No	:PCT/EP2013/000267	(72)Name of Inventor:
Filing Date	:29/01/2013	1)BECKER, Michael
(87) International Publication No	:WO 2013/139415	2)ENDERLEIN, Andreas
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Textile lever device (TH), comprising an airbag (one-piece-woven or OPW airbag) having single-layer (EB) and multi-layer (HK,SK) areas, said airbag being woven in one piece, with inflatable chambers lying next to each other substantially in a main direction of pull (HZR), specifically a main chamber (HK) and at least one first side chamber (SK1) connected to the main chamber (HK) via a single-layer area, wherein the chambers (HK, SK1) have an upper fabric layer (O) and a lower fabric layer (U), and wherein pull threads (ZF) running in the main direction of pull (HZR) are firmly anchored in the upper or lower fabric layer (O, U) of the first side chamber (SK1), are moveably looped through the single-layer area (EB1), and in the main chamber (HK) are moveably looped on alternately in the upper fabric layer (O) and lower fabric layer (U) at predefined distances oriented to the main direction of pull (HZR), and are anchored to at least one point in the main chamber.



No. of Pages: 26 No. of Claims: 7

(22) Date of filing of Application :21/01/2010

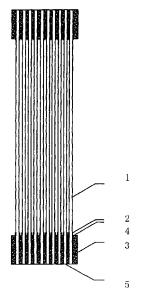
(43) Publication Date: 31/10/2014

# (54) Title of the invention : A HOLLOW-FIBRE MEMBRANE ASSEMBLY HAVING THE FUNCTION OF PREVENTING THE MEMBRANE FILAMENTS FROM CRACKING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B01D 63/02 :200720072974.6 :27/07/2007 :China :PCT/CN2008/070965 :15/05/2008 :WO 2009/015566 :NA :NA :NA	(71)Name of Applicant:  1)SUZHOU LITREE PURIFYING TECHNOLOGY CO. LTD.  Address of Applicant: 13# CHANGPING ROAD, DONGQIAO INDUSTRIAL DEVELOPMENT ZONE, XIANGCHENG DISTRICT, SUZHOU, JIANGSU 215152, CHINA (72)Name of Inventor: 1)CHEN, LIANGGANG 2)CHEN, MAN 3)CHEN, QING
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### (57) Abstract:

A hollow-fiber membrane assembly having the function of preventing the membrane filaments from cracking, which comprises: hollow-fiber membrane filaments (1), protective film(s) (2) and fastening material (3), wherein the protective film (2) enwraps the outside of the hollow-fiber membrane filament(s) (1) near the end head (5), and a portion of the protective film (2) is immobilized in the fastening material (3), while the rest portion of the protective film (2) outside of the fastening material (3) is left free.



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

(22) Date of filing of Application :03/03/2014 (43) Publication Date : 31/10/2014

## (54) Title of the invention: AIRFLOW CONTROL SYSTEMS AND METHODS USING MODEL PREDICTIVE CONTROL

(51) T. (1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	E02D 5/00	(71)
(51) International classification	:F02P 5/00	(71)Name of Applicant :
(31) Priority Document No	:61/815,068	1)GM GLOBAL TECHNOLOGY OPERATIONS LLC
(32) Priority Date	:23/04/2013	Address of Applicant :300 GM RENAISSANCE CENTER,
(33) Name of priority country	:U.S.A.	DETROIT, MICHIGAN 48265-3000, U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)CHRISTOPHER E. WHITNEY
(87) International Publication No	: NA	2)KEVIN C. WONG
(61) Patent of Addition to Application Number	:NA	3)PAUL R. NAHRA
Filing Date	:NA	4)JULIAN R. VERDEJO
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A torque requesting module generates a first torque request for a spark ignition engine based on driver input. A torque conversion module converts the first torque request into a second torque request. A setpoint control module generates air and exhaust setpoints for the spark ignition engine based on the second torque request. As model predictive control (MPC) module identifies sets of possible target values based on the air and exhaust setpoints, generates predicted parameters based on a model of the spark ignition engine and the sets of possible target values, respectively, selects one of the sets of possible target values based on the predicted parameters, and sets target values based on the possible target values of the selected one of the sets. A throttle actuator module controls opening of a throttle valve based on a first one of the target values.

No. of Pages: 47 No. of Claims: 10

(22) Date of filing of Application :07/09/2009 (43) Publication Date : 31/10/2014

## (54) Title of the invention: FORCE-SENSING CATHETER WITH BONDED CENTER STRUT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:12/207,155 :09/09/2008	l '
<ul> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA	

### (57) Abstract:

A force-sensing catheter for diagnosing or treating the vessels found within a body or body space includes a center strut that is bonded, preferably thermally, along its longitudinal axis with the thermoplastic tubular member within which it is housed. The tubular member preferably has three layers: an inner layer, a braided layer and an outer layer. One or more semiconductor or metallic foil strain gages are affixed to the center strut in order to provide a measure of the bending and torsional forces on the distal tip of the catheter. Temperature compensation is achieved by having a temperature sensor near the strain gages and calibrating the catheter over a range of temperatures.

No. of Pages: 43 No. of Claims: 35

(21) Application No.1611/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/08/2014

(43) Publication Date: 31/10/2014

# (54) Title of the invention : CDK8/CDK19 SELECTIVE INHIBITORS AND THEIR USE IN ANTI-METASTATIC AND CHEMOPREVENTATIVE METHODS FOR CANCER

(51) International classification :A61K31/517,C07D239/94,A61P35/00

(31) Priority Document No:61/594.023

(31) Priority Document No. 61/394,025 (32) Priority Date :02/02/2012 (33) Name of priority :U.S.A.

country (86) International .DCT/US201

Application No :PCT/US2013/024515

Filing Date :01/02/2013

(87) International :WO 2013/116786

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

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

1)SENEX BIOTECHNOLOGY INC.

Address of Applicant:715 Sumpter Street, Room 513, Coker

Life Science Building, Columbia, SC 29208 U.S.A.

(72)Name of Inventor:

1)ROBINSON, Igor, B.

2)PORTER, Donald, C.

3)WENTLAND, Mark, P.

## (57) Abstract:

The invention relates to the compounds and methods for inhibiting the Cyclin-Dependent Kinase Inhibitor (CDKI) pathway. More particularly, the invention relates to compounds and methods for inhibiting the CDKI pathway for studies of and intervention in senescence-related and other CDKI, related diseases. The invention provides new compounds having improved solubility and/or potency, and methods for their use. In various aspects, the invention relates to the treatment of cancer. The invention provides methods for chemoprevention and prevention of tumor recurrence or metastasis. The invention further provides diagnostic techniques for treatment for certain cancer types. The invention utilizes specific inhibitors of CDK8/19 and/or measurement of CDK8 levels in a patient.

No. of Pages: 54 No. of Claims: 39

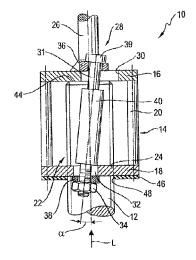
(22) Date of filing of Application :01/08/2014 (43) Publication Date : 31/10/2014

### (54) Title of the invention: SETTING TOOL AND METHOD FOR INSTALLING AN ANCHOR ROD

(51) International classification	:E21D20/00,B23B31/14	(71)Name of Applicant:
(31) Priority Document No	:10 2012 201 662.7	1)HILTI AKTIENGESELLSCHAFT
(32) Priority Date	:06/02/2012	Address of Applicant :FELDKIRCHERSTR. 100, FL-9494
(33) Name of priority country	:Germany	SCHAAN LIECHTENSTEIN
(86) International Application No	:PCT/EP2013/051623	(72)Name of Inventor:
Filing Date	:29/01/2013	1)GINTER, HERBERT
(87) International Publication No	:WO 2013/117456	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention relates to a setting tool (10) for inserting an anchor rod (12) into a bore hole filled with a curable mass or filled with a cartridge containing a curable mass, comprising a housing (14), which has a receptacle (22) for the anchor rod (12), into which the anchor rod (12) can be inserted in the longitudinal direction (L) and in which the anchor rod can be fixed. According to the invention, at least one clamping element (28) is present, which is associated with the receptacle (22) and is tilted at an angle ( $\alpha$ ) from the longitudinal axis of the receptacle (22) and is supported in a guide in the receptacle (22) in such a way that the clamping element (28) can be moved from a receiving position, in which the anchor rod (12) can be inserted into the receptacle (22) in the longitudinal direction (L), to a clamping position, in which the anchor rod (12) is fixed in the receptacle (22) in the circumferential direction, by rotating the housing (14) relative to the anchor rod (12), a force- and form-closed connection thus being established between the anchor rod (12) and the setting tool (10). The setting tool can be released from the anchor rod by simply rotating the setting tool opposite the setting direction.



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

(21) Application No.2430/KOLNP/2009 A

(19) INDIA

(22) Date of filing of Application :01/07/2009 (43) Publication Date : 31/10/2014

## (54) Title of the invention: PIPERIDINE GPCR AGONISTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C07D 413/04 :0700122.5 :04/01/2007 :U.K. :PCT/GB2008/050012 :04/01/2008 :WO 2008/081206 :NA :NA	(71)Name of Applicant:  1)PROSIDION LIMITED  Address of Applicant: WINDRUSH COURT, WATLINGTON RD, OXFORD OX4 6LT U.K. (72)Name of Inventor:  1)FYFE, MATTHEW, COLIN, THOR 2)KEILY, JOHN 3)PROCTER, MARTIN 4)STONEHOUSE, DAVID, FRENCH 5)SWAIN, SIMON, ANDREW
\ ,		
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Compounds of formula (I): or pharmaceutically acceptable salts thereof, are GPCR agonists and are useful as for the treatment of obesity and diabetes.

No. of Pages: 25 No. of Claims: 23

(21) Application No.379/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :04/04/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: WATER PROCCESSING ENGINE.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:E04H5/02 :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)SHASHIDHAR, NAVRATAN, RISHIKESH, RANJEET Address of Applicant: BHARTIYANAGAR, BATRAHA, WARD NO 26,SAHARSHA BIHAR (852201) India (72)Name of Inventor: 1)SHASHIDHAR, NAVRATAN, RISHIKESH, RANJEET
<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	

## (57) Abstract:

Doing work at gas which produce by water when we mixed none liquid and through passed electricity than a gas rilies, which is explosive gas it started the machine.

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

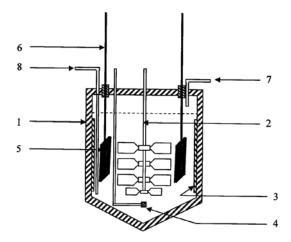
(22) Date of filing of Application: 12/10/2011 (43) Publication Date: 31/10/2014

# (54) Title of the invention: REACTOR ASSEMBLY FOR IMPROVING REACTION BETWEEN TWO IMMISCIBLE PHASES FOR METAL REDUCTION OF HYDROCARBONS

		(71)Name of Applicant :
(51) International classification (31) Priority Document No	:C07C 2/58 :NA	Address of Applicant :INDIAN OIL BHAVAN, 2, GARIAHAT ROAD (SOUTH), DHAKURIA, KOLKATA-
(32) Priority Date (33) Name of priority country	:NA :NA	700068, WEST BENGAL, INDIA (72)Name of Inventor:
(86) International Application No Filing Date	:NA :NA	1)MADHUSUDAN SAU 2)GANESH V. BUTLEY
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	3)YAMINI GUPTA 4)KARUMANCHI RAMESH 5)MAINAK SARKAR
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	5)MAINAK SARKAR 6)A. ARUN 7)BRIJESH KUMAR
rning Date	.NA	8)RAVINDRA KUMAR MALHOTRA

## (57) Abstract:

A reactor assembly (1) for improving reaction between two immiscible phases for metal reduction of hydrocarbons is disclosed, which is a modification of a CSTR type reactor assembly. A third gaseous phase is also present in the reactor. Metal plates (5) are provided, mounted on supporting rods (6) which are electrically insulated from the rest of the reactor. The metal plates are made of the same metal to avoid detachment of metal atoms from metal plates. The metal plates serve as the means of transferring only the electrons from the metal plates to the liquids in which they are fully immersed, so that the reaction is made more efficient.



No. of Pages: 16 No. of Claims: 15

(22) Date of filing of Application :19/02/2014 (43) Publication Date : 31/10/2014

# (54) Title of the invention: BAR WOUND STATOR WINDING LAYOUT WITH LONG-PITCHED AND SHORT-PITCHED COILS.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H02K 3/00 :13/869305 :24/04/2013 :U.S.A. :NA :NA :NA :NA :NA :NA	,
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### (57) Abstract:

A stator assembly includes a plurality of stator slots defining a plurality of slot layers. The assembly includes a plurality of hairpins each having respective first and second legs positioned in respective ones of the slot layers. Each of the hairpins is one of a short-pitched coil, a long-pitched coil and a full-pitched coil. The short-pitched, long-pitched and full-pitched coils are configured to extend over a first, second and third number of the stator slots, respectively. The hairpins may be divided into first, second, third, fourth, fifth and sixth hairpin layers. One of the hairpin layers includes at least one short-pitched coil, and another of the hairpin layers includes at least one long-pitched coil. The first, third and fifth hairpin layers each may include at least two short-pitched coils while the second, fourth and sixth hairpin layers each may include at least two long-pitched coils.

No. of Pages: 22 No. of Claims: 10

(22) Date of filing of Application :07/03/2011

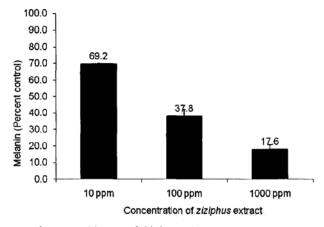
(43) Publication Date: 31/10/2014

## (54) Title of the invention: NOVEL TARGETS FOR SKIN LIGHTENING

<ul> <li>(51) International classification</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>	:A61K8/49, A61K8/60 :NA :NA :NA :NA	(71)Name of Applicant: 1)ITC LIMITED Address of Applicant: 37 J.L.Nehru Road Kolkata 700 071 State of West Bengal India. (72)Name of Inventor: 1)SREEDHAR Koushik V.
Filing Date	:NA	2)MURALI Deepa
(87) International Publication No	: NA	3)BHASKAR James Prabhanand
(61) Patent of Addition to Application Number	:NA	4)RAMAMURTHI Suresh
Filing Date	:NA	5)KRISHNAN Venkateswaran
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention provides a method of screening comprising one or more gene sequences of Sequence ID 1, Sequence ID 2, Sequence ID 3, Sequence ID 4, Sequence ID 5 and Sequence ID 6 for identification of actives that control melanin content that results in skin lightening. The present invention also provides a screening kit comprising primary Human Melanocytes; RNA extraction and qPCR reagents; specific primers for hit genes Sequence ID 1, Sequence ID 2, Sequence ID 3, Sequence ID 4, Sequence ID 5 and Sequence ID 6. A personal care composition comprising actives adapted to differentially regulate at least one of the genes selected from Sequence ID 1, Sequence ID 2, Sequence ID 3, Sequence ID 4, Sequence ID 6 is also provided.



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

(22) Date of filing of Application :27/03/2012 (43) Publication Date : 31/10/2014

## (54) Title of the invention: FLUID CATALYTIC CRACKING APPARATUS

		(71)Name of Applicant:
(51) International classification	:B01F5/04	1)INDIAN OIL CORPORATION LTD
(31) Priority Document No	:NA	Address of Applicant :INDIAN OIL BHAVAN, 2,
(32) Priority Date	:NA	GARIAHAT ROAD (SOUTH), DHAKURIA, KOLKATA-
(33) Name of priority country	:NA	700068, WEST BENGAL India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SADHULLAH MUKTHIYAR
(87) International Publication No	: NA	2)KUMARAN SATHEESH VETTERKUNNEL
(61) Patent of Addition to Application Number	:NA	3)BHATTACHARYA DEBASIS
Filing Date	:NA	4)SAIDULU GADARI
(62) Divisional to Application Number	:NA	5)KUKADE SOMNATH
Filing Date	:NA	6)KUMAR BRIJESH
-		7)RAJAGOPAL SANTANAM

#### (57) Abstract:

An apparatus for fluid catalytic cracking of hydrocarbon feed comprising of: (a) an annular downer reactor (5), concentric with an upflow regenerator (16) of circular cross section, which terminates in annular stripper (6), the stripper being concentric with the regenerator and the regenerator, reactor and stripper being in fluid connection with each other; (b) a plurality of conduits (11) equipped with individual slide valve (12) positioned between the stripper and the regenerator; (c) a catalyst holding vessel (1) positioned at the top of the reactor containing the regenerator termination device (17); (d) a radial catalyst distributor (3) is positioned concentric with the upflow regenerator and located between the regenerated catalyst holding vessel (1) and the annular downer reactor (5); and (e) an angular deflector plate (4) with an angle of inclination varying between 30° to 80° with horizontal and located below the catalyst distributor (3) and along the outer circumference of the up flow regenerator, to generate a curtain flow of catalyst into the annular downer reactor.

No. of Pages: 17 No. of Claims: 14

(21) Application No.384/KOL/2011 A

(19) INDIA

(22) Date of filing of Application :22/03/2011

(43) Publication Date: 31/10/2014

# (54) Title of the invention : APPARATUS AT A FLAT CARD OR ROLLER CARD HAVING A CLOTHED CYLINDER AND A NEIGHBOURING CLOTHED LICKER-IN

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:D01G15/28, D01G15/32 :102010022479.0 :02/06/2010 :Germany :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)TRÜTZSCHLER GMBH & CO. KG. Address of Applicant: DUVENSTRASSE 82-92, D-41199  MÖNCHENGLADBACH, GERMANY (72)Name of Inventor: 1)PAUL HOLLINSHEAD, C/CREU
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### (57) Abstract:

In an apparatus at a flat card or roller card having a clothed cylinder and a neighbouring clothed licker-in, which co-operate with one another with a small relative spacing between the cylindrical surfaces at the fibre transfer location (loosening region), wherein there is provided a suction device located in the cleft-shaped space formed by the envelope surface of the cylinder and the envelope surface of the licker-in, the at least one suction intake opening of that device is arranged near the cleft-shaped space. In order to make possible an increased suction effect and, as a result of reducing foreign matter, dust and the like, an improved product, the suction device reaches into the cleft-shaped space and is sealed with respect to the covers of the cylinder and of the licker-in.

No. of Pages: 13 No. of Claims: 18

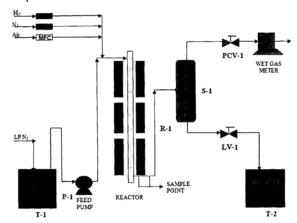
(22) Date of filing of Application :19/11/2010 (43) Publication Date : 31/10/2014

# (54) Title of the invention : INTEGRATED PROCESS FOR DEEP DESULFURIZATION OF DIESEL WITH REDUCED HYDROGEN CONSUMPTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C10G65/04 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)INDIAN, OIL CORPORATION LTD. Address of Applicant: INDIAN, OIL BHAVAN, 2, GARIAHAT ROAD (SOUTH) DHAKURIA, KOLKATA- 700068, WEST BENGAL India (72)Name of Inventor: 1)SARVESH KUMAR 2)ALOK SHARMA 3)BRIJESH KUMAR 4)SANTANAM RAJAGOPAL 5)RAVINDER KUMAR MALHOTRA 6)ANAND KUMAR
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### (57) Abstract:

The present invention relates to a novel process for desulfurization of diesel with reduced hydrogen consumption. More particularly the subject invention pertains to an integrated process comprising diesel hydro de-sulfurisation (DHDS) or diesel hydrotreatment (DHDT) with reduced severity to desulfurize high sulfur (1.0-2.0 wt%) diesel stream to a much lower level of sulfur content of 350 - 500 ppm in the depleted diesel stream, followed by a novel adsorption procedure for effecting deep desulfurization to reduce overall sulfur content to less than 10 ppm with reduced hydrogen consumption, as compared to high severity DHDS or DHDT procedures of the prior art.



No. of Pages: 19 No. of Claims: 11

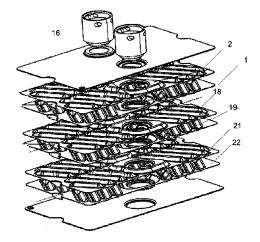
(22) Date of filing of Application :04/08/2014 (43) Publication Date : 31/10/2014

## (54) Title of the invention: PLATE HEAT EXCHANGER

(51) International classification	:B23K 35/00	(71)Name of Applicant:
(31) Priority Document No	:12161742.7	1)ALFA LAVAL CORPORATE AB
(32) Priority Date	:28/03/2012	Address of Applicant :P.O. BOX 73, SE-221 00 LUND,
(33) Name of priority country	:EPO	SWEDEN
(86) International Application No	:PCT/EP2013/056737	(72)Name of Inventor:
Filing Date	:28/03/2013	1)SJÖDIN, PER
(87) International Publication No	:WO 2013/144308	2)WALTER, KRISTIAN
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention relates to a method for producing a permanently joined plate heat exchanger (1) comprising a plurality of metal heat exchanger plates (2) having a solidus temperature above 1100 °C, provided beside each other and forming a plate package (3) with first plate interspaces (4) for a first medium and second plate interspaces (5) for a second medium, wherein the first and second plate interspaces (4, 5) are provided in an alternating order in the plate package (3). Each heat exchanger plate (2) comprises a heat transfer area (10) and an edge area (11) which extend around the heat transfer area (10). The heat transfer area (10) comprises a corrugation of elevations (18) and depressions (19), wherein said corrugation of the plates are provided by pressing the plates. The invention also relates to a plate heat exchanger (1) produced by the method.



No. of Pages: 48 No. of Claims: 29

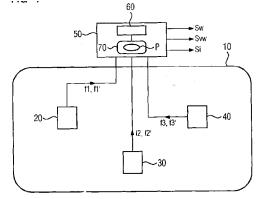
(22) Date of filing of Application :04/08/2014 (43) Publication Date : 31/10/2014

## (54) Title of the invention: MONITORING AN ELECTRICAL POWER SUPPLY 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</li> <li>Filing Date</li> </ul>	:H02J 3/38 :NA :NA :NA :NA :PCT/EP2012/053408 :29/02/2012 :WO 2013/127447 :NA :NA	(71)Name of Applicant:  1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant: WITTELSBACHERPLATZ 2, 80333 MÜNCHEN GERMANY (72)Name of Inventor: 1)ANDREAS LITZINGER 2)STEFAN PIEL
(61) Patent of Addition to Application	*	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates inter alia to a method for monitoring an electrical power supply network (10). According to the invention, a temporal frequency change value (f1, f2, f3) is determined for at least two sections or for at least two points of the power supply network (10), which value indicates the respective temporal frequency change of the network frequency, a conclusion is drawn regarding a possible islanding within the power supply network, and a warning signal (Sw) which indicates the possible islanding within the power supply network is generated when the difference between the frequency change values (f1, f2, f3) exceeds a predetermined frequency change threshold value (Dfmax).



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

(21) Application No.1627/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/08/2014

(43) Publication Date: 31/10/2014

## (54) Title of the invention: METHOD AND APPARATUS FOR THE TREATMENT OF EFFLUENTS FROM PRODUCTION PLANTS OF EPOXY COMPOUNDS

(51) International classification :C02F1/20,C02F1/467,B01D3/38 (71)Name of Applicant:

:NA

(31) Priority Document No :MI2012A000486 (32) Priority Date :27/03/2012

(33) Name of priority country :Italy

(86) International Application :PCT/EP2013/056564

:27/03/2013 Filing Date

(87) International Publication No:WO 2013/144227

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

(62) Divisional to Application :NA Number

Filing Date

1)INDUSTRIE DE NORA S.P.A.

Address of Applicant: Via Bistolfi 35, I-20134 Milan, Italy

(72)Name of Inventor:

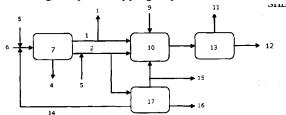
1)IACOPETTI, Luciano 2)MENEGHINI Giovanni

3)PORCINO, Gaetano

4)FAITA, Giuseppe

## (57) Abstract:

The invention relates to a process of abatement of the organic content of a depleted brine coming from epoxy compound production involving a vapour stripping step and a mineralisation with hypochlorite in two steps, at distinct pH and temperature conditions.



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

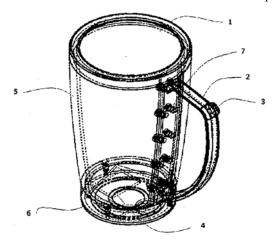
(22) Date of filing of Application :09/04/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention : AN INTELLIGENT FLUID CONSUMPTION MONITORING SYSTEM FOR DYNAMICALLY MONITOR CONSUMPTION OF FLUID BY A USER.

#### (57) Abstract:

An intelligent fluid monitoring system for dynamically monitoring change in fluid content in containers for controlled fluid content removal or consumption from the container by user comprising a container for storing of the fluid, sensory means disposed in said container for dynamically sensing content of the fluid in said container and hydration monitoring controller operatively connected with said sensory means adapted for analyzing sensory data generated by said sensory means to interpret the dynamic change in content of the fluid in discrete and/or in continuous manner and generating indications on reaching to a certain content level to ensure said controlled fluid content removal or consumption by the said user within a stipulated time period.



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

(19) INDIA

(22) Date of filing of Application :13/06/2014 (4.

(21) Application No.1279/KOLNP/2014 A

(43) Publication Date: 31/10/2014

## (54) Title of the invention: AN INSULATION COMPOSITION FOR ELECTRIC CABLE

(51) International classification	:C08L23/00	(71)Name of Applicant:
(31) Priority Document No	:60/935,309	1)GENERAL CABLE TECHNOLOGIES,CORP.
(32) Priority Date	:06/08/2007	Address of Applicant :4 TESSENEER DRIVE,HIGHLAND
(33) Name of priority country	:U.S.A.	HEIGHTS, KENTUCKY 41076 U.S.A.
(86) International Application No	:PCT/US2008/072351	(72)Name of Inventor:
Filing Date	:06/08/2008	1)EASTER,MARK R.
(87) International Publication No	:WO2009021050	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:630/KOLNP/2010	
Filed on	:18/02/2010	

### (57) Abstract:

Insulation compositions for electric power cables having a polyolefin base polymer and an additive comprising either low molecular weight wax or polyethylene glycol (PEG) and optionally further comprising one or more hindered amine light stabilizers, amine antioxidants and other antioxidant blends are disclosed. Also disclosed are insulation compositions comprising a C2 to C8 alpha olefin in combination with a polyethylene homopolymer together with, optionally, one or more hindered amine light stabilizer and a liquid cresol antioxidant.

No. of Pages: 45 No. of Claims: 7

(19) INDIA

(22) Date of filing of Application :30/07/2014

(21) Application No.1598/KOLNP/2014 A

(43) Publication Date: 31/10/2014

## (54) Title of the invention: PLATE HEAT EXCHANGER

(51) International classification	:B23K35/00, B23K35/02	(71)Name of Applicant: 1)ALFA LAVAL CORPORATE AB
(31) Priority Document No	:12161742.7	Address of Applicant :P.O. BOX 73, S- 22100 LUND,
(32) Priority Date	:28/03/2012	SWEDEN
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:PCT/EP2013/056604	1)SJÖDIN,PER
Filing Date	:27/03/2013	2)WALTER, KRISTIAN
(87) International Publication No	:WO 2013/144251	
(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 method for producing a permanently joined plate heat exchanger (1) comprising a plurality of metal heat exchanger plates (2) having a solidus temperature above 1100 °C, provided beside each other and forming a plate package (3) with first plate interspaces (4) for a first medium and second plate interspaces (5) for a second medium, wherein the first and second plate interspaces (4,5) are provided in an alternating order in the plate package (3), wherein each heat exchanger plate (2) comprises a heat transfer area (10) and an edge area (11) comprising bent edges(15) which extend around the heat transfer area (10), wherein a first surface (16) of the plates (2) forms a convex shape and a second surface (17) of the plates forms a concave shape wherein the heat transfer area (10) comprises a corrugation of elevations (18) and depressions (19), wherein said corrugation of the plates and the bent edges (15) are provided by pressing the plates. The invention also relates to a plate heat exchanger (1) produced by the method.

No. of Pages: 50 No. of Claims: 33

(19) INDIA

(22) Date of filing of Application :30/07/2014

(21) Application No.1599/KOLNP/2014 A

(43) Publication Date: 31/10/2014

## (54) Title of the invention: LINING WEAR ADJUSTMENT DEVICE FOR A DISC BRAKE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:B22C9/22 :10 2012 022 731.1 :10/02/2012	(71)Name of Applicant: 1)KNORR-BREMSE SYSTEME FÜR NUTZFAHRZEUGE GMBH
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:Germany :PCT/EP2013/052277	Address of Applicant :MOOSACHER STRASSE 80, 80809 MÜNCHEN, GERMANY
Filing Date	:06/02/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2013/117562	1)MILLER, BERNHARD
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A lining wear adjustment device (1) for a disc brake with a brake application device having a brake actuating lever (9), which can preferably be inserted into an adjustment spindle (3) of the disc brake, comprises an adjusting shaft (4) with an external bearing (26), a rotary drive element (11) and a clutch device (10) for switchable coupling of the rotary drive element (11) to the adjusting shaft (4). The clutch device (10) is designed to be switched electrically with at least one electromagnetic coil (16).

No. of Pages: 68 No. of Claims: 31

(22) Date of filing of Application :25/04/2013

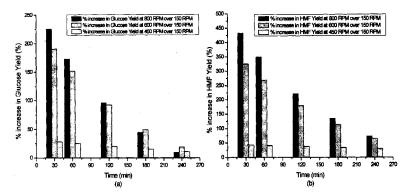
(43) Publication Date: 31/10/2014

# (54) Title of the invention : A PROCESS FOR IONIC LIQUID BASED CATALYTIC CONVERSION OF CELLULOSE TO FUEL 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> </ul>	:C07D 307/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)INDIAN INSTITUE OF TECHNOLOGY, KHARAGPUR Address of Applicant:SPONSORED RESEARCH & INDUSTRIAL CONSULTANCY, INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR-721302, WEST BENGAL, INDIA (72)Name of Inventor:
(87) International Publication No	: NA	1)CHAKRABORTY, DR SAIKAT
(61) Patent of Addition to Application Number	:NA	2)GAIKWAD, ASHWIN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A process of conversion of cellulosic substrates preferably cellulose is provided that is ionic liquid based catalytic conversion of cellulose adapted to maximize the production of fuel products from cellulose wherein said process in involving selective mixing speed and the temperature range in the said ionic liquid based catalytic process facilitates enhanced many-fold rise in yields of fuel products including selected from glucose, HMF (hydroxymethylfurfural), and LA (Levulinic Acid) from cellulose.



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

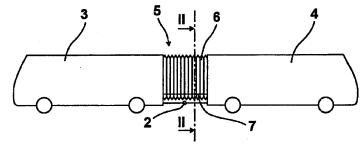
(22) Date of filing of Application :11/04/2014 (43) Publication Date : 31/10/2014

## (54) Title of the invention: A GANGWAY BETWEEN TWO ARTICULATELY CONNECTED VEHICLES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:EPO :NA :NA : NA :NA :NA	(71)Name of Applicant:  1)HÜBNER GMBH & CO. KG Address of Applicant: HEINRICH-HERTZ-STRASSE 2  34123 KASSEL GERMANY (72)Name of Inventor: 1)GOEBELS ANDRÉ 2)JÜNKE VOLKER
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A gangway (5) between two articulately connected vehicles (3, 4), comprising a bellows (6), with bellows corners (10) disposed in the corner region, with at least one bellows section (20) oriented horizontally in the mounted state, adjacent to the bellows corners (10), the horizontally oriented at least one bellows section (20) comprising a plurality of corrugations or pleats running transversely to the longitudinal axis of the vehicle, wherein in order to compensate for the reduced extension length resulting from a reduced depth of the individual corrugations or pleats in a horizontally oriented bellows section (20), the horizontally oriented bellows section (20) is configured so as to be inherently elastically resilient.



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

(21) Application No.1614/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/08/2014

(43) Publication Date: 31/10/2014

# (54) Title of the invention : SI-CONTAINING HIGH STRENGTH COLD ROLLED STEEL SHEET, PRODUCTION METHOD THEREFOR, AND VEHICLE MEMBER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:2012-040956 :28/02/2012 :Japan :PCT/JP2013/054716 :25/02/2013 :WO 2013/129295 :NA :NA	(71)Name of Applicant:  1)JFE STEEL CORPORATION  Address of Applicant: 2-3, UCHISAIWAI-CHO 2-CHOME, CHIYODA-KU, TOKYO 100-0011, JAPAN (72)Name of Inventor:  1)MASUOKA HIROYUKI 2)SUGIHARA REIKO 3)KAWANO TAKASHI
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A Si-containing high-strength cold rolled steel sheet has a chemical composition comprising C: 0.020.3 mass%, S: 0.82.0 mass% and the remainder being S: 0.82.0 mass% and S: 0.82.0 mass% and S: 0.82.0 mass% and S: 0.82.0 mass% and S: 0.82.0 mass%, S: 0.82.0 mass%

No. of Pages: 27 No. of Claims: 6

(22) Date of filing of Application :01/08/2014 (43) Publication Date : 31/10/2014

# (54) Title of the invention: RAIL COOLING METHOD AND RAIL COOLING DEVICE

		(71)Name of Applicant :
(51) International classification	:C21D 9/04	1)JFE STEEL CORPORATION
(31) Priority Document No	:PCT/JP2012/052345	Address of Applicant :2-3, UCHISAIWAI-CHO 2-CHOME,
(32) Priority Date	:02/02/2012	CHIYODA-KU, TOKYO 100-0011, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:PCT/JP2013/052355	1)RYO MATSUOKA
Filing Date	:01/02/2013	2)MAKOTO NAKASEKO
(87) International Publication No	:WO 2013/115364	3)RINYA KOJO
(61) Patent of Addition to Application	:NA	4)TOMOO HORITA
Number	:NA :NA	5)HIDEKI TAKAHASHI
Filing Date	.INA	6)YOSHIKAZU YOSHIDA
(62) Divisional to Application Number	:NA	7)TATSUMI KIMURA
Filing Date	:NA	8)MINEYASU TAKEMASA
		9)YUZURU KATAOKA

### (57) Abstract:

To uniformize mechanical characteristic values in the width direction of a base of a rail, a rail cooling device configured to forcibly cool the rail by jetting a coolant jets the coolant to the underside of the base of the rail from a porous plate nozzle 5b in which a nozzle hole 51a at an end in the width direction Y is smaller than a nozzle hole 51b at a central part in the width direction Y to cool the underside of the base of the rail, and causes a cooling capacity for the end in the width direction of the underside of the base of the rail to be lower than a cooling capacity for the central part in the width direction of the underside of the base of the rail. Accordingly, a flow rate of the coolant to the end in the width direction of the base of the rail is controlled, so that a difference between cooling speed at the end in the width direction of the base and cooling speed at the central part can be reduced and the mechanical characteristic values can become uniform in the width direction of the base of the rail.

No. of Pages: 28 No. of Claims: 4

(22) Date of filing of Application:01/08/2014 (43) Publication Date: 31/10/2014

### (54) Title of the invention: ZONE-DELINEATED PYROLYSIS APPARATUS FOR CONVERSION OF POLYMER WASTE

(51) International :C10G1/00,C01B31/00,G01N31/12 classification

(31) Priority Document No :61/596.876 :09/02/2012 (32) Priority Date (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2013/025335

:08/02/2013 Filing Date

(87) International Publication

:WO 2013/119941 No

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

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

(57) Abstract:

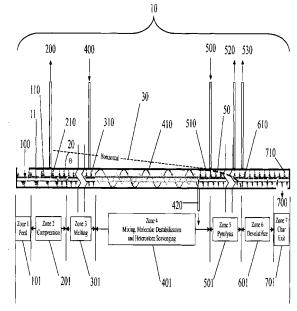
(71)Name of Applicant: 1)VADXX ENERGY LLC

Address of Applicant: 1768 E. 25th Street Cleveland, OH

44114, U.S.A.

(72) Name of Inventor: 1)ULLOM, William

Apparatus and method for pyrolyzing hydro carbonaceous materials to produce useful vapor and solid products comprising a generally cylindrical, linear reactor having a screw means for transporting hydro carbonaceous materials through said reactor, means for feeding and heating said hydro carbonaceous materials whereby they are processed and pyrolyzed to produce vapor and solid products; means for removing vapor products from said processed hydro carbonaceous materials, means for removing solid products, means whereby said hydrocarbonaceous material is maintained within a zone for a range of defined residence times, means for rotating said screw, which has a plurality of flight configurations for compressing, and for melting said hydro carbonaceous materials to convert them from a solid to a liquid, for mixing, destabilizing and dehalogenating said hydro carbonaceous materials, for pyrolyzing said hydro carbonaceous materials, for devolatilizing the pyrolyzed hydrocarbonaceous materials, and for discharging solid products.



No. of Pages: 41 No. of Claims: 28

(22) Date of filing of Application :26/04/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : A METHOD AND A SYSTEM FOR REDUCING POWER CONSUMPTION IN A PROCESSING DEVICE.

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	3/00 :NA :NA	(71)Name of Applicant:  1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant:WITTELSBACHERPLATZ 2, 80333 MÜNCHEN GERMANY
(33) Name of priority country (86) International Application No	:NA :NA	(72)Name of Inventor : 1)SUBASH G S
Filing Date	:NA	2)VISHNU SWAMINATHAN
(87) 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 and a system (15) for determining the operational parameters for a processing device (10) for reducing the power consumption in a processing device (10) are elucidated in the present invention. The method involves the determination of the optimum operating voltage (VDD1 215,VDD2 225,VDD3 235) and the optimum clock frequency (flmax, f2max,f3max) for the processing device (10) based on the deadline (86,91-93) of the work (300,310,320,330) executed by the processing device (10), and variation of the operating voltage (VDD) and the clock frequency (f) for controlling the active state time period (84,111) and the idle state time periods (85,150) such that the power consumed by the processing device (10) is reduced.

No. of Pages: 43 No. of Claims: 14

(21) Application No.1703/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :11/07/2012 (43) Publication Date : 31/10/2014

# (54) Title of the invention: DRAWER WHICH CAN BE DISMANTLED AND STACKED

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:23/12/2010 :WO/2011/085710 :NA :NA	(71)Name of Applicant:  1)FEHRE DESIGN GMBH  Address of Applicant : Römerstraβe 34 73560 Böbingen Germany (72)Name of Inventor:  1)FEHRE Jürgen
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The invention relates to drawer which can be dismantled and stacked

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

(22) Date of filing of Application :04/08/2009

(43) Publication Date: 31/10/2014

### (54) Title of the invention: TRANSMISSION FOR MOTOR AND CONTROLLING 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> </ul>	:F16H3/44 :10-2007-0004782 :16/01/2007 :Republic of Korea :PCT/KR2008/000278 :16/01/2008 :WO 2008/088169	(71)Name of Applicant:  1)MBI CO., LTD.  Address of Applicant:100-5, BOKDAE-DONG, HEUNGDUK-GU, CHEONGJU-SI, CHUNGCHEONGBUK-DO, 361-270 Republic of Korea (72)Name of Inventor:  1)JUNG, TAE-JIN
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)YOO, HYUK
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Disclosed therein is a transmission, which is adapted to have a deceleration structure while generating an output in the same direction as when a motive power is rotated forwardly when the motive power is rotated reversely. The transmission includes: a motor having a driving shaft; an output cover adapted to surround the outside of the motor and rotated by receiving a rotational force of the motor; fixed shafts adapted to extend toward both sides of the output cover; and a transmission formed between the driving shaft and the output cover. The transmission is selectively connected according to the rotational direction of the driving shaft to thereby provide an output at a constant speed or a reduced speed only in a predetermined direction. The transmission provides a constant speed output in the forward direction since the driving shaft and the output cover are directly connected to each other when the driving shaft is rotated forwardly, but provides a decelerated output in the forward direction since a reduction planetary gear is geared between the driving shaft and the output cover when the driving shaft is rotated reversely. In addition, a controlling device for automatically controlling the transmission for the motor according to a load applied to the output side is also provided.

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

(22) Date of filing of Application :20/08/2010 (43) Publication Date : 31/10/2014

### (54) Title of the invention: METHOD, SYSTEM AND DEVICE FOR CONTROLLING INTERACTIVE VIDEO 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</li> </ul>	:G06Q30/02 :200810084418.X : 21/03/2008 :China :PCT/CN2009/070648 :05/03/2009 :WO/2009/115006 :NA :NA	<ul> <li>(71)Name of Applicant:</li> <li>1)HUAWEI TECHNOLOGIES CO. LTD.  Address of Applicant: Huawei Administration Building Bantian Longgang District Shenzhen Guangdong 518129 P.R. China</li> <li>(72)Name of Inventor:</li> <li>1)LIAO Yongxiong</li> <li>2)JI Xiangyang</li> <li>3)LUO Wei</li> <li>4)JIA Zengli</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	, .

### (57) Abstract:

A method for controlling an interactive video service is provided. The method includes the following steps: receiving a control request sent by a terminal device; obtaining an identifier of a Set Top Box (STB) device corresponding to the terminal device; and controlling a media stream of the STB device corresponding to the identifier of the STB device according to the control request. A system and a device for controlling an interactive video service are also provided. Thus, through the interaction between the terminal device and a Video On Demand (VOD) system, the program guide browsing and on-demand control for the interactive video service are realized for STB users. Therefore, without significantly modifying the broadcast and television network, the problem that some STB users cannot use an interactive video service currently is solved. In addition, the STB users can perform operations such as program guide browsing, on-demand initiating, and on-demand session control on handset devices, so that desirable service experience is achieved.

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

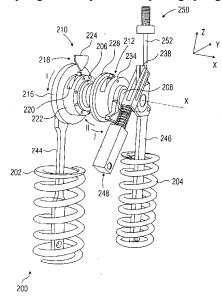
(22) Date of filing of Application :25/04/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: DRIVE MECHANISM 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> </ul>	71/00 :NA	(71)Name of Applicant:  1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant:WITTELSBACHERPLATZ 2, 80333 MÜNCHEN,GERMANY (72)Name of Inventor:  1)JAGDISH SHINDE 2)DINESH SONAWANE
(87) International Publication No	: NA :NA	ZJDINESH SONAWANE
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Abstract Drive mechanism for switchgear A drive mechanism suitable for use in a circuit breaker is disclosed. The drive mechanism comprises a closing spring assembly, an opening spring assembly, a main shaft, an auxiliary shaft. The main shaft and the auxiliary shaft are driven using a main driving assembly and an auxiliary driving assembly respectively. The auxiliary shaft is arranged substantially along an axial direction of the main shaft. The main shaft and the auxiliary shaft are coupled respectively to the closing spring assembly and the opening spring assembly and maintain them in one of a charged and a discharged state.



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

(22) Date of filing of Application :29/04/2013

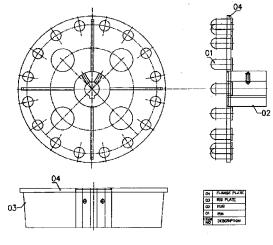
(43) Publication Date: 31/10/2014

# (54) Title of the invention : AN IMPROVED DRIVE DEVICE FOR RAPPING MECHANISM IN ELECTROSTATIC PRECIPITATORS TO ALLOW EFFECTIVE RAPPING OF COLLECTING ELECTRODE

(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 (81) Patent of Addition to Application Number Filing Date (82) Divisional to Application Number Filing Date (83) International Publication No Filing Date (84) Patent of Addition to Application Number Filing Date (85) Divisional to Application Number Filing Date (86) Divisional to Application Number Filing Date (87) International Publication Number Filing Date (88) International Publication Number Filing Date (89) International Classification Filing Date (80) International Classification Filing Date (81) International Classification Filing Date (81) International Classification Filing Date (82) International Classification Filing Date (83) International Classification Filing Date (84) International Classification Filing Date	(71)Name of Applicant:  1)BHARAT HEAVY ELECTRICALS LIMITED  Address of Applicant: BHARAT HEAVY ELECTRICALS  LIMITED REGION CAL OPERATIONS DIVISION(ROD),  PLOT NO:9/1, DJBLOCK 3RD FLOOR,  KARUNAMOYEE,SALTLAKE CITY, KOLKATA-700091,  HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI  FORT, NEW DELHI - 110049, INDIA.  (72)Name of Inventor:  1)SHANMUGAVELAYUTHAM SUBRA MANI  2)CHANDRASEKAR GANESH  3)KUMUDA BALLAV PADHI  4)ARJUNAN PARASURAMAN
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### (57) Abstract:

The invention relates to an improved drive device for rapping mechanism in Electrostatic Precipitators to allow effective rapping of collecting electrode, the improvement is characterized by: at least two pin-wheel assembly (05) are formed, each of the pin-wheel assembly (05) connecting to a rapping motor (06) at its first end, and the second end of the each pin-wheel assembly is attached to the rapping shaft (07) to allow transfer of an effective perpendicular motion from the motor (06) to the rapping shaft (07) via the pin-wheel assemblies (05), wherein each pin-wheel assembly is formed of a flange plate (04) configured with a plurality of holes accommodating the pins (01), a rib plate (03) provided to maintain flatness of the flange plate (04), and wherein a hub (02) is fixed to the flange plate (04) to enable insertably connect the motor shaft and the rapping shaft.



PIN WHEEL FOR SHAFT

No. of Pages: 14 No. of Claims: 4

(71)Name of Applicant:

15)KREIDL, Johann 16)VERHOEVEN, Marcel 17)SCHMITT, THOMAS

(19) INDIA

(22) Date of filing of Application :28/07/2014 (43) Publication Date : 31/10/2014

(54) Title of the invention: ROTARY PISTON PUMP

		(/1)1\ame of Applicant:
		1)NETZSCH MOHNOPUMPEN GMBH
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		19, 95100 SELB, GERMANY
		(72)Name of Inventor:
(51) International classification	:F04C 15/00	1)WEIGL, Stefan
(31) Priority Document No	:10 2012 033 067.3	2)DENK, Reinhard
(32) Priority Date	:17/02/2012	3)KAMAL, Hisham
(33) Name of priority country	:Germany	4)STRASSL, Josef
(86) International Application No	:PCT/DE2013/100044	5)KURZ, Robert
Filing Date	:07/02/2013	6)MURRENHOFF, Bernhard
(87) International Publication No	:WO 2013/120483	7)BOEHME, Thomas
(61) Patent of Addition to Application	:NA	8)HERR, Gunther
Number	:NA :NA	9)KNEIDL, Franz
Filing Date	.11/1	10)TEKNEYAN, Mikael
(62) Divisional to Application Number	:NA	11)GRADL, Matthias
Filing Date	:NA	12)WEBER, Erwin
		13)WILLIS, Roger
		14)KERN, Stefan

#### (57) Abstract:

The invention relates to a rotary piston pump, comprising at least two double-winged or multi-winged rotary pistons rotating in opposite directions, the drive shafts of which are provided with seals, wherein the seals are configured as slide ring seals or lip seals or packing gland seals, respectively arranged on a shaft extension of a respective rotary piston, and one slide ring per seal is provided with an arresting device that comprises a plurality of fixing positions. The seals are put on a tubular extension of the rotary piston, the rotary piston is inserted into the pump housing, the retaining element is connected to the slide ring seal in a form-locking manner by way of turning the rotary piston, and subsequently the shaft extension is rigidly connected to the drive shaft.

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

(21) Application No.1584/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :28/07/2014 (43) Publication Date : 31/10/2014

# (54) Title of the invention : ELECTIVE CONTROL OF AN ALTERNATING CURRENT MOTOR OR DIRECT CURRENT MOTOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H02M 7/42,H02P 7/285 :102012201269.9 :30/01/2012 :Germany :PCT/EP2013/050501 :11/01/2013 :WO 2013/113540 :NA :NA	(71)Name of Applicant:  1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant: WITTELSBACHERPLATZ 2, 80333 MÜNCHEN GERMANY (72)Name of Inventor: 1)MANFRED EDER 2)HANS-JÜRGEN TÖLLE
Filing Date	:NA	

## (57) Abstract:

The invention relates to a circuit assembly (1) and to a method for elective control of an alternating current motor (3) or direct current motor (2) supplied from a direct voltage source (4). The circuit assembly (1) comprises two converter modules (5, 6) having an equal number of half-bridges (7) and a number of bridge suction throttles (14.1, 14.2, 14.3) corresponding to the number of half-bridges (7) in a converter module (5, 6) and a control unit (12) for actuating the half-bridges (7) of the converter modules (5, 6). The converter modules (5, 6) are operated to control an alternating current motor (3) as an inverter and to control a direct current motor (2) as a direct voltage converter.

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

(22) Date of filing of Application :25/04/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: METHOD OF SYNTHESIS AND COMPOSITE 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</li> </ul>	30/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)MANDAL Dr. Swadhin K.  Address of Applicant: Mohanpur Campus, P.O Krishi Viswavidyalaya Mohanpur- 741252 Dist Nadia, West Bengal, INDIA  2)SANTRA, Subhankar
Filing Date (87) International Publication No	:NA : NA	(72)Name of Inventor : 1)MANDAL Dr. Swadhin K.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)SANTRA, Subhankar
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The subject matter provides a method of synthesis of a composite that provides dispersing a carbon derivative and a second compound in a solvent to obtain a mixture, wherein the second compound is a salt of a metal; and heating the mixture to alter chemical nature of the second compound and to form the composite in the mixture, wherein the composite includes nanoparticles of the metal anchored with the carbon derivate. The heating comprises heating the mixture at a temperature, wherein the temperature is selected from a range of temperature and the range of temperature is between a first temperature and a second temperature, wherein the first temperature is higher than temperature required for altering the chemical nature of the second compound and the second temperature is lower than temperature at which structural order of the carbon derivative deforms and wherein the first temperature is lower than the second temperature.

No. of Pages: 30 No. of Claims: 17

(22) Date of filing of Application :29/04/2013

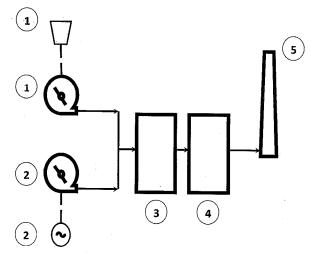
(43) Publication Date: 31/10/2014

# (54) Title of the invention: A METHOD FOR CHANGE-OVER OF THE OPERATION OF FORCED DRAFT FAN FROM ELECTRICAL STEAM MODE IN A STEAM GENERATOR DURING THE PLANT BLACK -OUT CONDITION

(51) International classification		(71)Name of Applicant:
` '	1/00	1)BHARAT HEAVY ELECTRICALS LIMITED
(31) Priority Document No	:NA	Address of Applicant :REGIONAL OPERATIONS
(32) Priority Date	:NA	DIVISION(ROD), PLOT NO:9/1, DJBLOCK 3RD FLOOR,
(33) Name of priority country	:NA	KARUNAMOYEE,SALTLAKE CITY, KOLKATA-700091,
(86) International Application No	:NA	HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI
Filing Date	:NA	FORT, NEW DELHI - 110049, INDIA.
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)LAYON ANTONY EVERESTUS FERNANDEZ
Filing Date	:NA	2)PERIYANNAN LAKSHMANAN PRAMILA
(62) Divisional to Application Number	:NA	3)VISWANATHAN MYTHILI
Filing Date	:NA	4)KALYANARAMAN KARTHIKEYAN

### (57) Abstract:

The invention relates to a method of operating a pressurized furnace type boiler with at least two forced draft fans wherein a variable steam turbine drive is provided to drive one forced draft fan, and an electrical variable speed drive is provided to drive the other forced draft fan, the fans caOn be operate in either of the variable or constant speed modes, characterized in that a selector means is provided for each individual fan to select the mode of operation, and in that the changeover operation to Steam turbine driven Forced draft fan is implemented by a combination of interlock and operator action.



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

(22) Date of filing of Application :19/11/2010 (43) Publication Date : 31/10/2014

# (54) Title of the invention : HIGH PERFORMANCE GEARBOX LUBRICANT WITH ENHANCED DRAIN POTENTIAL FOR HEAVY DUTY COMMERCIAL VEHICLES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F16H57/04 :NA :NA :NA :NA :NA : NA : NA :NA :NA	(71)Name of Applicant:  1)INDIAN OIL CORPORATION LTD Address of Applicant: INDIAN OIL BHAVAN, 2, GARIAHAT ROAD (SOUTH), DHAKURIA, KOLKATA- 700068 WEST BENGAL India (72)Name of Inventor: 1)S.S.V. RAMAKUMAR 2)V.K. BATHLA 3)R.T. MOOKKEN 4)K.P. NAITHANI 5)R.K. MALHOTRA 6)ANAND VERMA 7)S.RAVISHANKAR 8)S.VENKATESAN
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### (57) Abstract:

The invention discloses a high performance gearbox lubricant oil for heavy duty commercial vehicles, typically buses with city stop-and-go operations. The invented lubricant is an oil composition made from two base oils and a set of additive combination. One base oil is a paraffinic base oil belonging to API GP-I category having viscosity of 27-34 cSt at 100°C, and the second base oil is highly paraffinic API Gp-II base oil having a viscosity range of 8-12 cSt. This oil composition has a drain interval of about 80,000 kms, which is double the drain interval of conventional oils for similar application. In and after use, the lubricant retains its viscosity in the SAE 80W-90 grade, which is same as that offresh lubricant. The lubricant is compatible with other sources of oils meant for similar applications to eliminate separation and sedimentation of additives in case of a mix up. A process for producing this lubricant is also disclosed. The process comprises of mechanical stirring and controlled heating while mixing the additives with the base oils.

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

(22) Date of filing of Application :26/04/2013

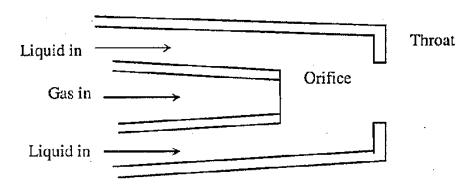
(43) Publication Date: 31/10/2014

# (54) Title of the invention : A CO-FLOW DEVICE TO MAKE A GEL MATRIX WITH EMBEDDED VOIDS OF SUB-MILLIMETER TUNABLE DIMENSIONS

<ul> <li>(51) International classification</li> <li>(31) 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>	1/00 :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)INDIAN INSTITUE OF TECHNOLOGY, KHARAGPUR Address of Applicant:SPONSORED RESEARCH & INDUSTRIAL CONSULTANCY, INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR-721302, WEST BENGAL, INDIA (72)Name of Inventor:
(87) International Publication No	: NA	1)GANGULY, DR. SOMENATH
(61) Patent of Addition to Application Number	:NA	2)BAL, DHARMENDRA KUMAR
Filing Date	:NA	3)PATRA, SUBHAJIT
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A co-flow device is provided adapted to generate controlled bubbles in substrates and a 3-D porous matrix/ structure is attained thereof preferably with embedded voids/ porosity wherein the void size and their alignment are controllable. The co-flow device of the present invention is cost-effective device/ system and provides a simple facile method for the formation of said porous matrix such as to the formation of a 3-D porous scaffold preferably a gel like scaffold. The device/ system of the present invention enables a 3-D porous gel like scaffold with enhanced porosity in the absence of any chemical and thermal treatment, whereby the porosity could be accurately controlled that advantageously favours enhanced uptake and release of drug and also finds end use and application in the field of pharmaceuticals, as support to matrix forming cells/ tissue Engineering (Biomedical Implant), as taste and feel enhancer of a salad dressing, ice cream (Food Processing), Lotion, shower gel (Skin Care Products), micro engineered materials (Optical Devices), Encapsulation.



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

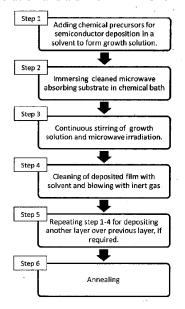
(22) Date of filing of Application :29/04/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention: A METHOD OF DEPOSITING A THIN LAYER OF SEMICONDUCTOR MATERIAL BY SELECTIVE HEATING OF A MICROWAVE ABSORBING SUBSTRATE TO REDUCE DEPOSITION TIME

### (57) Abstract:

The thin film semiconductors ranging from few nanometers to several micrometers find a variety of applications in sensors, field effect transistors, light emitting diodes and solar cells. These materials have properties different from bulk material which depend upon method of synthesis and other interrelating parameters. Various methods like sputtering, co-evaporation, chemical bath deposition, atomic layer deposition etc. have been used for deposition of thin film semiconductor material. These methods are constrained by complex processing, long deposition time and material wastage. A new method for deposition of thin semiconductor films by microwave irradiation over microwave absorbing material has been invented. The disclosed method deposits zinc sulfide (ZnS), indium sulfide (In2s3) and other semiconductor material over microwave absorbing substrate. The microwave absorbing substrate is immersed in solution of semiconductor precursors and exposed to microwave energy to react at the surface of substrate. The substrate is selectively heated by microwave irradiation, creating reaction initiation sites on substrate instead of bulk of growth solution and a uniform film is formed. Thus, disclosed method enhances the product yield and reduces time required for deposition.



No. of Pages: 19 No. of Claims: 8

(22) Date of filing of Application :03/07/2009

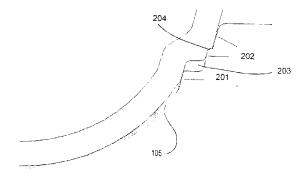
(43) Publication Date: 31/10/2014

## (54) Title of the invention: FREE FORM OPHTHALMIC LENS MOLD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B29C 33/10 :11/669,243 :31/01/2007 :U.S.A. :PCT/US2008/000881 :22/01/2008 :WO 2008/094428 :NA :NA :NA	(71)Name of Applicant:  1)JOHNSON & JOHNSON VISION CARE, INC. Address of Applicant:7500 CENTURION PARKWAY, SUITE 100 JACKSONVILLE, FL 32256 U.S.A. (72)Name of Inventor: 1)THOMAS R. ROONEY 2)GREGORY J. HOFMANN 3)SCOTT F. ANSELL 4)DAVID A. KATTERHENRY 5)TURE KINDT-LARSEN
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### (57) Abstract:

This invention includes methods and systems for forming an ophthalmic lens with a free form edge. In particular, the present invention provides a mold assembly including a vent portion around a circumference of a lens forming portion. A precision dose of lens forming mixture can be placed within the mold assembly to fill a lens forming portion of the mold assembly. Atmospheric gas may escape through the vent during lens assembly.



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

(22) Date of filing of Application :03/07/2009 (43) Publication Date : 31/10/2014

## (54) Title of the invention: A METHOD OF MANAGING ACCESS TO A DATA BASE AND A SYSTEM THEREOF

(51) International classification (71)Name of Applicant: :g06f17/30 (31) Priority Document No :PCT/US2001/20842 1)ORACLE INTERNATIONAL CORPORATION (32) Priority Date Address of Applicant :500 ORACLE PARKWAY. :28/06/2001 (33) Name of priority country MAILSTOP 50P7, REDWOOD SHORES, CA 94065 U.S.A. :U.S.A. (86) International Application No :PCT/US2001/20842 (72)Name of Inventor : Filing Date :28/06/2001 1)PUTZOLU, GIANFRANCO (87) International Publication No :WO/2003/003252 (61) Patent of Addition to Application :NA :NA Filing Date :01007/KOL (62) Divisional to Application Number NP/2003 Filed on :06/08/2003

#### (57) Abstract:

The invention relates to a method for transitioning ownership of a data item, the method comprising the steps of: a) disabling access to the data item; b) waiting for all transactions that have made changes to the data item to either commit or abort; c) if any transactions that made changes to the data item abort, then removing all changes to the data item that were made before access to the data item was disabled by the transactions that abort; d) changing data that indicates ownership of the data item from a first owner to a second owner; and e) enabling access to the data item.

No. of Pages: 35 No. of Claims: 18

(19) INDIA

(22) Date of filing of Application :03/07/2009

(21) Application No.2464/KOLNP/2009 A

(43) Publication Date: 31/10/2014

## (54) Title of the invention: A DATABASE SYSTEM AND A METHOD OF MANAGING ACCESS TO A DATA BASE

(51) International classification :g06f17/30 (31) Priority Document No :PCT/US2001/20842 (32) Priority Date :28/06/2001 (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2001/20842 (72)Name of Inventor : Filing Date :28/06/2001

(87) International Publication No :WO/2003/003252 (61) Patent of Addition to Application :NA

:NA Filing Date

:01007/KOL (62) Divisional to Application Number NP/2003 Filed on :06/08/2003

(71)Name of Applicant:

1)ORACLE INTERNATIONAL CORPORATION Address of Applicant :500 ORACLE PARKWAY. MAILSTOP 50P7, REDWOOD SHORES, CA 94065 U.S.A.

1)PUTZOLU, GIANFRANCO

#### (57) Abstract:

The invention relates to a database system comprising one or more persistent storage devices having a database stored thereon; a plurality of database servers executing on a plurality of nodes; wherein each node of said plurality of nodes has direct access to each of said one or more persistent storage devices; wherein at least a portion of said database is partitioned into a plurality of ownership groups; wherein each ownership group of said plurality of ownership groups is assigned an owner set, wherein at least one ownership group is assigned to an owner set that includes more than one node of said plurality of nodes; wherein only processes that are executing on database servers that are members of the owner set of an ownership group are allowed to directly access data within said ownership group.

No. of Pages: 32 No. of Claims: 20

(19) INDIA

(22) Date of filing of Application :03/07/2009

(21) Application No.2465/KOLNP/2009 A

(43) Publication Date: 31/10/2014

### (54) Title of the invention: A DATA BASE SYSTEM AND A METHOD OF MANAGING ACCESS TO A DATA BASE

(51) International classification:g06f17/30(31) Priority Document No:PCT/US2001/20842(32) Priority Date:28/06/2001(33) Name of priority country:U.S.A.(86) International Application No:PCT/US2001/20842

Filing Date :28/06/2001
(87) International Publication No :WO/2003/003252

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

(62) Divisional to Application Number Filed on :01007/KOL NP/2003 :06/08/2003 (71)Name of Applicant:

1)ORACLE INTERNATIONAL CORPORATION
Address of Applicant :500 ORACLE PARKWAY,
MAILSTOP 50P7, REDWOOD SHORES, CA 94065 U.S.A.

:PCT/US2001/20842 (72)Name of Inventor :

1)PUTZOLU, GIANFRANCO

#### (57) Abstract:

The invention related to a system for transitioning ownership of a data item from a first owner set to a second owner set, the system comprising a plurality of database servers; a database that includes the data item; a mechanism for managing access to the data item; wherein said plurality of database servers are informed that the data item is being transitioned from the first owner set to the second owner set; wherein the mechanism is configured to allow members of said first owner set and members of said second owner set to directly access said data item, after said plurality of database servers are informed; wherein data is stored that indicates that the second owner set is the exclusive owner of the data item; and wherein the mechanism is configured to allow only members of said second owner set to directly access the data item, after detecting that all transactions that are accessing said data item through said first owner set have either committed or aborted.

No. of Pages: 38 No. of Claims: 39

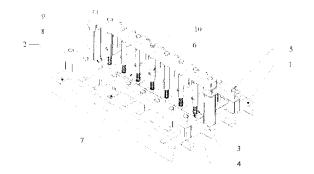
(22) Date of filing of Application :30/04/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: SINGLE LAP JOINT FIXTURE FOR ADHESIVE BONDED JOINTS.

(51) International classification	:C09J 163/00	(71)Name of Applicant: 1)INDIAN INSTITUTE OF
(31) Priority Document No	:NA	TECHNOLOGY,KHARAGPUR
(32) Priority Date	:NA	Address of Applicant :SPONSORED RESEARCH &
(33) Name of priority country	:NA	INDUSTRIAL CONSULTANCY, INDIAN INSTITUTE OF
(86) International Application No	:NA	TECHNOLOGY, KHARAGPUR-721302, WEST BENGAL,
Filing Date	:NA	INDIA.
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)PRADHAN, DR. SURESH CHANDRA
Filing Date	:NA	2)DEVADATHAN, SAJI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(==\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		

#### (57) Abstract:

The present invention relates to a single lap joint fixture for adhesive bonded joints of members employed in composite structures involving carbon fiber reinforced plastic(CFRP) adherents and epoxy adhesive that can control glue line thickness by applying desired controlled uniform bonding pressure ensuring required improved lap shear strength(LSS) in the resulting adhesive bonded joint. The fixture is capable to apply controlled uniform and optimum bonding pressure on the lap area of test specimen by compression of springs by providing load through rotation of nuts on bolts assembled to the fixture. Moreover, the fixture enable maintaining desired controlled uniform glue line thickness by providing a backup plate of required thickness placed below the top adherent of the single lap joint. The combined effect of optimum bonding pressure and required glue line thickness enable achieving desired improved lap shear strength for the bonded joint in a simple and reliable manner.



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

(22) Date of filing of Application :04/08/2014

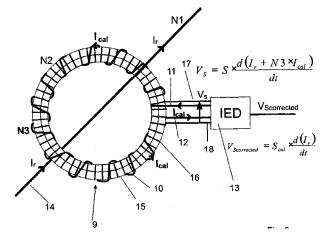
(43) Publication Date: 31/10/2014

# (54) Title of the invention : CURRENT TRANSDUCER OF THE ROGOWSKI TYPE AND ARRANGEMENT FOR MEASURING A CURRENT

<ul><li>(51) International classification</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>	:G01R15/18 :12002766.9 :20/04/2012 :EPO :PCT/FP2013/000916	(71)Name of Applicant:  1)ABB TECHNOLOGY AG  Address of Applicant: Affolternstrasse 44, CH-8050 Zürich, Switzerland (72)Name of Inventor:
Filing Date (87) International Publication No	:27/03/2013 :WO 2013/156104	1)PASCAL, Joris 2)MARET, Yannick
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)KAMMERER, Jean-Baptiste 4)DISSELNKÖTTER, Rolf
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention is about a current transducer of the Rogowski type, with a primary conductor winding having a first number of loops (N1) for carrying the rated current (IR) to be measured, with a secondary conductor winding having a pair of second terminals and a helical shape and a second number of loops (N2), said secondary conductor winding encircling the primary conductor in a toroidal manner, whereby a rated current voltage signal VS is induced between the pair of second terminals of the secondary winding, said rated current voltage signal being characteristic for the derivative of the rated current (dlR/dt), with a transducer electronics (IED) configured to receive the rated current voltage signal (VS), characterized in that the current transducer comprises a third conductor winding having a pair of third terminals with a third number of loops (N3), whereby the transducer electronics (IED) is configured to feed a calibration current signal (lCal) into the third conductor winding, whereby in response to the derivative of the calibration current signal (dl-Cal/dt) an additional calibration signal (Vcal) is created between the pair of second terminals of the second winding and whereby the transducer electronics (IED) is configured to process the rated current voltage signal (VS) and the calibration signal (Vcal) to derive a corrected voltage signal (VS,corrected) with a calibrated sensitivity Scal.



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

(19) INDIA

(22) Date of filing of Application :03/07/2009 (43) Publication Date : 31/10/2014

(54) Title of the invention: PESTICIDAL 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</li> </ul>	:A01N 51/00, :60/887,648 :01/02/2007 :U.S.A. :PCT/EP2008/050928 :28/01/2008 :WO 2008/092819 :NA :NA	(71)Name of Applicant:  1)BASF SE Address of Applicant:67056 LUDWIGSHAFEN Germany (72)Name of Inventor:  1)VOESTE, DIRK 2)HADEN, EGON
(62) Divisional to Application Number Filing Date	:NA :NA	
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(21) Application No.2457/KOLNP/2009 A

### (57) Abstract:

Pesticidal mixtures, comprising a) clothianidine of formula (I) and b) fluoxastrobin of formula (IT) in synergistically effective amounts, plant-protecting mixtures, compositions containing the mixtures, and to methods for controlling or preventing fungal infestation or harmful insects or nematodes in plants, and methods of improving the health of plants by applying said mixtures to the plants or the locus thereof.

No. of Pages: 32 No. of Claims: 23

(22) Date of filing of Application :03/07/2009

(43) Publication Date: 31/10/2014

# (54) Title of the invention : SURGICAL SYSTEMS AND METHODS FOR BIOFILM REMOVAL, INCLUDING A SHEATH FOR USE 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>	:A61M 1/00, :11/621,453 :09/01/2007 :U.S.A. :PCT/US2007/087696 :17/12/2007 :WO 2008/085668 :NA :NA :NA	(71)Name of Applicant:  1)MEDTRONIC XOMED, INC. Address of Applicant: 6743 SOUTHPOINT DRIVE, NORTH, JACKSONVILLE, FL 32216-0980 U.S.A. (72)Name of Inventor: 1)SLENKER, DALE E. 2)LEWIS CECIL O. 3)NORMAN, GEROULD W. 4)PRISCO, JOHN R.
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### (57) Abstract:

Systems, methods, and apparatuses for one or more of reducing, removing, or preventing growth of bacterial biofilms are provided, including an endoscopic procedure using a surgical instrament adapted to dispense a pressurized fow of irrigant through a nozzle to substantially remove a layer of bacterial biofilm.

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

(22) Date of filing of Application :03/07/2009

(43) Publication Date: 31/10/2014

# (54) Title of the invention : PESTICIDAL MIXTURES BASED ON AZOLOPYRIMIDINYLAMINES DERIVATIVES AND INSECTICIDES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A01N 43/90 :60/887,190 :30/01/2007 :U.S.A. :PCT/EP2008/050559 :18/01/2008 :WO 2008/092759 :NA :NA	(71)Name of Applicant:  1)BASF SE Address of Applicant:67056 LUDWIGSHAFEN Germany (72)Name of Inventor:  1)HABICHER, CHRISTINE  2)MERK, MICHAEL  3)VOESTE, DIRK  4)HADEN, EGON
Filing Date	:NA	

### (57) Abstract:

Pesticidal mixtures comprising a) azolopyrimidinylamines of the Formula (I), in which the substituents are as defined in the specification, and b) at least one insecticidal compound II as defined in the specification, plant-protecting mixtures, compositions containing the mixtures, and to methods for controlling or preventing fungal infestation or harmful insects or nematodes in plants, and methods of improving the health of plants by applying said mixtures to the plants or the locus thereof.

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

(22) Date of filing of Application :26/04/2013

(43) Publication Date: 31/10/2014

# (54) Title of the invention: DEVELOPMENT OF A SUSTAINED INTESTINAL RELEASE O/W/O ANDDROGRAPHOLIDE EMULSION FOR BETTER ORGANOLEPTIC AND THERAPEUTIC EFFICACY.

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	9/00 :NA :NA	(71)Name of Applicant:  1)INDIAN INSTITUE OF TECHNOLOGY Address of Applicant: KHARAGPUR-721302, WEST BENGAL, INDIA
(33) Name of priority country (86) International Application No	:NA :NA	(72)Name of Inventor : 1)ANALAVA MITRA
Filing Date	:NA	2)BAISHAKHI DEY
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

This invention relates to a process for the preparation of a sustained intestinal release andrographolide emulsion comprising the steps of dissolving an andrographolide in an edible oil to obtain a first solution, dissolving microcrystalline calcium carbonate and alginate to form a second solution, and adding a sweetener solution thereto, followed by polyanion additive polymers to obtain a third solution, dispersing the first solution to the third solution to obtain a dispersion, adding a surfactant solution to the dispersion and subjecting the same to homogenization in an ice-bath to obtain an andrographolide containing oil-in-alginate emulsion, dispersing the emulsion in paraffin oil and adding acetic acid thereto followed by calcium chloride solution containing a surfactant, to obtain gelled spheres in the emulsion, adding chitosan solution in acetic acid to the gelled spheres, to obtain the sustained release andrographolide.

No. of Pages: 43 No. of Claims: 14

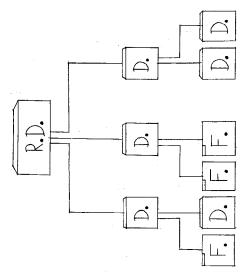
(22) Date of filing of Application :30/04/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: DATA SECURITY-MULTI-LAYER FOLDER LOCK WITH HIDING

(51) International classification		Name of Applicant :
(51) International elastification	21/00 <b>1)</b> F	REHAN GUHA
(31) Priority Document No	:NA A	ddress of Applicant :45, BOSE PUKUR PURBA PARA,
(32) Priority Date	:NA KOL	KATA-700107 WEST BENGAL, INDIA
(33) Name of priority country	:NA (72)	Name of Inventor :
(86) International Application No	:NA 1) <b>I</b>	REHAN GUHA
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	
(75) 41	<u> </u>	

#### (57) Abstract:

The invention is a computer program, method and process in which the ID-Data is locked with 5 tier protection system and the ID-Data also protected from rouge software. The software or the method is divided into two parts, for simplicity let us name the two parts as part1 and part2. 5 tier protection systems are as follows:- 1.Part1 and part2 of the same software should be present in the same directory to unlock the password protected hidden folder. 2.There can be more than one locked hidden folder in a computer system. But only one locked hidden folder can exist under a particular directory. 3.The name of the files (part1 and part2) should be proper to execute the above mentioned point 1. 4.The two passwords should be known by the user to gain access to the hidden folder where the ID-Data is kept. 5.The source code of the software is not accessible to anyone. The invented software is in the format of .exe. Decrypting the password is impossible for the unauthorized users. After the use of the ID-Data the user may lock the folder again. The folder is totally hidden from others and it is not traceable by any kind of software. The software can be used by anyone including users having low space in hard disk and/or no video memory in the computer.



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

(22) Date of filing of Application :29/04/2013

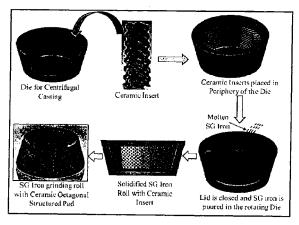
(43) Publication Date: 31/10/2014

# (54) Title of the invention : A FABRICATION PROCESS FOR HIGH STRENGTH WEAR RESISTANCE GRINDING ROLLS WITH ENHANCED PERFORMANCE AND HIGHER OPERATIONAL LIFE

		(71)Name of Applicant :
		1)BHARAT HEAVY ELECTRICALS LIMITED
(51) International classification	:B22D	Address of Applicant :BHARAT HEAVY ELECTRICALS
(31) International classification	11/00	LIMITED REGION CAL OPERATIONS DIVISION(ROD),
(31) Priority Document No	:NA	PLOT NO:9/1, DJBLOCK 3RD FLOOR,
(32) Priority Date	:NA	KARUNAMOYEE,SALTLAKE CITY, KOLKATA-700091,
(33) Name of priority country	:NA	HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI
(86) International Application No	:NA	FORT, NEW DELHI - 110049, INDIA.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)ANUP KUMAR KESHRI
(61) Patent of Addition to Application Number	:NA	2)RAGHUNANDAN SEELABOYINA
Filing Date	:NA	3)MANOJ KUMAR
(62) Divisional to Application Number	:NA	4)SARANG MAHAJAN
Filing Date	:NA	5)ALEKHYA VENKATA MADIRAJU
		6)KSHITIJ TANEJA
		7)KULVIR SINGH

### (57) Abstract:

The invention relates to a fabrication process for high strength wear resistance grinding rolls with enhanced performance and higher operational life, comprising the steps of: selecting at least three different types of ceramic materials having higher hardness and greater wear resistance compared to SG iron; crushing the selected materials in powder form, wherein the ceramic materials are selected as aluminium oxide (55-60 wt%) zirconium oxide (35-40 wt%) and titanium diboride (5-10 wt%); selecting a binder such as sodium silicate; mixing the ceramic powders with the binder; fabricating an octagonal structured carbon steel die; forming ceramic pads by casting the ceramic powder and binder mixture; sintering the ceramic pads at about 1400°C for about 2-3 hrs; and producing the grinding roll by reinforcing the ceramic pads in outer periphery of the die including pouring molten SG iron in the die.



No. of Pages: 15 No. of Claims: 2

(22) Date of filing of Application :26/04/2013 (43) Publication Date : 31/10/2014

(54) Title of the invention: AN ENHANCED MICRO -CONTROLLER BASED ASH LEVEL INDICATOR SWITCH FOR ON-LINE MONITORING OF ASH LEVEL IN THE HOPPER OF AN ELECTROSTATIC PRECIPITATOR.

(51) International classification	:G01R	(71)Name of Applicant :
(51) international classification	31/00	1)BHARAT HEAVY ELECTRICALS LIMITED
(31) Priority Document No	:NA	Address of Applicant :WITH ONE OF ITS REGIONAL
(32) Priority Date	:NA	OFFICES AT REGION CAL OPERATIONS DIVISION (ROD)
(33) Name of priority country		PLOT NO. 9/1, DJ BLOCK 3RD FLOOR KARUNAMOYYE,
(86) International Application No	:NA	SALT LAKE CITY, KOLKATA-700091 HAVING ITS
Filing Date	:NA	REGISTERED OFFICE AT BHEL HOUSE SIRI FORT, NEW
(87) International Publication No	: NA	DELHI-110049, INDIA
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ARUMUGAM MARIMUTHU
(62) Divisional to Application Number	:NA	2)DIVYA SASEENDRA PAL
Filing Date	:NA	3)AMIT BADHANI

### (57) Abstract:

The invention relates to a system for monitoring of Ash level in ESP hopper which is based on embedded hardware and which consists of multiple probes with sensor electrodes that are mounted on the ESP hoppers, the multiple sensor processing units feeding RF signal to the four probes, and a display unit communicates to multiple sensor processing units with a standard protocol, wherein the change in RF admittance between the probe and the hopper wall is converted to a change in the output voltage level by the sensor electronics, and wherein based on the feedback signal level from the sensor electronics, the sensor processing unit detects whether the hopper is filled with ash to the probe level.

No. of Pages: 11 No. of Claims: 3

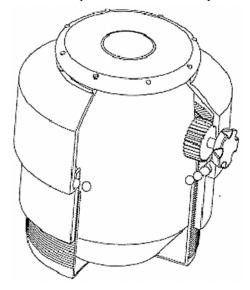
(22) Date of filing of Application :26/04/2013 (43) Publication Date : 31/10/2014

## (54) Title of the invention: METHOD AND APPARATUS FOR TUNING TABLA LIKE HAND-PLAYED MUSICAL DRUMS

<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>	:G10D 13/00 :NA :NA :NA	(71)Name of Applicant:  1)INDIAN INSTITUE OF TECHNOLOGY, KHARAGPUR Address of Applicant :SPONSORED RESEARCH & INDUSTRIAL CONSULTANCY, INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR-721302, WEST BENGAL,
(86) International Application No	:NA	INDIA
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PURKAYASTHA, DEEPIT
(61) Patent of Addition to Application Number	:NA	2)GOEL, AKASH
Filing Date	:NA	3)THONTEPU, NAVEEN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to an apparatus/a system for user friendly and effective tuning of skin tightening based variable tunable instruments including hand percussion instruments such as Indian Tabla for fast and accurate tuning of the instrument with less effort at the desired scale/frequency for performance in tune with accompanying vocal/instrumental music. The apparatus would enable tuning of such instruments very simply and readily with desired accuracy and minimum of effort such as by simply rotating a knob. Importantly, the apparatus is adapted for simple and ready installation with respect to conventional forms of Tabla and like hand percussion instruments which involve the tensioning of the skin top for generation of desired tunes/sound effects by way of relative displacement of the said tunable skin attached on top of such instrument. The apparatus would favour playing of such instruments with desired perfection and continuity much simply and with greater control.



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

(22) Date of filing of Application :29/04/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : AN AUTOMATICALLY RE-ORIENTABLE MODULAR TYPE SOLAR THERMAL SUN TRACKER FOR PHOTOVOLTAIC ARRAYS

	F2.41	
(51) International classification		(71)Name of Applicant:
	2/00	1)BHARAT HEAVY ELECTRICALS LIMITED
(31) Priority Document No	:NA	Address of Applicant : REGIONAL OPERATIONS
(32) Priority Date	:NA	DIVISION(ROD), PLOT NO:9/1, DJBLOCK 3RD FLOOR,
(33) Name of priority country	:NA	KARUNAMOYEE,SALTLAKE CITY, KOLKATA-700091,
(86) International Application No	:NA	HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI
Filing Date	:NA	FORT, NEW DELHI - 110049, INDIA.
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)RAMESH PAWER MAMIDI
Filing Date	:NA	2)SURYASIVAPRAKASH ALAPATI
(62) Divisional to Application Number	:NA	3)KOGANTI VENKATA PUSHPA RAMAKRISHNA RAO
Filing Date	:NA	

#### (57) Abstract:

The invention relates to an automatically re-orientable solar thermal sun Tracker for tracking the Sun from morning to evening to produce increased power output, comprising: a supporting device consisting of one each top, middle and bottom portion, the top portion formed of a panel fixing frame fixed on a rigid shaft detachably attaching a plurality of photovoltaic (PV) modules, the middle portion consisting of two pole members with a base plate affixed at a lower end, at the top end of the middle portion of the pole members, one each stopper angle is fixed to limit the movement angle of the panel fixing frame on East and West side, the stoppers provided with vibration dampers to dampen the vibrations and noise in case the tracker hits the stopper due to sudden high winds, the upper end of the each pole member having a plummer block bearings in which a shaft rigidly connected to the two pole members, the bottom portion of the pole member assembly accommodating the base plate of the middle portion rigidly fixed to a concrete base; at least two containers having volatile fluid located at the extreme ends of the panel fixing frame which rotates along East to West direction with the axis of rotation oriented North - South direction, the container flowably connected to each other via an interconnecting tube for fluid-transfer; a plurality of shadow casting covers provided to the container such that depending on the position of the sun, the covers allow the respective container distal to the sun rays to receive higher impingement generating a temperature differential of the volatile liquid in two containers which leads to inter-transfer of the liquid between the containers including application of gravitational force in the containers which causing the tracker to automatically tilt from West to East direction in the morning after the sunrise, and East to West direction during the day time, the tracker facing the west after the Sun set.

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

(22) Date of filing of Application :25/04/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : IMPROVED STEEL TRANSFER CAR GEAR BOXES PARTING LINE BOLTS FIXING ARRANGEMENT.

<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>	:B61F 15/00 :NA :NA :NA	(71)Name of Applicant:  1)TATA STEEL LIMITED  Address of Applicant :RESEARCH AND DEVELOPMENT AND SCIENTIFIC SERVICES DIVISION, JAMSHEDPUR- 831001, Jharkhand India
(86) International Application No	:NA	2)M/S ESSENTIAL POWER TRANSMISSION PVT.LTD.,
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)ASHISH SHARMA
(61) Patent of Addition to Application Number	:NA	2)RAJBIR SINGH TYAGI
Filing Date	:NA	3)MANISH KUMAR PANDEY
(62) Divisional to Application Number	:NA	4)T. THIRUMURUGAN
Filing Date	:NA	5)SAJIT R.NAIR

### (57) Abstract:

A steel transfer car gear boxes parting line bolts fixing arrangement consisting of a plurality of bolts passing through the holes made on the base of the gear boxes for parting line joining when a plurality of nuts engage the bolts coming out of the through holes fixing the bolt tightly.

No. of Pages: 9 No. of Claims: 2

(22) Date of filing of Application :29/04/2013

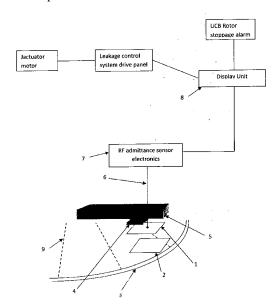
(43) Publication Date: 31/10/2014

(54) Title of the invention: 'A SENSING DEVICE FOR LEAKAGE CONTROL SYSTEM OF ROTARY REGENERATIVE AIR PRE-HEATER TO MAINTAIN OPTIMAL GAP SECTOR PLATE OF THE PRE-HEATER AND RADIAL SEALS OF THE ROTOR'

(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 Sina Filing Date (10) Filing Date (11) Filing Date (12) Filing Date (13) Filing Date (14) Filing Date (15) Filing Date (16) Patent of Addition to Application Number Filing Date (17) Filing Date (18) Filing Date	Address of Applicant REGION CAL OPERATIONS
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### (57) Abstract:

The invention relates to an RF Admittance based rotor position sensing device for leakage control system in Rotary Regenerative Air preheaters, comprising two conductive rectangular plates, one of which is stationary and mounted on the sector plate and a second passive which is fixed on the rotor periphery wherein an RF signal input is fed to the static sensor plate and RF admittance is measured in terms of variation of the signal strength, and wherein the pattern of variation is used to assess the leakage gap between the sector plate and the radial seals.



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

(22) Date of filing of Application :19/11/2010 (43) Publication Date : 31/10/2014

## (54) Title of the invention: COMPOSITON OF ECO-FRIENDLY OIL FOR JUTE BATCHING APPLICATION

(51) International classification :D01C1 (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)INDIAN, OIL CORPORATION LTD. Address of Applicant:INDIAN, OIL BHAVAN, 2, GARIAHAT ROAD (SOUTH) DHAKURIA, KOLKATA- 700068, West Bengal India (72)Name of Inventor: 1)PANKAJ BHATNAGAR 2)NATARAJAN SIVASURIAN 3)SIMMI DATTA 4)PATTATHILCHIRA VARGHESE JOSEPH 5)NAVEEN KUMAR POKHRIYAL 6)SUMAN MUKHERJEE 7)DEEPAK SAXENA 8)RAJAN THOMAS MOOKKEN 9)KANTA PRASAD NAITHANI 10)RAVINDER KUMAR MALHOTRA
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### (57) Abstract:

The invention discloses a composition of oil for the jute industry, particularly for jute batching application. The composition is free from PAH compounds, hence is non-carcinogenic. It is made from highly refined premium quality mineral base oil, mixed with carefully selected additives as emulsifiers. These are mixed to yield a readily emulsifiable product. It is further mixed with water for instantaneously preparing an oil-in-water emulsion which is sprayed on raw jute. The composition is bio-degradable, hence eco-friendly, non-toxic and results in lower consumption (>20%) as compared to existing products. It has non-ionic emulsifiers, it is colourless and odourless and is suitable for producing jute products meeting as per international requirements.

No. of Pages: 11 No. of Claims: 8

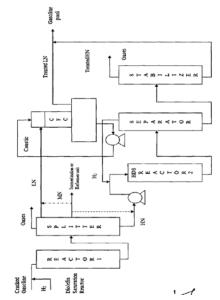
(22) Date of filing of Application :19/11/2010 (43) Publication Date : 31/10/2014

# (54) Title of the invention: PROCESS FOR DEEP DESULFURIZATION OF CRACKED GASOLINE WITH MINIMUM OCTANE LOSS

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:C10G65/04 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)INDIAN, OIL CORPORATION LTD. Address of Applicant: INDIAN, OIL BHAVAN, 2, GARIAHAT ROAD (SOUTH) DHAKURIA, KOLKATA- 700068, West Bengal India (72)Name of Inventor: 1)SARVESH KUMAR 2)ALOK SHARMA 3)BRIJESH KUMAR 4)SANTANAM RAJAGOPAL 5)RAVINDER KUMAR MALHOTRA 6)ANJU CHOPRA
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### (57) Abstract:

The present invention provides a process for deep desulphurization of cracked gasoline with minimum octane loss of about 1-2 units. In this process full range cracked gasoline from FCC, Coker, Visbreaker etc is sent to Diolefin Saturation Reactor for selective saturation of diolefins. After saturation of diolefins, the stream is sent to Splitter for splitting into three cuts i.e Light Cut (IBP-70°C), Intermediate Cut (70 - 90°C) and Heavy Cut (90 -210°C). The Light Cut which contains majority of the high octane olefins and mercaptan sulfur is desulfurized with caustic treatment using Continuous Film Contactor (CFC). The sulfur in the Intermediate Cut is also predominantly mercaptans and the cut can be desulfurised by caustic treatment using CFC along with Light cut or separately desulfurised before being sent for isomerization. The Heavy Cut containing mainly thiophinic sulfur compounds is treated either by using conventional HDS process or reactive adsorption process.



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

(21) Application No.191/KOLNP/2010 A

(19) INDIA

(22) Date of filing of Application :15/01/2010 (43) Publication Date : 31/10/2014

## (54) Title of the invention: REAGENT AND REAGENT KIT FOR ANALYSIS OF IMMATURE LEUKOCYTE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:G01N 33/49 :2007-166609 :25/06/2007 :Japan :PCT/JP2008/061572 :25/06/2008 :WO 2009/001868 :NA :NA :NA	(71)Name of Applicant:  1)SYSMEX CORPORATION  Address of Applicant:5-1, WAKINOHAMA-KAIGANDORI 1-CHOME, CHUO-KU, KOBE-SHI, HYOGO 651-0073 JAPAN (72)Name of Inventor:  1)KATAOKA, YUKIKO  2)TSUJI, TOMOHIRO 3)OGUNI, SHINICHIRO 4)YOSHIDA, AYUMU 5)ABE, MASAKI
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### (57) Abstract:

The present invention provides a reagent, for analysis of immature leukocytes comprising: a surfactant which can damage cell membranes of erythrocytes and mature leukocytes. a solubilizing agent which can shrink the damaged blood cells and a dye for staining nucleic acid, wherein the reagent has an osmotic pressure of not lower than 10 mOsm/kg and lower than 150 mOsm/kg.

No. of Pages: 47 No. of Claims: 13

(22) Date of filing of Application :27/06/2012 (43) Publication Date : 31/10/2014

## (54) Title of the invention: APPARATUS AND METHOD FOR GENERATING A TOOL MOTION

(51) International classification	:B25J7/00, C12M3/00	(71)Name of Applicant: 1)EPPENDORF AG
(31) Priority Document No	:09 015 977.3	Address of Applicant :Barkhausenweg 1 D-22339 Hamburg
(32) Priority Date	:23/12/2009	Germany
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:PCT/EP2010/007843	1)SCHIRR Andreas
Filing Date	:21/12/2010	2)LEMBKE Jens
(87) International Publication No	:WO/2011/076389	3)GRAFF Andreas
<ul> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA	
Filing Date	:NA	

### (57) Abstract:

The invention relates to an apparatus according to the present invention for generating the motion of a tool, in particular for the work on biological cell material, in particular for performing ICSI, comprises at least one actuator element, an actuated member, a motion section, at which can be arranged a tool and which is linked to the actuated member, the actuated member being elastically deformable, the actuator element being linked to the actuated member such that an actuation by the actuator element elastically deforms the actuated member by a distance, which corresponds to a length change of the actuated member, wherein said length change causes said motion of the motion section. Further, a corresponding method for generating a tool motion is provided.

No. of Pages: 34 No. of Claims: 15

(22) Date of filing of Application :25/04/2013

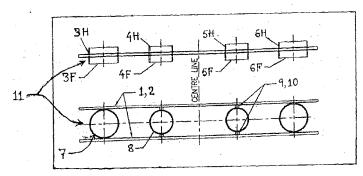
(43) Publication Date: 31/10/2014

(54) Title of the invention: A FIXTURE FOR PERFECT ALIGNMENT OF INTER-CONNECTING NOZZLES OF FEED STORAGE TANK AND HEATER OF A DEAERATOR IN A POWER PLANT AND THE PROCESSS FOR ASSEMBLING THE SAME.

(51) I	:B29D	(71)Name of Applicant:
(51) International classification	11/00	1)BHARAT HEAVY ELECTRICALS LIMITED
(31) Priority Document No	:NA	Address of Applicant :WITH ONE OF ITS REGIONAL
(32) Priority Date	:NA	OFFICES AT REGIONAL OPERATIONS DIVISION (ROD)
(33) Name of priority country	:NA	PLOT NO. 9/1, DJ BLOCK 3RD FLOOR KARUNAMOYEE,
(86) International Application No	:NA	SALT LAKE CITY, KOLKATA-700091 HAVING ITS
Filing Date	:NA	REGISTERED OFFICE AT BHEL HOUSE SIRI FORT, NEW
(87) International Publication No	: NA	DELHI-110049, INDIA
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)TAMIMA SRINIVAS NAGARAJ BHARGAV
(62) Divisional to Application Number	:NA	2)UMESH MENON
Filing Date	:NA	3)ANSUMAN RATH
(55) 11		•

### (57) Abstract:

The invention relates to a fixture for perfect alignment of inter-connecting nozzles of feed storage tank and heater of a Deaerator in a power plant and the process for assembling the same. The fixture (11) consists of two parallel channels (1, 2) joined to each other with welded pipe rings (7, 8) where smaller pipe rings are welded with the help of ribs at the marked place as derived from the position of down comers (3H, 6H) and equalizers (4H, 5H) welded in one of the vessel (12/13), in the openings created by marking. The developed fixture (11) with welded pipe rings is used to mark the position of the down comers and equalizers on the other vessel for making the openings and subsequent welding of the inter connecting nozzles. The Deaerator consisting of the Heater (12) and the Feed storage tank (13) are assembled at the position of inter-connecting nozzles.



No. of Pages: 15 No. of Claims: 2

(22) Date of filing of Application :29/04/2013

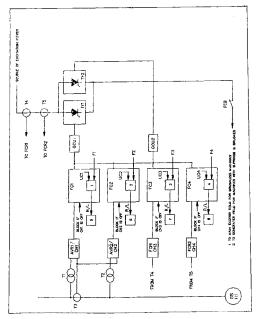
(43) Publication Date: 31/10/2014

## (54) Title of the invention: AUTOMATIC TRACKING IN MULTI CHANNEL EXCITATION CONTROL SYSTEMS

	JIOOD	(71)Nama of Applicants
(51) International classification		(71)Name of Applicant:
	9/00	1)BHARAT HEAVY ELECTRICALS LIMITED
(31) Priority Document No	:NA	Address of Applicant :REGIONAL OPERATIONS
(32) Priority Date	:NA	DIVISION(ROD), PLOT NO:9/1, DJBLOCK 3RD FLOOR,
(33) Name of priority country	:NA	KARUNAMOYEE,SALTLAKE CITY, KOLKATA-700091,
(86) International Application No	:NA	HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI
Filing Date	:NA	FORT, NEW DELHI - 110049, INDIA.
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)PRASANTA KUMAR DAS
Filing Date	:NA	2)RAJAMANI RUKMANI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
·		·

### (57) Abstract:

The invention provides a method for selection of control voltage of Regulation channels in excitation system of synchronous machine. The control voltage so selected is extended to the follow up control circuit available in each channel. With this, every stand by channel follows the operating channel, while on standby.



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

(21) Application No.503/KOL/2014 A

(19) INDIA

(22) Date of filing of Application :30/04/2014

(43) Publication Date: 31/10/2014

## (54) Title of the invention: MEDIUM HANDLING APPARATUS AND FINANCIAL DEVICE

(51) International classification	:G07D	(71)Name of Applicant:
(31) international classification	11/00	1)LG CNS CO., LTD.
(31) Priority Document No	:10-2013-	Address of Applicant :24, YEOUI-DAERO,
(31) Thomas Document No	0048062	YEONGDEUNGPO-GU, SEOUL, 150-881, REPUBLIC OF
(32) Priority Date	:30/04/2013	KOREA
(33) Name of priority country	:Republic	(72)Name of Inventor:
(33) Name of priority country	of Korea	1)LEE CHANGJIN
(86) International Application No	:NA	2)SHIN SANG HOON
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:

Provided is a medium handling apparatus. The medium handling apparatus comprises a guider to define a first space in which a medium to be deposited and a medium to be withdrawn are handled and a second space in which a rejected medium is handled and at least one pick-up roller to pick up the medium that is disposed in each of the first and second spaces.

No. of Pages: 73 No. of Claims: 23

(19) INDIA

(22) Date of filing of Application :30/06/2014

(21) Application No.1376/KOLNP/2014 A

(43) Publication Date: 31/10/2014

## (54) Title of the invention: HOT-DIP GALVANNEALED STEEL SHEET

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C22C38/00 :2012-000564 :05/01/2012 :Japan :PCT/JP2012/083671 :26/12/2012 :WO2013103117 :NA :NA	(71)Name of Applicant:  1)JFE STEEL CORPORATION Address of Applicant: 2-3,UCHISAIWAI-CHO 2-CHOME, CHIYODA-KU, TOKYO 100-0011, JAPAN (72)Name of Inventor: 1)HIDEKI NAGANO 2)DAISUKE HARAKO 3)YUJI TANAKA
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### (57) Abstract:

The objective of this invention is to provide a hot- dip galvannealed steel sheet having excellent chipping resistance and after-coating adherence while ensuring corrosion resistance. This hot-dip galvannealed steel sheet has a base material steel sheet having a predetermined component composition and a hot-dip galvannealing layer containing by mass 7-15% Fe provided on the base material steel sheet surface, wherein the hot-dip galvannealed steel sheet is characterized by containing within the hot-dip galvannealing layer at least 0.01% by mass of a precipitate including one or more elements selected from the group consisting of Ti, Nb, V, Mo, and W.

No. of Pages: 42 No. of Claims: 3

(10) DUDI A

(21) Application No.1378/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/06/2014 (43) Publication Date : 31/10/2014

## (54) Title of the invention: APPROACH SENSING 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>	:E02F9/26 :2012-4316 :12/01/2012 :Japan	Address of Applicant :1-2, OGURA 2-CHOME, YAHATAHIGASHI-KU, KITAKYUSHU-SHI, FUKUOKA
(86) International Application No Filing Date	:NA :NA	8058501, JAPAN (72)Name of Inventor :
(87) International Publication No	: NA	1)SAWADA, KIKUZO
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Provided is a proximity detection system which is capable of changing a level of alarm depending on a distance between a worker and an apparatus, and setting an alarm-generating distance in an apparatus-side unit. The proximity detection system comprises a magnetic field detecting function-equipped RFID tag attachable to a worker, and a distance detection control unit installable in a self-propelled apparatus. The magnetic field detecting function-equipped RFID tag is configured to be selectively set between a plurality of levels of magnetic field detecting sensitivity, and comprises means to intermittently transmit setup magnetic field detecting sensitivity data and magnetic field detection data. The distance detection control unit is configured to output different levels of alarm according to the data received from the RFID tag.

No. of Pages: 50 No. of Claims: 5

(22) Date of filing of Application :23/04/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: AN IMPROVED PROCESS FOR PRODUCTION OF MAGNETITE FROM HEMATITE

		(71)Name of Applicant :
<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:C22B 1/00 :NA	1)TATA STEEL LIMITED  Address of Applicant :RESEARCH AND DEVELOPMENT AND SCIENTIFIC SERVICES DIVISION, JAMSHEDPUR-
(32) Priority Date (33) Name of priority country	:NA :NA	831001, Jharkhand India 2) NATIONAL METALLURGICAL LABORATORY
(86) International Application No	:NA :NA	(72)Name of Inventor: 1)T. VENUGOPALAN
Filing Date (87) International Publication No	: NA	2)C. RAGHU KUMAR
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)PRIYA RANJAN RAY 4)D. C. SAU
(62) Divisional to Application Number	:NA	5)MANOJ KUMAR
Filing Date	:NA	6)M. K. RUNDA 7)RAKESH KUMAR

# (57) Abstract:

The invention relates to an improved process for production of magnetite from hematite, which comprises: forming hematite pellets of size in the range of 0.5 to 1 mm,drying the pellets at temperature ranging between 110 to 120 °C for a period of 12 to 15 hours, charging of the pellets into a fluidized bed reactor and raising the temperature in the range of 400-600 °C, mixing 6 to 18% of hydrogen with 82-94% of argon gas and passing through the reactor to fluidize for a reduction reaction at atmospheric pressure for a period ranging between 60 to 120 min, and cooling the mixture in an inert gas atmosphere to obtain the magnetite, and collecting the magnetite by known method.

No. of Pages: 13 No. of Claims: 6

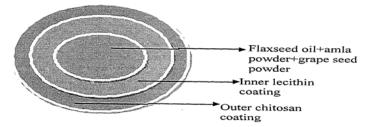
(22) Date of filing of Application :30/04/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: A NUTRACEUTICAL BUTTER FOR TREATING PSORIASIS & ECZEMA

:A61K38/46,	(71)Name of Applicant :
A61K31/525,	1)INDIAN INSTITUTE OF TECHNOLOGY
A61P 7/00	Address of Applicant :AN INDIAN INSTITUTE OF
:NA	KHARAGPUR 721 302, WEST BENGAL, INDIA.
:NA	(72)Name of Inventor:
:NA	1)ANALAVA MITRA
:NA	2)BAISHAKHI DEY
:NA	
: NA	
:NA	
:NA	
:NA	
:NA	
	A61K31/525, A61P 7/00 :NA :NA :NA :NA :NA :NA :NA :NA

### (57) Abstract:

This invention relates to a process for the preparation of a nutraceutical butter comprising the steps of preparing a primary emulsion by homogenizing flax seed oil with amla powder, with an aqueous phase containing lecithin to obtain a primary emulsion, preparing a solution of chitosan in water with acetic acid, adding the chitosan solution to the primary emulsion followed by homogenization to obtain the secondary emulsion of the nutraceutical butter.



No. of Pages: 21 No. of Claims: 6

(21) Application No.1162/KOL/2009 A

(19) INDIA

(22) Date of filing of Application :16/09/2009 (43) Publication Date : 31/10/2014

# (54) Title of the invention : STABLE FOAMED CEMENT SLURRY COMPOSITIONS AND METHODS FOR MAKING AND USING SAME

(51) International classification	:C04B12/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)CLEARWATER INTERNATIONAL, LLC
(32) Priority Date	:NA	Address of Applicant :515 POST OAK BOULEVARD,
(33) Name of priority country	:NA	SUITE 600, HOUSTON, TX 77027, U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KAKADJIAN, SARKIS, R.
(87) International Publication No	: NA	2)ZAMORA, FRANK
(61) Patent of Addition to Application Number	:NA	3)BRAMBLETT MARILYN, J.
Filing Date	:NA	4)ALLISON ALI, D
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A foamed cement composition is disclosed for utilization in performing a variety of well cementing operations, and to methods for making and using same. The foamed cement composition basically includes a cement, water sufficient to form a pumpable slurry, a gas sufficient to foam the slurry, a foaming agent and optionally a foam stabilizing agent.

No. of Pages: 20 No. of Claims: 26

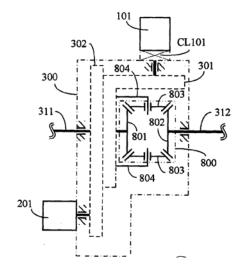
(22) Date of filing of Application :24/03/2011 (43) Publication Date : 31/10/2014

# (54) Title of the invention: DUAL GEAR TRAIN DRIVING STRUCTURE AT INPUT SIDE OF BASIN-TYPE GEAR

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  Filing Date :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>	B60K6/48 :12/662,258 :07/04/2011 :U.S.A. :NA :NA :NA :NA	(71)Name of Applicant:  1)TAI-HER YANG  Address of Applicant: NO. 59, CHUNG HSING 8 ST., SI-HU TOWN, DZAN-HWA, R.O.C. Taiwan (72)Name of Inventor:  1)TAI-HER YANG
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#### (57) Abstract:

For the dual gear train driving structure at input side of basin-type gear of the present invention, the differential gear set input rocker arm driven by the basin-type bevel gear in the differential gear set assembly is made to be driven by two sets of transmissions, in which the first transmission transmits the rotary kinetic energy between the differential gear set input rocker arm and the engine, the second transmission transmission transmissions drives the differential gear set input rocker arm and the second driving unit, and one or both of the transmissions drives the differential gear set input rocker arm.



No. of Pages: 63 No. of Claims: 16

(22) Date of filing of Application :25/04/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: METHOD OF SYNTHESIS MOLECULES USING CATALYST AND COMPOSITES THEREOF

(51) Inte national classification	:G02F 1/00	(71)Name of Applicant: 1)MANDAL Dr. Swadhin K.
(31) Priority Document No	:NA	Address of Applicant : Mohanpur Campus, P.O Krishi
(32) Priority Date	:NA	Viswavidyalaya Mohanpur- 741252 Dist Nadia, West Bengal,
(33) Name of priority country	:NA	INDIA
(86) International Application No	:NA	2)SANTRA, Subhankar
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MANDAL Dr. Swadhin K.
(61) Patent of Addition to Application Number	:NA	2)SANTRA, Subhankar
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(==\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		

#### (57) Abstract:

A method to synthesis a molecule is provided. The method employs a catalyst for a cross-coupling reaction. The catalyst and substrates are combined. The combination is supplied with a solvent to obtain a first mixture. The first mixture is heated for initiating cross coupling reaction. The heating of the first mixture is lower than a temperature at which the catalyst deforms. The catalyst is obtained by dispersing a carbon derivative and a second compound in a solvent to obtain a mixture, and heating the mixture to alter chemical nature of the second compound. The temperature to heat the mixture is selected from a range of temperature, wherein the range has a first and a second temperature. The first temperature is higher than a temperature at which chemical nature of the second compound is altered and the second temperature is lower than the temperature at which the carbon derivative deforms. The first temperature is lower than the second temperature.

No. of Pages: 32 No. of Claims: 16

(21) Application No.482/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :29/04/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : BIDIRECTIONAL WAVE LENGTH DIVISION MULTIPLEXING SYSTEM AND METHOD THEREOF

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	14/00 :NA	(71)Name of Applicant:  1)PRESIDENCY UNIVERSITY Address of Applicant:86/1, COLLEGE STREET, KOLKATA-700073, WEST BENGAL, INDIA (72)Name of Inventor: 1)BARUN RAY CHAUDHURI
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### (57) Abstract:

The present invention is provided with a bidirectional wavelength Division Multiplexing (WDM) system in fiber optical communication wherein a single pair of Light Emitting Diode (LED) is used both as a source and detector to generate direct optical modulation with either analog or digital signals.

No. of Pages: 24 No. of Claims: 4

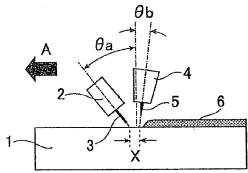
(22) Date of filing of Application :20/08/2014 (43) Publication Date : 31/10/2014

# (54) Title of the invention: LASER-ARC HYBRID WELDING METHOD

(51) International classification	:B23K26/20,B23K9/16	(71)Name of Applicant:
(31) Priority Document No	:2012-121481	1)JFE STEEL CORPORATION
(32) Priority Date	:29/05/2012	Address of Applicant :2-3, UCHISAIWAI-CHO 2-CHOME,
(33) Name of priority country	:Japan	CHIYODA-KU, TOKYO 1000011 JAPAN
(86) International Application No	:PCT/JP2013/003278	(72)Name of Inventor:
Filing Date	:23/05/2013	1)SUMI, HIROYUKI
(87) International Publication No	:WO 2013/179614	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

In a laser and arc hybrid welding method, workpieces to be welded are high strength steel sheets or plates with a tensile strength of not less than 780 MPa, consumable electrode arc welding is performed ahead of laser welding along the welding direction, the distance between the wire aim position in the arc welding and the laser beam irradiation position is in the range of 3 to 5 mm, the angle of electrode in the arc welding is tilted at a sweptback angle of 20 to 60° toward the welding direction, and the angle of incidence of a laser beam in the laser welding is in the range of 0 to 30° backward in the welding direction relative to the vertical direction.



No. of Pages: 22 No. of Claims: 3

(22) Date of filing of Application :21/08/2012

(43) Publication Date: 31/10/2014

(54) Title of the invention: WATERMARK GENERATOR, WATERMARK DECODER, METHOD FOR PROVIDING A WATERMARK SIGNAL, METHOD FOR PROVIDING BINARY MESSAGE DATA IN DEPENDENCE ON A WATERMARKED SIGNAL AND A COMPUTER PROGRAM USING IMPROVED SYNCHRONIZATION CONCEPT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:G10L19/00 :10154953.3 :26/02/2010 :EPO :PCT/EP2011/052852 :25/02/2011 :WO 2011/104365 :NA :NA	(71)Name of Applicant:  1)FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. Address of Applicant :Hansastraβe 27c, 80686 Muenchen, GERMANY (72)Name of Inventor: 1)WABNIK, Stefan 2)ZITZMANN, Reinhard 3)BLIEM, Tobias 4)GREEVENBOSCH, Bert 5)GRILL, Bernhard 6)EBERLEIN, Ernst 7)DEL GALDO, Giovanni 8)BREILING, Marco 9)KRÃ,,EGELOH, Stefan 10)BORSUM, Juliane 11)PICKEL, Jörg
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### (57) Abstract:

A watermark generator (2400) for providing a watermark signal (2420) in dependence on binary message data (2410), the watermark generator comprises an information spreader (2430) configured to spread an information unit to a plurality of time-frequency-domain values, to obtain a spread information representation (2432). The watermark generator also comprises a synchronization inserter configured to multiplicatively combine the spread information representation (2432) with a synchronization sequence (2442) to obtain a combined information-synchronization representation (304a So cf. m; 2444). The watermark generator also comprises a watermark signal provider (2450) configured to provide the watermark signal (2420) on the basis of the combined information-synchronization representation (2444). A watermark decoder, methods and computer programs are also described.

No. of Pages: 87 No. of Claims: 18

(19) INDIA

(22) Date of filing of Application :29/06/2009 (43) Publication Date : 31/10/2014

# (54) Title of the invention: COMPOSITIONS WITH MODULATING AGENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:A61K 9/12 :60/861,620 :29/11/2006 :U.S.A. :PCT/IB2007/004628 :29/11/2007 :WO 2008/152444 :NA	(71)Name of Applicant: 1)FOAMIX LTD. Address of Applicant: P.O. BOX 4038, 74140 NESS ZIONA Israel (72)Name of Inventor: 1)TAMARKIN, DOV 2)EINI, MEIR 3)FRIEDMAN, DORON
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(21) Application No.2403/KOLNP/2009 A

### (57) Abstract:

The present invention relates to a waterless composition and foam as a vehicle in which an active pharmaceutical or cosmetic agent, when added is stable or stabilized by or its destabilization is impeded by the presence of a modulating agent The pharmaceutical or cosmetic composition and foam, includes: a waterless solvent, a modulating agent and one or more active pharmaceutical or cosmetic agents. The present invention also relates to a method of treatment administering the waterless composition and foam.

No. of Pages: 134 No. of Claims: 15

(21) Application No.494/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :30/04/2013

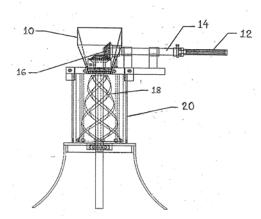
(43) Publication Date: 31/10/2014

# (54) Title of the invention: DESEEDING JUICE EXTRACTOR

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	1/36 :NA :NA	(71)Name of Applicant:  1)INDIAN INSTITUTE OF TECHNOLOGY, Address of Applicant: AN INDIAN INSTITUTE OF KHARAGPUR 721 302 WEST BENGAL, INDIA.
(33) Name of priority country (86) International Application No	:NA :NA	(72)Name of Inventor: 1)PROF. P.B.S. BHADORIA
Filing Date	:NA	2)DR. E.V. THOMAS
(87) 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 conical juice extractor machine to deseed and extract juice from a seeded fruit operable at a desired speed, wherein the force applied on handle rod (14) is transferred to a spiral connection (18) by meshing means (16), wherein the entire process is carried out in a single step.



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

(22) Date of filing of Application :30/04/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : A REFERENCING DIVICE FOR HMC TO MILL OFF TECHNOLOGICAL MATERIALS FROM LOCK TYPE-TURBINE BLADES

<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>	5/00 :NA :NA :NA	(71)Name of Applicant:  1)BHARAT HEAVY ELECTRICALS LIMITED  Address of Applicant :REGION CAL OPERATIONS  DIVISION(ROD), PLOT NO:9/1, DJBLOCK 3RD FLOOR,  KARUNAMOYEE,SALTLAKE CITY, KOLKATA-700091,
(86) International Application No	:NA	HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI
Filing Date	:NA	FORT, NEW DELHI - 110049, INDIA.
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)RAJIV KUMAR RAJAK
Filing Date	:NA	2)AMAR SINGH
(62) Divisional to Application Number	:NA	3)VINAY KR. SINGH
Filing Date	:NA	

### (57) Abstract:

The invention relates to a referencing device for HMC to mill off technological materials from lock type-turbine blades, comprising: a locating member having a vertically placed base plate provided with hexagonal threaded holes for inserting of one each fixing bolt and referencing bolt, a vertical column absent of a projected portion fixed to the base plate at a horizontal plane; and referencing member having a holding plate vertically located, a referencing bolt movably placed at upper end of the holding plate, and a fixing bolt fixed at lower end of the holding plate, wherein the locating member locates the referencing member at the opposite side of the lock type turbine blade when placed on a horizontal machining center (HMC), and wherein the referencing member takes reference at root end near fillet area so that the technological allowances can be milled off by the HMC.

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

(22) Date of filing of Application :16/12/2009 (43) Publication Date : 31/10/2014

# (54) Title of the invention: STEAM TURBINE BLADE AND METHOD FOR MANUFACTURING THE SAME

(51) International classification	:F01D5/28	(71)Name of Applicant :
(31) Priority Document No	:2008-	1)KABUSHIKI KAISHA TOSHIBA
(+ -)	335313	Address of Applicant :1-1, SHIBAURA 1-CHOME,
(32) Priority Date	:26/12/2008	MINATO-KU, TOKYO 105-8001 JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)AKIO SAYANO
Filing Date	:NA	2)MASASHI TAKAHASHI
(87) International Publication No	: NA	3)MASAHIRO SAITO
(61) Patent of Addition to Application Number	:NA	4)KAZUYOSHI NAKAJIMA
Filing Date	:NA	5)JIANSHUN HUANG
(62) Divisional to Application Number	:NA	6)KAZUHIKO MORI
Filing Date	:NA	

#### (57) Abstract:

A steam turbine blade includes a coating film formed at at least a portion of a surface of the steam turbine blade, the coating film containing a ceramic matrix and nanosheet particles dispersed in the ceramic matrix. The steam turbine blade is employed as one of stator blades or one of rotor blades in a steam turbine. The steam turbine includes a turbine rotor, the rotor blades implanted in the turbine rotor, the stator blades provided in an upstream side of the corresponding rotor blades, and a turbine casing supporting the stator blades and accommodating turbine rotor, the rotor blades and the stator blades. The steam turbine is also configured such that the rotor blades axe paired with the corresponding stator blades to form turbine stages arranged in an axial direction of the turbine rotor, thereby forming steam paths.

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

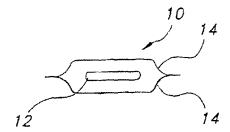
(22) Date of filing of Application :15/07/2009 (43) Publication Date : 31/10/2014

# (54) Title of the invention: HIGH DOSE FILM COMPOSITIONS AND METHODS OF PREPARATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A61K 9/70 :60/880,085 :12/01/2007 :U.S.A. :PCT/US2008/051015 :14/01/2008 :WO 2008/089151 :NA :NA	(71)Name of Applicant:  1)MONOSOL RX, LLC Address of Applicant:6560 MELTON ROAD, PORTAGE, IN U.S.A. (72)Name of Inventor: 1)MYERS, GARRY, L.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

This invention relates to films incorporating high amounts of pharmaceutical agents and methods for the preparation of the same. Moreover, the invention relates to the film products and methods of their preparation that demonstrate a non-self-aggregating uniform heterogeneity. Desirably, the films disintegrate in water and may be formed by a controlled drying process, or other process that maintains the required uniformity of the film. Desirably, the films contain a pharmaceutical and/or cosmetic active agent with no more than a 10 % variance of the active agent pharmaceutical and/or cosmetic active agent per unit area of the film.



No. of Pages: 92 No. of Claims: 54

(21) Application No.2603/KOLNP/2009 A

(19) INDIA

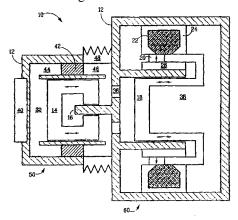
(22) Date of filing of Application :15/07/2009 (43) Publication Date : 31/10/2014

# (54) Title of the invention: FREE PISTON STIRLING ENGINE CONTROL

(51) International classification	:F02G1/053	(71)Name of Applicant:
(31) Priority Document No	:60/484392	1)TIAX LLC
(32) Priority Date	:02/07/2003	Address of Applicant :15 ACORN PARK, CAMBRIDGE
(33) Name of priority country	:U.S.A.	MASSACHUSETTS U.S.A.
(86) International Application No	:PCT/US2004/021289	(72)Name of Inventor:
Filing Date	:01/07/2004	1)CHERTOK, ALLAN
(87) International Publication No	:WO/2005/003543	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.INA	
(62) Divisional to Application Number	:2719/KOLNP/2005	
Filed on	:29/12/2005	

# (57) Abstract:

A control system for a free piston Stirling engine, the free piston Stirling engine having a power piston, the control system comprising:
a) an electromagnetic transducer in mechanical communication with the power piston; and b) a controllable oscillatory power system in electrical communication with the electromagnetic transducer, the system being capable of delivering power to or receiving power from the electromagnetic transducer while enforcing a prescribed amplitude and prescribed frequency of the voltage at the terminais of the electromagnetic transducer.



No. of Pages: 49 No. of Claims: 20

(21) Application No.470/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :26/04/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: A MACHINE FOR MACERATING WITHERED TEA LEAVES.

	. 4.22E	(71)Nama of Amilian 4.
(51) International classification	3/00	(71)Name of Applicant : 1)INDIAN INSTITUE OF TECHNOLOGY
(31) Priority Document No	:NA	Address of Applicant :INDIAN INSTITUTE OF
(32) Priority Date	:NA	KHARAGPUR 721 302 WEST BENGAL, INDIA
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)MR. DILIP KUMAR KUSHWAHA
Filing Date	:NA	2)PROF. EDATHIPARAMBIL VAREED THOMAS
(87) International Publication No	: NA	3)PROF. BISWAJIT MAITI
(61) Patent of Addition to Application Number	:NA	4)MR. BIJOY CHANDRA GHOSH
Filing Date	:NA	•
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
7		

### (57) Abstract:

The present invention is provided with a horizontal Maceration Machine for performing three course action to withered tea leaves wherein comprises series of rotors, plurality of holding blades of different geometrical shape and liner with grooves of predefined dimensions, wherein the said three course action of cutting tearing and curling is finished by a single cut.

No. of Pages: 11 No. of Claims: 3

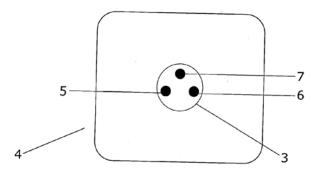
(22) Date of filing of Application :11/04/2012 (43) Publication Date : 31/10/2014

# (54) Title of the invention: A RAPID KIT FOR THE SIMULTANEOUS, DIFFERENTIAL AND ACCURATE DETECTION OF HIV -1 AND HIV -2 ANTIBODIES PREASENT IN HUMAN SERUM OR PLASMA OR WHOLE BLOOD

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C07K 16/00 :NA :NA	(71)Name of Applicant:  1)MAHAJAN; LALIT Address of Applicant:1-D, MANHAR MAHAL, 4 BAKUL BAGAN ROW, BEHIND LANSDOWNE MKT, KOLKATA-
(33) Name of priority country	:NA	700025, West Bengal India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MAHAJAN; LALIT
(87) 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 flow through diagnostic kit for the early simultaneous and differential detection of HIV 1 antibodies and HIV 2 antibodies present in human serum or plasma or whole blood. The device comprises of two test dots (5, 6) and one control dot (7). The test dots are for the detection of HIV 1 antibodies and HIV2 antibodies. The HIV1 test dot is immobilized with gp160 antigens and HIV2 test dot is immobilized with gp36 antigens.



No. of Pages: 23 No. of Claims: 8

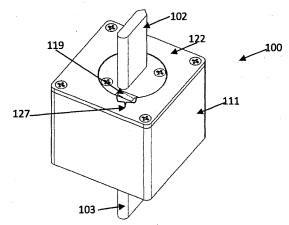
(22) Date of filing of Application :30/04/2013 (43) Publication Date : 31/10/2014

### (54) Title of the invention: SINGLE FUSE 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></ul>	:H01H 85/00 :NA :NA :NA	(71)Name of Applicant:  1)SCHNEIDER ELECTRIC INDUSTRIES SAS Address of Applicant: 35, RUE JOSEPH MONIER, F-92500 RUEIL MALMAISON, FRANCE (72)Name of Inventor:
(86) International Application No	:NA	1)KARTHIK SATYANARAYANAN
Filing Date (87) International Publication No	:NA : NA	2)KINNARY RAITHATHA
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

The present invention provides a single fuse assembly (100) comprising: - a fuse element (101), - an incoming busbar (102) and am outgoing busbar (103) as fuse contacts, the incoming busbar (102) is configured to be connected to an external power source (not shown), the electrical connection between the incoming busbar (102) and the outgoing busbar (103) being established through said fuse element (101), - a barrel unit (107) disposed between the incoming busbar (102) and the outgoing busba(103), - the arc chute (112), as an arc quenching device, disposed adjacent to the fuse element (101) for quenching the electric arc produced on failure of said fuse element (101), - a housing (111) for accommodating said fuse element (101), said arc chute (112), said busbars (102,103) and said barrel unit (107), - a pair of covers (122,123) for shielding the fuse element (101), the barrel unit (107) and the arc chute (112), - and a pair of fuse retainers (104). Preferably, the invented single fuse assembly is provided with a fuse-blown-out indication system comprising of a blown-out-indicator wire (118), an blown-out-indicator flag (119) and a cover sheet (120) for retaining blown-out-indicator wire (118) for indicating the burning and/or blowing out of the fuse element (101).



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

(22) Date of filing of Application :22/01/2010

(21) Application No.275/KOLNP/2010 A

(43) Publication Date: 31/10/2014

# (54) Title of the invention: OPTICAL FIBER FUSION SPLICER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:G02B 6/255 :10-2007-0061665 :22/06/2007 :Republic of Korea :PCT/KR2008/003533 :20/06/2008 :WO 2009/002054 :NA :NA	(71)Name of Applicant:  1)ILSINTECH CO., LTD.  Address of Applicant:703, GWANPYEONG-DONG, YUSEONG-GU, DAEJEON 305-509, Republic of Korea (72)Name of Inventor:  1)SONG, JAE SEOP  2)JUN, SANG CHUL 3)SEO, YOUNG BAE
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### (57) Abstract:

(19) INDIA

An optical fiber fusion splicer (1) includes a body (10); a joining part (20) disposed on the top portion of the body (10) to join ends of two optical fibers (2); a heating part (30) disposed on the top portion of the body to fuse a sleeve pipe (3) to the optical fibers, which are joined to each other; a monitor (40) disposed on the top portion of the body to monitor the connection state of the optical fibers; an operating part (50) disposed in the body to operate the joining part, the heating part (30) and the monitor (40); and a fixing part (60) detachably disposed on the top surface of the body so as to be positioned on one portion of the joining part. The sleeve pipe (3), which will be fused to the optical fibers (2), is fitted on the fixing part (60).

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

(22) Date of filing of Application :07/03/2011 (43) Publication Date : 31/10/2014

# (54) Title of the invention: INTAKE MANIFOLD REFILL AND HOLDING CONTROL SYSTEMS AND METHODS

(51) International classification	:F02D41/04	(71)Name of Applicant:
(31) Priority Document No	:61/350,120	1)GM GLOBAL TECHNOLOGY OPERATIONS LLC
(32) Priority Date	:01/06/2010	Address of Applicant :300 GM RENAISSANCE CENTER,
(33) Name of priority country	:U.S.A.	DETROIT, MICHIGAN 48265-3000, U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)QI MA,
(87) International Publication No	: NA	2)ROBERT DOUGLAS SHAFTO
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		•

### (57) Abstract:

An engine control system for an auto-stop/start vehicle includes an auto- stop/start module and an actuator control module. The auto-stop/start module selectively generates an auto-stop command for shutting down an engine while an ignition is in an ON state. The actuator control module disables fuel to the engine when the auto-stop command is generated and closes a throttle valve to a predetermined throttle opening when the auto-stop command is generated.

No. of Pages: 35 No. of Claims: 9

(22) Date of filing of Application :25/04/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention: A PROCESS FOR REGENERATING SILVER SURFACE IN IN BUSBAR ELECTRODE AND ALLIED PRODUCTS.

		(71)Name of Applicant :
<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>		1)BHARAT HEAVY ELECTRICALS LIMITED  Address of Applicant :WITH ONE OF ITS REGIONAL OFFICES AT REGION CAL OPERATIONS DIVISION (ROD)
(32) Priority Date		PLOT NO. 9/1, DJ BLOCK 3RD FLOOR KARUNAMOYEE, SALT LAKE CITY, KOLKATA-700091 HAVING ITS
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>		REGISTERED OFFICE AT BHEL HOUSE SIRI FORT, NEW
Filing Date	:NA	DELHI-110049, INDIA
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	(72)Name of Inventor : 1)SUKUMAR ROY
Filing Date	:NA	2)SADANAND ACHARI
(62) Divisional to Application Number	:NA	3)NEELAM BHOGAL
Filing Date	:NA	4)HEMRAM PATEL 5)RAHUL GROVER

### (57) Abstract:

The invention relates to a wet chemical method for rapidly removing both organic and inorganic impurities from silver surfaces of silver-electroplated electrodes used in busbars comprising the steps of immersing the electrodes into an organic solvent and treating the immersed electrodes ultra-sonically for a period of 5 - 15 minutes; wiping out the excess solvent from the silver surface of the electrodes by cloth and thereby removing the organic contaminations or matter/s or compounds, producing thereby organic-contaminations free electrodes; forming first a solution of either sodium carbonate or sodium bi- carbonate in water with predetermined concentration (Solution A); forming a second solution of sodium chloride in water with predetermined concentration (Solution B); forming a third solution of sodium sulphite in water with predetermined concentration (Solution C); mixing all the solutions i.e. (Solution A + Solution B + Solution C) in pre-determined proportions in a container made out of glass, stainless steel or aluminium metal and thereby preparing a mixed solution; wrapping/covering the organic-contamination free electrodes in perforated aluminium foil of about 1 mm diameter with regular pattern of holes to ensure that the electrodes are in contact with the foil; dipping the aluminium-wrapped silver electrodes or articles into the mixed solution; heating the mixed solution at a specified temperature for a period of 10-30 minutes; and taking out the electrode from the aluminium foil and washing the electrode with tap water and soaking the surface water by a cloth or tissue wrapper followed by drying at room temperature resulting a silver surface free from all inorganic contaminants of the electrode.

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

(22) Date of filing of Application :01/07/2009

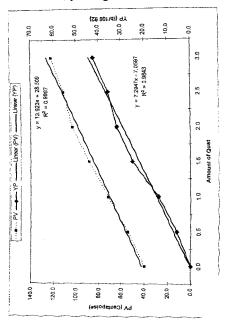
(43) Publication Date: 31/10/2014

# (54) Title of the invention : COMPOSITIONS COMPRISING QUATERNARY MATERIAL AND SOREL CEMENTS AND METHODS OF SERVICING A WELLBORE WITH THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C04B 22/06 :11/622,356 :11/01/2007 :U.S.A. :PCT/GB2008/000026 :07/01/2008 :WO 2008/084200 :NA :NA :NA	(71)Name of Applicant:  1)HALLIBURTON ENERGY SERVICES, INC Address of Applicant: PO BOX 1431, DUNCAN, OK 73533 U.S.A. (72)Name of Inventor: 1)LEWIS, SAMUEL, J. 2)GORDON, CHRISTOPHER, L. 3)SZYMANSKI, MICHAEL, J.
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### (57) Abstract:

A wellbore servicing composition is described comprising a metal oxide, a soluble salt and a viscosifier wherein the viscosifier comprises a quaternary amide, a quaternary amide ester, or combinations thereof. A method of servicing a wellbore in contact with a subterranean formation is also described, the method comprising viscosifying a cement composition comprising a metal oxide and a soluble salt, placing the viscosified cement composition in the wellbore, and allowing the composition to set.



No. of Pages: 25 No. of Claims: 44

(19) INDIA

(22) Date of filing of Application:01/07/2009

(21) Application No.2429/KOLNP/2009 A

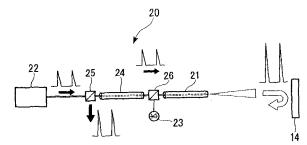
(43) Publication Date: 31/10/2014

# (54) Title of the invention: FIBER LASER

(51) International classification	:H01S 3/06,H01S 3/30	(71)Name of Applicant: 1)FUJIKURA LTD.
<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:2007-030274 :09/02/2007 :Japan :PCT/JP2008/052168 :08/02/2008 :WO 2008/096863 :NA :NA	Address of Applicant :5-1, KIBA 1-CHOME, KOHTOH-KU, TOKYO 1358512 Japan (72)Name of Inventor :
Filing Date	:NA	

### (57) Abstract:

A fiber laser is provided with a signal light source for outputting signal light, and a rare earth element doped fiber which amplifies the signal light outputted from the signal light source and outputs it The fiber laser is further provided with a Raman amplification fiber, which is arranged as a part of a light transmitting path for outputting the light outputted from the rare earth element doped fiber to the external, and a wavelength selecting element, which is arranged on the light transmitting path from the Raman amplification fiber to the signal light source and does not transmit Stokes light generated at the Raman amplification fiber.



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

(19) INDIA

(22) Date of filing of Application :15/01/2010

(21) Application No.190/KOLNP/2010 A

(43) Publication Date: 31/10/2014

# (54) Title of the invention: WELDING METHOD FOR T-JOINT

(51) International classification	:B23K 9/02,B23K 9/095	(71)Name of Applicant: 1)HITACHI CONSTRUCTION MACHINERY CO. LTD.
(31) Priority Document No	:2007-266531	Address of Applicant :5-1, KORAKU 2-CHOME, BUNKYO-
(32) Priority Date	:12/10/2007	KU, TOKYO 112-0004 JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:PCT/JP2008/067989	1)NAKAJIMA, TORU
Filing Date	:26/09/2008	2)YAMAMOTO, HIKARU
(87) International Publication No	:WO 2009/048017	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

In a plate assembling step, a gap (5) is formed between a leading end portion (3A) of a groove (3) provided on an upright plate (2) and a lower plate (1). In this state, in a first welding step, an arc is generated from a welding wire (7) toward a back surface (3C) side of the groove (3) through the gap (5), to form a satisfactory penetration bead (8) on the back surface (3C) side of the groove (3). Next, in a second welding step, the welding wire (7), the lower plate (1), the groove (3) of the upright plate (2) and the penetration bead (8) are fused to form a first-layer welding bead (9), thereby firmly joining the lower plate (1) and the groove (3) of the upright plate (2). In this case, since the first welding step and the second welding step can be performed continuously after performing the plate assembling step, it is possible to enhance workability at the time of welding the lower plate (1) and the upright plate (2).

No. of Pages: 48 No. of Claims: 7

(21) Application No.471/KOL/2014 A

(19) INDIA

(22) Date of filing of Application :17/04/2014 (43) Publication Date : 31/10/2014

# (54) Title of the invention: DEVICE FOR DRAWING OFF FLUID OF A CENTRIFUGATION DEVICE.

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:B01L 3/00 :13002115.7 :23/04/2013 :EPO :NA	l '
Filing Date (87) International Publication No	:NA : NA	1)DANIELE CASA
<ul><li>(61) Patent of Addition to Application Number</li><li>Filing Date</li><li>(62) Divisional to Application Number</li><li>Filing Date</li></ul>	:NA :NA :NA :NA	

### (57) Abstract:

The invention relates to a device for drawing off fluid of a centrifugation device, particularly for separating at least one fluid, with a disk (10) with channels (12, 12). It is characterized by adjustable vanes. This allows to change the property of the disk and thus treat liquids with different properties without disassembling the separator. Therefore there is no dead time during working time and an easy adjustment of the disk.

No. of Pages: 11 No. of Claims: 8

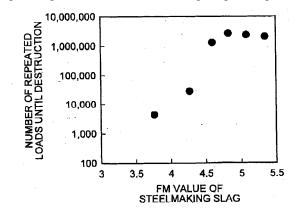
(22) Date of filing of Application :30/04/2013 (43) Publication Date : 31/10/2014

# (54) Title of the invention : METHOD OF MANUFACTURING HYDRATED HARDENED SOLID AND HYDRATED HARDENED SOLID.

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) None of content of the co</li></ul>	5/00 :NA :NA	(71)Name of Applicant:  1)JFE STEEL CORPORATION Address of Applicant:2-3,UCHISAIWAI-CHO 2-CHOME, CHIYODA-KU, TOKYO 100-0011 JAPAN
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:NA :NA	(72)Name of Inventor : 1)TAKAHASHI KATSUNORI
Filing Date	:NA	2)MATSUNAGA HISAHIRO
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	3)WATANABE KEIJI 4)KUWAYAMA MICHIHIRO
Filing Date	:NA	5)YAMAGUCHI KOJI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method of manufacturing a hydrated hardened solid by which a hydrated hardened solid having high durability in an environment in which repeated stress is applied is obtainable. The method of manufacturing a hydrated hardened solid is a method of manufacturing a hydrated hardened solid by kneading, with water, steelmaking slag and a substance containing SiO2, and the method includes: using, as the steelmaking slag, steelmaking slag having: a powdering ratio, after being immersed in hot water at 80°C for ten days, of equal to or less than 2.5% by mass; and a fineness modulus of equal to or greater than 4.5; and using, as the substance containing SiO2, ground granulated blast furnace slag, or ground granulated blast furnace slag and fly ash.



No. of Pages: 21 No. of Claims: 9

# PUBLICATION U/S 84(3) IN RESPECT OF APPLICATION FOR RESTORATION OF PATENT (DELHI)

Notice is hereby given that any person interested in opposing the following application for restoration of Patent under Section 60 of the Patent Act, 1970 may at any time within 2 months from the date of Publication of this notification, give a notice to the Controller of Patent at the appropriate office on the prescribed form 14 under Rule 85 of the Patent Rules, 2003.

PATENT	APPLICANTS	TITLE	DATE OF	APPROPRIA
NO.			CESSATI	TE OFFICE
			ON	
242642	THE CHIEF	A PROCESS FOR THE	31/10/2013	DELHI
	CONTROLLER, MINISTRY OF	PREPARATION OF		
	DEFENCE(India	NICKEL BASE SUPER		
		ALLOYS		
209146	CHURAMONI SEN	A DEVICE FOR	10/06/2013	DELHI
		CONTROLLING		
		POLLUTION		
241655	FRESENIUS KABI	CONNECTOR FOR	22/01/2011	DELHI
	DEUTSCHLAND	PACKINGS		
	GMBH.(Germany)	CONTAINING		
	, , , , , , , , , , , , , , , , , , , ,	MEDICAL LIQUIDS,		
		AND		
		CORRESPONDING		
		PACKING FOR		
		MEDICAL LIQUIDS		

# Publication Under Section 43(2) in Respect of the Grant

Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.

Ser ial Nu mb er	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	263360	6868/DELNP/2008	26/02/2007	28/02/2006	PROCESS FOR THE PREPARATION OF THE ALPHA CRYSTALLINE FORM OF THE ARGININE SALT OF PERINDOPRIL OF COMPOUND OF FORMULA (I)	LES LABORATOIRES SERVIER	24/10/2008	DELHI
2	263363	5633/DELNP/2007	27/01/2006	27/01/2005	A LOCKING MECHANISM FOR AN ENCAPSULATED MANIFOLD AND CARTRIDGE	ECO WATER SYSTEMS, LLC	10/08/2007	DELHI
3	263366	7327/DELNP/2006	27/05/2005	27/05/2004	A RECOMBINANT VECTOR CONSTRUCT COMPRISING A FIRST NUCLEIC ACID AND A SECOND NUCLEIC ACID	CERES, INC.	22/06/2007	DELHI
4	263370	543/DEL/2009	20/03/2009		A SYSTEM FOR AUTOMATED ASEPTIC FUSION AND CONNECTION OF TUBES	MAHAJAN; NITIN	17/04/2009	DELHI
5	263379	5003/DELNP/2005	26/01/2004	09/05/2003	LINEAR TIME CODE RECEIVER	GVBB HOLDINGS S.A.R.L	07/12/2007	DELHI
6	263381	4908/DELNP/2008	01/12/2006	05/12/2005	A METHOD TO INCREASE THE PRODUCTION OF A DESIRED CHEMICAL COMPOUND IN A MICROORGANISM	DSM IP ASSETS B.V.	26/09/2008	DELHI
7	263382	778/DEL/2005	31/03/2005		A MACHINE FOR CONTINUOUS DESKINNING OF SUGARCANES	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH	31/07/2009	DELHI
8	263384	1766/DELNP/2004	20/12/2002	28/12/2001	CONFOCAL IMAGING EQUIPMENT IN PARTICULAR FOR ENDOSCOPE	MAUNA KEA TECHNOLOGIES,	30/03/2007	DELHI
9	263385	01239/DELNP/200 3	08/02/2002	13/02/2001	METHOD OF EFFECTING THE NON-MACHINING FORMING OF A BRAKE CALIPER AS WELL AS A BRAKE CALIPER FORMED WITHOUT MACHINING	LUCAS AUTOMOTIVE GMBH,TRW SYSTEMES DE FREINAGE S.A.S.	25/11/2005	DELHI

10	263386	5218/DELNP/2007	21/12/2005	22/12/2004	APPARATUS AND METHOD FOR EFFICIENT TRANSMISSION OF ACKNOWLEDGEMENTS	QUALCOMM INCORPORATED	17/08/2007	DELHI
11	263387	3169/DELNP/2006	06/12/2004	16/12/2003	A FUEL COMBUSTION METHOD	L'AIR LIQUIDE, SOCIETE ANONYME A DIRECTOIRE ET CONSEIL DE SURVEILLANCE POUR L'ETUDE ETCLAUDE	24/08/2007	DELHI
12	263388	590/DELNP/2007	21/07/2005	29/07/2004	ORAL CARE COMPOSITIONS WITH FILM FORMING POLYMERS	COLGATE- PALMOLIVE COMPANY	17/08/2007	DELHI
13	263390	4017/DELNP/2004	27/06/2003	28/06/2002	AUDIOVISUAL PROGRAM SYNCHRONIZATION SYSTEM AND METHOD	THOMSON LICENSING S.A.	04/12/2009	DELHI
14	263398	2193/DELNP/2006	24/09/2004	24/09/2003	A METHOD FOR PRODUCING THE BINDER RESIN	MITSUI CHEMICALS, INC	04/05/2007	DELHI
15	263399	5065/DELNP/2008	22/12/2006	30/12/2005	LIGHT OLEFIN PRODUCTION VIA DIMETHYL ETHER	UOP LLC	26/09/2008	DELHI
16	263400	1614/DELNP/2003	05/04/2002	11/04/2001	A FLEXIBLE FLUID CONTAINMENT VESSEL	ALBANY INTERNATIONAL CORP.	14/10/2005	DELHI
17	263402	105/DELNP/2007	03/12/2004	03/12/2004	A METHOD FOR CONTINUOUS ON-SITE RECYCLING OF AN ASPHALT MIXTURE LAYER OF A PAVEMENT AND A MOTOR-DRIVEN VEHICLE SYSTEM THEREFORE	GREEN ARM CO. LTD.	27/04/2007	DELHI
18	263404	97/DEL/2004	20/01/2004	11/02/2003	COMPUTER HAVING HEAT SINK FOR NOISELESS COOLING	MICROSOFT CORPORATION	10/02/2006	DELHI
19	263405	4577/DELNP/2008	06/12/2006	22/02/2006	A SULFUR-CONTAINING POLYUREAURETHANE	PPG INDUSTRIES OHIO, INC.	15/08/2008	DELHI
20	263406	1295/DEL/2003	21/10/2003	24/10/2002	TURBOCHARGER COMPRISING A TURBINE WHEEL AND A METHOD OF MANUFACTURING THE SAME	HOLSET ENGINEERING CO. LIMITED	14/10/2005	DELHI
21	263407	8903/DELNP/2007	26/05/2006	27/05/2005	A BIOERODIBLE COMPOSITION FOR DELIVERY OF A BIOACTIVE AGENT	ROYER BIOMEDICAL, INC.	27/06/2008	DELHI
22	263412	1883/DELNP/2008	02/08/2006	04/08/2005	PURIFICATION OF FLUROMETHYL 1,1,1,3,3,3- HEXAFLUOROISOPROPY L ETHER (SEVOFLURANE)	HALOCARBON PRODUCTS CORPORATION	27/06/2008	DELHI

23	263413	1168/DEL/2009	08/06/2009 17:23:57		DEVELOPMENT OF A NOVEL PROCESS FOR THE CONVERSION OF WASTE COMPOSITE PROPELLANT INTO LIQUID FERTILIZER	DIRECTOR GENERAL, DEFENCE RESEARCH & DEVELOPMENT ORGANISATION	17/12/2010	DELHI
24	263419	32/DEL/2005	06/01/2005		A ROOT CANAL FILLING MATERIAL FORMULATION FOR PRIMARY TEETH	POSTGRADUATE INSTITUTE OF MEDICAL EDUCATION OF MEDICAL EDUCATION AND RESEARCH	08/12/2006	DELHI
25	263421	1183/DEL/2005	10/05/2005	14/05/2004	PROCESS FOR PREPARING DIFLUOROBENZO-1,3- DIOXOLE-5- CARBOXYLIC ACID DERIVATIVES	LANXESS DEUTSCHLAND GMBH	12/01/2007	DELHI
26	263423	993/DEL/2005	20/04/2005	29/04/2004	A DEVICE FOR LUBRICATING A COMPONENT IN AN ASSEMBLY OF PARTS	SNECMA	20/04/2005	DELHI
27	263424	1638/DELNP/2006	23/09/2004	29/09/2003	A DRYING APPARATUS	SELF PROPELLED RESEARCH AND DEVELOPMENT SPECIALISTS, LLC	17/08/2007	DELHI
28	263425	7912/DELNP/2007	25/04/2006	26/04/2005	PRODUCTION OF RECOMBINANT PROTEINS BY AUTOPROTEOLYTIC CLEAVAGE OF A FUSION PROTEIN	SANDOZ AG.,BOEHRINGER INGELHEIM RCV GMBH & CO. KG	09/11/2007	DELHI
29	263427	2202/DELNP/2006	14/10/2004	21/10/2003	AN INHALER	DIRECT-HALER A/S	20/04/2007	DELHI
30	263428	1353/DELNP/2007	12/08/2005	20/08/2004	POLYMER COMPOSITION	INEOS MANUFACTURING BELGIUM NV	03/08/2007	DELHI
31	263434	5209/DELNP/2006	25/02/2005	23/03/2004	IMPROVED BALL PENETROMETER FOR SOFT SOILS TESTING	BENTHIC GEOTECH PTY. LTD.	03/08/2007	DELHI
32	263435	5594/DELNP/2007	19/01/2006	19/01/2005	FUSION PROTEINS COMPRISING FLAGELLIN AND DENGUE VIRUS ENVELOPE PROTEINS	VAXINNATE CORPORATION	17/08/2007	DELHI
33	263437	2976/DELNP/2007	21/09/2005	21/09/2004	A LOXAPINE ANALOGUE OF FORMULA (1) AND PHARMACEUTICAL COMPOSITION THEREOF	HYPNION, INC	17/08/2007	DELHI
34	263438	3473/DELNP/2006	30/12/2004	02/01/2004	FUSION-CAST REFRACTORY WITH HIGH ELECTRICAL RESISTIVITY	REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG	31/08/2007	DELHI
35	263442	9119/DELNP/2007	29/05/2006	31/05/2005	NOVEL PROCESS FOR ENZYMATIC ACRYLAMIDE REDUCTION IN FOOD PRODUCTS	DSM IP ASSETS B.V.	04/01/2008	DELHI

36	263443	2697/DEL/2005	07/10/2005	14/10/2004	METHOD OF MOUNTING THUMBWHEEL SWITCH ON PRINTED CIRCUIT BOARD AND HANDHELD ELECTONIC DEVICE INCORPORATING THE SAME	RESEARCH IN MOTION LIMITED	02/10/2009	DELHI
37	263444	4011/DELNP/2007	28/11/2005	30/11/2004	MIXING DEVICES FOR CHEMICAL LYSIS OF CELLS	MERIAL LIMITED	31/08/2007	DELHI
38	263445	2598/DELNP/2006	24/11/2004	11/12/2003	DC-DC CONVERTER	HONDA MOTOR CO., LTD.	10/08/2007	DELHI
39	263451	751/DELNP/2008	31/07/2006	03/08/2005	QUINOLINE DERIVATIVES AS ANTIBACTERIAL AGENTS	JANSSEN PHARMACEUTICA N.V.,	11/07/2008	DELHI
40	263455	2685/DEL/2007	20/12/2007 17:06:05	22/12/2006	IMPROVEMENT OF REMOTE INSTALLATION PERFORMANCE OVER MANAGEMENT CONTROLLERS IN MONOLITHIC AND MOKULAR SYSTEMS	DELL PRODUCTS L.P.	05/09/2008	DELHI
41	263456	1443/DEL/2004	04/08/2004	05/08/2003	A FLUID FLOW FITTING AND METHOD OF MAKING THE SAME	JOPEX INDUSTRIES SDN. BHD	21/07/2006	DELHI
42	263457	9186/DELNP/2008	29/05/2007	30/05/2006	ANTIBODIES AND IMMUNOCONJUGATES AND USES THEREFOR	GENENTECH, INC.	27/03/2009	DELHI
43	263461	8727/DELNP/2007	10/05/2006	10/05/2005	COMPOSITIONS AND METHODS FOR TREATING HYPERPROLIFERATIVE EPIDERMAL DISEASES	DERMIPSOR LTD.	27/06/2008	DELHI
44	263463	4944/DELNP/2008	11/12/2006	15/12/2005	ALKOXYSPIROCYCLOPE NTYL-SUBSTITUTED TETRAMIC AND TETRONIC ACIDS	BAYER CROPSCIENCE AG	08/08/2008	DELHI
45	263465	3622/DELNP/2007	25/10/2005	25/10/2004	FUSED PYRIMIDINE COMPOUNDS AND PROCESS OF PREPARATION THEREOF	PIRAMED LIMITED	24/08/2007	DELHI
46	263467	7857/DELNP/2008	10/04/2007	11/04/2006	PROCESS FOR PRODUCING STEEL MATERIAL	HITACHI METALS, LTD	14/11/2008	DELHI
47	263468	5114/DELNP/2005	14/01/2004	11/06/2003	A PLANAR INVERTED-F ANTENNA HAVING A PLURALITY OF RESONANT FREQUENCY BANDWIDTHS OF OPERATION	SONY ERICSSON MOBILE COMMUNICATIONS AB	02/10/2009	DELHI

48	263471	1353/DEL/2009	01/07/2009 11:43:54	08/08/2008	ELASTOMERIC COMPOSITIONS COMPRISING HYDROCARBON POLYMER ADDITIVES HAVING IMPROVED IMPERMEABILITY	EXXONMOBIL CHEMICAL PATENTS INC.	19/03/2010	DELHI
49	263472	2715/DELNP/2006	13/10/2004	13/10/2003	A TURBINE HOUSING	ISIDRO U URSUA	10/08/2007	DELHI
50	263478	2752/DEL/2005	13/10/2005	15/10/2004	APPARATUS FOR INJECTING GAS INTO A VESSEL	TECHNOLOGICAL RESOURCES PTY LIMITED	02/10/2009	DELHI
51	263479	1623/DELNP/2007	22/08/2005	24/08/2004	PROCESS FOR IN-SITU CLEANING OF DRINKING WATER FILTRATION MEDIA	BLUE EARTH LABS, LLC	03/08/2007	DELHI
52	263481	6254/DELNP/2006	26/07/2004	07/05/2004	DECONTAMINATION SYSTEM	TRISTEL PLC	31/08/2007	DELHI
53	263483	3852/DELNP/2009	15/01/2008	16/01/2007	BLOW MOLDING ETHYLENE RESIN COMPOSITION	PRIME POLYMER CO., LTD,MITSUI CHEMICALS, INC.	09/04/2010	DELHI
54	263487	80/DEL/2006	10/01/2006	13/01/2005	SYSTEM AND METHODS FOR REGULATING PRE- CHARGE CURRENT IN A BATTERY SYSTEM	DELL PRODUCTS L. P.	17/08/2007	DELHI
55	263488	6632/DELNP/2009	11/07/2008	24/07/2007	EXHAUST GAS DESULFURIZER	MITSUBISHI HEAVY INDUSTRIES LTD.	23/08/2013	DELHI
56	263489	993/DEL/2007	08/05/2007		A METHOD OF FORMING A CERAMIC LINING ON THE INSIDE SURFACE OF A HOLLOW TRUNCATED RIGHT CIRCULAR CONE	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH	21/11/2008	DELHI
57	263491	1387/DELNP/2006	17/09/2004	17/09/2003	A GLYCOPEPTIDE ANTIBIOTIC COMPOSITION COMPRISING GLYCOSYLATED (A) AND DEGLYCOSYLATED (B) FORMS OF ONE GLYCOPEPTIDE ANTIBIOTIC	XELLIA PHARMACEUTICALS ApS.	10/08/2007	DELHI
58	263493	7078/DELNP/2008	05/02/2007	03/02/2006	A CONTINUOUS PROCESS FOR CONVERTING A HYDROCARBON FEEDSTOCK INTO ONE OR MORE HIGHER HYDROCARBONS	GRT, INC.	03/10/2008	DELHI
59	263494	7322/DELNP/2006	07/06/2005	07/06/2004	ISOLATION OF PLASMA OR SERUM PROTEINS	THERAPURE BIOPHARMA INC.	24/08/2007	DELHI
60	263497	7996/DELNP/2007	05/04/2006	05/04/2005	METAL-COATED STEEL STRIP	BLUESCOPE STEEL LIMITED.	09/11/2007	DELHI

61	263504	2332/DELNP/2009	15/10/2007	13/10/2006	STABLE OFFSET EMULSION INKS CONTAINING NON- WATER SOLUBLE POLYMERIC SURFACTANTS	SUN CHEMICAL CORPORATION	28/05/2010	DELHI
62	263506	5504/DELNP/2009	24/06/2008	27/06/2007	SYSTEM AND PROCESS FOR FISCHER-TROPSCH CONVERSION	H R D CORPORATION	30/04/2010	DELHI
63	263507	2182/DELNP/2008	06/09/2006	14/09/2005	PROCESS FOR FORMING AGGLOMERATES OF A POWDER COMPOSITION	ISP INVESTMENTS INC.	25/04/2008	DELHI
64	263510	2779/DELNP/2009	30/03/2007	10/11/2006	ORAL CARE COMPOSITIONS CONTAINING COMBINATIONS OF ANTI-BACTERIAL AND HOST-RESPONSE MODULATING AGENTS	THE PROCTER & GAMBLE COMPANY	29/05/2009	DELHI
65	263519	10032/DELNP/200 7	30/06/2006	30/06/2005	PRODUCTION OF SECONDARY METABOLITES USING CAPILLARY MEMBRANES	SYNEXA LIFE SCIENCES (PROPRIETARY) LIMITED	20/06/2008	DELHI
66	263520	2007/DEL/2007	24/09/2007 15:23:58	26/09/2006	APPARATUS AND METHODS FOR MANAGING POWER IN AN INFORMATION HANDLING SYSTEM	DELL PRODUCTS L.P.	29/08/2008	DELHI
67	263522	2976/DEL/2008	31/12/2008		A PLATE FOR METAL DEPOSITION	HARISH KANDHARI	15/05/2009	DELHI

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Seri al Nu mbe r	Patent Numbe r	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriat e Office
1	263361	415/MUMNP/2008	08/03/2007	24/08/2006	A DEVICE FOR CARRYING OUT OPTICAL READINGS ON TEXTILE MATERIALS SUBMITTED TO DYEING AND METHOD THEREOF	TECNORAMA S. R. L.	21/03/2008	MUMBAI
2	263367	1082/MUMNP/2008	07/11/2006	07/12/2005	FASTENING MEANS FOR RAIL	DB NETZ AG	08/08/2008	MUMBAI
3	263369	2066/MUMNP/2008	12/04/2007	12/04/2006	INJECTION DEVICE WITH TENSIONING SPRING AND TENSIONING ELEMENT	TECPHARMA LICENSING AG	27/02/2009	MUMBAI
4	263374	681/MUMNP/2008	29/09/2006	29/09/2005	METHOD AND APPARATUS FOR USING CONSTRAINED CRYPTOGRAPHIC KEYS TO ENABLE SECURE COMMUNICATION BETWEEN DEVICES	QUALCOMM INCORPORATED	05/09/2008	MUMBAI
5	263375	325/MUMNP/2009	27/07/2007	02/08/2006	METHOD AND SYSTEM TO PERFORM SHIFTING AND ROUNDING OPERATIONS WITHIN A MICROPROCESSOR	QUALCOMM INCORPORATED	22/05/2009	MUMBAI
6	263458	1187/MUM/2007	18/06/2007		A JOINING MECHANISM FOR SPACE FRAME AND CHASSIS FRAME OF VEHICLE BODY AND METHOD OF JOINING	TATA MOTORS LIMITED	27/06/2008	MUMBAI
7	263469	1857/MUMNP/2010	24/03/2009	26/03/2008	A SUBSTITUTED TETRAHYDROISOQUINOLI NE COMPOUND	Daiichi Sankyo Company, Limited	02/12/2011	MUMBAI
8	263490	2654/MUM/2008	22/12/2008		AN IMPROVED CONCRETE COMPOSITION	ANSHUL AGRAWAL	26/06/2009	MUMBAI
9	263501	1164/MUM/2006	21/07/2006	26/07/2005	TEXTILE MATERIAL PROCESSING MACHINE	MASCHINENFABRIK RIETER AG	18/07/2008	MUMBAI
10	263523	1702/MUMNP/2008	23/02/2006	23/02/2006	DISPOSABLE DEVICE FOR DIFFUSING VOLATILE SUBSTANCES COMPRISING LAMINAR ELEMENT HAVING AT LEAST FIRST PART AND SECOND PART	ZOBELE ESPANA, S.A.	12/12/2008	MUMBAI

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Seri al Nu mbe r	Patent Numbe r	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	263372	4800/CHENP/2007	28/03/2006	28/03/2005	METHODS AND SYSTEMS FOR SURVEILLANCE OF SHORT MESSAGING SERVICE (SMS) MESSAGES IN A COMMUNICATIONS NETWORK	TEKELEC GLOBAL, INC.	20/03/2009	CHENNAI
2	263373	2073/CHENP/2007	10/11/2005	16/11/2004	SYSTEM FOR AND METHOD OF CONTROLLING PLAYBACK OF AUDIO SIGNALS	KONINKLIJKE PHILIPS ELECTRONICS N.V	07/09/2007	CHENNAI
3	263380	3889/CHENP/2006	15/04/2005	23/04/2004	NON-NUCLEOSIDE REVERSE TRANSCRIPTASE INHIBITORS	F. HOFFMANN-LA ROCHE AG	22/06/2007	CHENNAI
4	263392	867/CHENP/2007	29/08/2005	30/08/2004	MESSAGE SYNCHRONIZATION OVER A STOCHASTIC NETWORK	HARMONIC INC.	24/08/2007	CHENNAI
5	263393	3528/CHENP/2008	13/12/2006	13/12/2005	METHOD FOR IMPROVING TRANSFORMATION EFFICIENCY USING POWDER	JAPAN TOBACCO INC.	13/03/2009	CHENNAI
6	263397	4034/CHENP/2007	15/03/2006	17/03/2005	FUNCTIONALIZED ETHYLENE/ALPHA- OLEFIN INTERPOLYMER COMPOSITIONS	DOW GLOBAL TECHNOLOGIES LLC	23/11/2007	CHENNAI
7	263403	4057/CHENP/2006	31/03/2005	08/04/2004	A METHOD FOR CONTROLLING THE SOUND LEVELS OF A GROUP OF AUDIO CHANNELS	KONINKLIJKE PHILIPS ELECTRONICS N.V.	15/06/2007	CHENNAI
8	263408	4367/CHENP/2007	31/03/2006	04/04/2005	METHOD TO MAKE CIRCULAR KNIT ELASTIC FABRIC COMPRISING SPANDEX AND HARD YARNS	INVISTA TECHNOLOGIES S.A.R.L.	25/01/2008	CHENNAI
9	263409	6904/CHENP/2008	23/05/2007	16/06/2006	LOCK MECHANISM FOR DISPLAY ROD	In Vue Security Products Inc.	27/03/2009	CHENNAI

10	263410	820/CHENP/2008	18/08/2006	19/08/2005	PROCESS FOR PRODUCING BIODIESEL	PETROLEO BRASILEIRO S.A- PETROBRAS	28/11/2008	CHENNAI
11	263411	5560/CHENP/2008	14/03/2007	15/03/2006	METHOD FOR PREPARING INDENE DERIVATIVES, AND INTERMEDIATES FOR PREPARATION OF DERIVATIVES	MICROBIOPHARM JAPAN CO., LTD.,	20/03/2009	CHENNAI
12	263414	491/CHENP/2009	30/05/2007	27/07/2006	HORIZONTAL CONVEYANCE MECHANISM OF SELF-PROPELLED CARRIAGE	S & S Engineering Corp.	05/06/2009	CHENNAI
13	263415	2855/CHENP/2007	23/11/2005	29/11/2004	SHAVER WITH HINGE BETWEEN HOUSING AND SHAVER HEAD	KONINKLIJKE PHILIPS ELECTRONICS N. V.	07/09/2007	CHENNAI
14	263418	4033/CHENP/2007	15/03/2006	17/03/2005	FOAMS MADE FROM INTERPOLYMERS OF ETHYLENE/ALPHA- OLEFINS	DOW GLOBAL TECHNOLOGIES LLC	23/11/2007	CHENNAI
15	263420	1881/CHENP/2009	10/10/2007	11/10/2006	A METHOD FOR THE PRODUCTION OF AZABICYCLOALKAN OL DERIVATIVE	NIPPON SODA CO., LTD.	26/06/2009	CHENNAI
16	263429	3234/CHENP/2008	11/01/2002	12/01/2001	SUBSTITUTED ALKYLAMINE DERIVATIVES	AMGEN INC.	06/03/2009	CHENNAI
17	263430	6780/CHENP/2008	30/05/2007	20/06/2006	A METHOD FOR A HANDOVER PROCEDURE OF A USER TERMINAL	ALCATEL LUCENT	27/03/2009	CHENNAI
18	263431	801/CHENP/2008	10/08/2006	18/08/2005	NONAQUEOUS ELECTROLYTE SOLUTION AND LITHIUM SECONDARY BATTERY USING SAME	UBE INDUSTRIES, LTD	28/11/2008	CHENNAI
19	263446	4811/CHENP/2007	27/03/2006	29/03/2005	POROUS CARBON MATERIALS AND SMOKING ARTICLES AND SMOKE FILTERS THEREFOR INCORPORATING SUCH MATERIALS	BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED	25/01/2008	CHENNAI
20	263447	3885/CHENP/2007	07/03/2006	07/03/2005	POLYPHENYLENE POLY(ARYL ETHER SULFONE)BLENDS, ARTICLES AND METHOD	SOLVAY ADVANCED POLYMERS, LLC	21/12/2007	CHENNAI
21	263448	4048/CHENP/2007	15/03/2006	17/03/2005	ADHESIVE AND MARKING COMPOSITIONS MADE FROM INTERPOLYMERS OF ETHYLENE/ALPHA- OLEFINS	DOW GLOBAL TECHNOLOGIES LLC	23/11/2007	CHENNAI

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22	263449	3843/CHENP/2008	22/01/2007	23/01/2006	LIPASE VARIANTS	NOVOZYMES A/S ,NOVOZYMES INC	13/03/2009	CHENNAI
23	263450	4017/CHENP/2007	15/03/2006	17/03/2005	POLYMER BLENDS FROM INTERPOLYMER OF ETHYLENE/ALPHA- OLEFIN WITH IMPROVED COMPATABILITY	DOW GLOBAL TECHNOLOGIES LLC	23/11/2007	CHENNAI
24	263459	1487/CHENP/2008	21/09/2006	27/09/2005	A WATER REDISPERSIBLE POWDER FOR REDUCING EFFLORESCENCE IN HYDRAULICALLY SET SYSTEMS	ELOTEX AG	28/11/2008	CHENNAI
25	263460	2388/CHENP/2008	05/10/2006	14/10/2005	PROCESS FOR PREPARING ACROLEIN OR ACRYLIC ACID OR A MIXTURE THEREOF FROM PROPANE	BASF SE	06/03/2009	CHENNAI
26	263464	2455/CHENP/2008	17/11/2006	18/11/2005	METHOD OF MAKING A PHOTOPOLYMER PRINTING PLATE	AGFA GRAPHICS NV	06/03/2009	CHENNAI
27	263470	4428/CHENP/2008	27/01/2007	27/01/2006	6-MODIFIED BICYCLIC NUCLEIC ACID ANALOGS	ISIS PHARMACEUTICALS, INC.,	13/03/2009	CHENNAI
28	263473	3237/CHENP/2008	25/05/2007	28/08/2006	DOWNLINK FRAME GENERATION IN WIRELESS COMMUNICATION SYSTEM	ELECTRONICS AND TELECOMMUNICATI ON RESEARCH INSTITUTE, SK TELECOM CO LTD, KTFreetel Co., Ltd	06/03/2009	CHENNAI
29	263474	5431/CHENP/2007	26/04/2006	27/04/2005	PROCESS FOR SEPARATING BY RECTIFICATION A LIQUID WHICH CONTAINS AN ACRYLIC AND /OR A METHACRYLIC ACID	BASF AKTIENGESELLSCHAFT	28/03/2008	CHENNAI
30	263475	2391/CHENP/2007	02/12/2005	03/12/2004	POLYOXYPROPYLENE/ POLYOXYETHYLENE TERPENE COMPOUNDS IN EMULSION POLYMERIZATION	RHODIA INC.	07/09/2007	CHENNAI
31	263476	1314/CHENP/2007	30/09/2004	30/09/2004	VEHICLE WHEEL HAVING A WHEEL RIM AND A RUBBER TYRE	CONTINENTAL REIFEN DEUTSCHLAND GMBH	31/08/2007	CHENNAI
32	263477	6419/CHENP/2008	20/04/2007	24/04/2006	MEMBRANE ELEMENT SEALING MATERIAL HOLDING MEMBER AND MEMBRANE ELEMENT	NITTO DENKO CORPORATION	27/03/2009	CHENNAI

33	263492	3031/CHE/2008	02/12/2008 11:06:08	03/12/2007	HEAVY DUTY RECLINING MECHANISM FOR VEHICLE SEATS	LEAR CORPORATION	21/08/2009	CHENNAI
34	263495	935/CHENP/2007	10/03/2005	05/09/2004	WORKING SURFACE, AND SYSTEM AND METHOD FOR PRODUCTION THEREOF	Friction Control Solutions Ltd.	24/08/2007	CHENNAI
35	263496	1666/CHENP/2009	28/08/2007	29/08/2006	CONNECTION MECHANISM FOR FLUID PIPINGS, MANUFACTURING METHOD FOR THE SAME, AND FUEL CELL SYSTEM INCLUDING CONNECTION MECHANISM FOR FLUID PIPINGS	CANON KABUSHIKI KAISHA	26/06/2009	CHENNAI
36	263500	5030/CHENP/2007	03/04/2006	07/04/2005	GRATE BAR	MASCHINENFABRIK RIETER AG	21/03/2008	CHENNAI
37	263503	6855/CHENP/2008	14/06/2007	14/06/2006	METHOD AND DEVICE FOR PROTECTING TOBACCO	BASF SE	27/03/2009	CHENNAI
38	263517	6773/CHENP/2008	27/06/2007	27/06/2006	A METHOD FOR PROVIDING BEAMFORMING FEEDBACK IN WIRELESS COMMUNICATION SYSTEMS	QUALCOMM INCORPORATED	27/03/2009	CHENNAI
39	263524	984/CHENP/2008	28/08/2006	31/08/2005	REFRIGERATOR OIL COMPOSITION	IDEMITSU KOSAN CO.,LTD	28/11/2008	CHENNAI
40	263525	5588/CHENP/2007	05/05/2006	05/05/2005	DIARYL-PURINE, AZAPURINES AND DEAZAPURINES AS NON-NUCLEOSIDE REVERSE TRANSCRIPTASE INHIBITORS FOR TREATMENT OF HIV	ARDEA BIOSCIENCES, INC	28/03/2008	CHENNAI
41	263527	2542/CHENP/2007	30/11/2005	13/12/2004	MOUNTING MATS AND POLLUTION CONTROL DEVICES USING SAME	3M INNOVATIVE PROPERTIES COMPANY	07/09/2007	CHENNAI

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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	263362	3570/KOLNP/2007	10/03/2006	22/03/2005	PROCESS FOR PRODUCING INK COMPOSITION FOR OFFSET PRINTING, AND INK COMPOSITION FOR OFFSET PRINTING PRODUCED BY SAID PRODUCTION PROCESS	SAKATA INX CORP.	18/01/2008	KOLKATA
2	263364	2635/KOLNP/2008	22/02/2007	22/02/2006	COATING METHOD FOR PIPE HAVING WELD BEAD	SHAWCOR LTD.	23/01/2009	KOLKATA
3	263365	603/KOLNP/2007	15/08/2005	19/08/2004	(-)-EPIGALLOCATECHIN GALLATE DERIVATIVES FOR INHIBITING PROTEASOME	THE HONG KONG POLYTECHNIC UNIVERSITY, WAYNE STATE UNIVERSITY, UNIVERS ITY OF SOUTH FLORIDA, MCGILL UNIVERSITY	06/07/2007	KOLKATA
4	263368	3129/KOLNP/2007	18/01/2006	09/02/2005	A DENTAL X-RAY IMAGE ACQUISITION SYSTEM	SOPRO	28/12/2007	KOLKATA
5	263371	3412/KOLNP/2006	15/06/2005	15/06/2004	REFRIGERATOR HAVING AIR- CLEANER.	LG ELECTRONICS INC.	15/06/2007	KOLKATA
6	263376	3499/KOLNP/2009	10/03/2008	13/03/2007	MTO PROCESS BASED ON MEAPO MOLECULAR SIEVES COMBINED WITH AN OCP PROCESS TO MAKE OLEFINS	TOTAL PETROCHEMICALS RESEARCH FELUY	25/12/2009	KOLKATA
7	263377	4281/KOLNP/2007	13/07/2006	15/07/2005	THIOPHENE COMPOUNDS AND THROMBOPOIETIN RECEPTOR ACTIVATORS	NISSAN CHEMICAL INDUSTRIES, LTD	09/05/2008	KOLKATA
8	263378	2111/KOLNP/2008	05/10/2007	12/10/2006	IMAGE INPUT APPARATUS AND IMAGE INPUT METHOD FOR INPUTTING AN IMAGE OF AN OBJECT WITHIN A LIVING BODY	RICOH COMPANY, LTD.	16/01/2009	KOLKATA

9	263383	2357/KOLNP/2007	07/12/2005	08/12/2004	3- ETHYLIDENEHYDRAZ INO SUBSTITUTED HETEROCYCLIC COMPOUNDS AS THROMBOPOIETIN RECEPTOR ACTIVATORS	NISSAN CHEMICAL INDUSTRIES, LTD.	17/08/2007	KOLKATA
10	263389	2471/KOLNP/2008	22/11/2006	22/11/2005	GLYCEROL LEVULINATE KETALS AND THEIR USE	SEGETIS INC.	23/01/2009	KOLKATA
11	263391	2864/KOLNP/2007	13/01/2006	14/01/2005	MENINGOCOCCAL CONJUGATE VACCINATION	NOVARTIS VACCINES & DIAGNOSTICS S.R.L.	07/09/2007	KOLKATA
12	263394	1732/KOLNP/2008	31/10/2006	04/11/2005	METHOD OF MANUFACTURING HIGH PERFORMANCE GLASS FIBERS IN A REFRACTORY LINED MELTER AND FIBER FORMED THEREBY	OCV INTELLECTUAL CAPITAL, LLC	30/01/2009	KOLKATA
13	263395	3907/KOLNP/2008	28/03/2007	29/03/2006	IMIDAZO [1,2-B]PYRIDAZINES, THEIR PROCESSES OF PREPARATION AND THEIR USE AS GABA RECEPTOR LIGANDS	FERRER INTERNACIONAL, S.A.	27/02/2009	KOLKATA
14	263396	3871/KOLNP/2006	14/10/2004	25/06/2004	VENEERED PANEL FOR FURNITURE, WALL OR FLOORING PANELS.	KAINDL FLOORING GMBH	22/06/2007	KOLKATA
15	263401	2275/KOLNP/2007	15/12/2005	22/12/2004	A STABLE GLP-1Fc FUSION FORMULATION	ELI LILLY AND COMPANY	17/08/2007	KOLKATA
16	263416	2223/KOLNP/2006	04/02/2005	05/02/2004	REACTOR WITH A HEAT EXCHANGER AREA COMPRISING AN INSERT.	EVONIK DEGUSSA GMBH	25/05/2007	KOLKATA
17	263417	1016/KOLNP/2008	08/09/2006	08/09/2005	ADSORBENT FORMED FROM DIFFERENT TYPES OF SLUDGES ALONE OR IN COMBINATION WITH COMPOSTING MATERIALS, METHOD OF PRODUCING ADSORBENT AND PROCESS OF REMOVING ACIDIC GASES FROM WET AIR STREAMS BY THE ADSORBENT	RESEARCH FOUNDATION OF THE CITY UNIVERSITY OF NEW YORK	19/12/2008	KOLKATA
18	263422	925/KOLNP/2008	04/08/2006	04/08/2005	IMPROVED AEROSOL COMPOSITION AND METHOD FOR SURFACE STERILIZATION	SABAN VENTURES PTY LIMITED	19/12/2008	KOLKATA

19	263426	3064/KOLNP/2008	27/01/2007	03/02/2006	DISTRIBUTED ARCHITECTURE AND METHODS FOR BROADCAST/MULTIC AST SERVICE	MOTOROLA, INC.	06/02/2009	KOLKATA
20	263432	1857/KOLNP/2008	27/10/2006	30/11/2005	IMAGE FORMING APPARATUS, IMAGE FORMING METHOD, AND IMAGE FORMING PROGRAM PRODUCT	RICOH COMPANY, LTD.	09/01/2009	KOLKATA
21	263433	1912/KOLNP/2008	22/11/2006	26/11/2005	APPARATUS AND METHOD FOR WET- CHEMICAL PROCESSING OF FLAT, THIN SUBSTRATES IN A CONTINUOUS METHOD	ACP-ADVANCED CLEAN PRODUCTION GMBH	09/01/2009	KOLKATA
22	263436	2601/KOLNP/2007	13/02/2006	15/02/2005	APPARATUS AND METHOD OF TRANSMITTING/RECE IVING MBMS	LG ELECTRONICS INC.	31/08/2007	KOLKATA
23	263439	1350/KOLNP/2009	02/11/2007	03/11/2006	PROCESS FOR PREPARING DIFLUOROMETHYLPY RAZOLYL CARBOXYLATES	BASF SE	29/05/2009	KOLKATA
24	263440	4314/KOLNP/2009	06/06/2008	14/06/2007	SEMICONDUCTOR CERAMIC MATERIAL	MURATA MANUFACTURING CO., LTD.	16/04/2010	KOLKATA
25	263441	3552/KOLNP/2007	23/03/2006	13/04/2005	ECONOMICAL LOUDNESS MEASUREMENT OF CODED AUDIO	DOLBY LABORATORIES LICENSING CORPORATION	18/01/2008	KOLKATA
26	263452	1063/KOLNP/2007	03/11/2005	05/11/2004	AN APPARATUS FOR PLASMA TREATING A SURFACE	DOW CORNING IRELAND LIMITED	31/08/2007	KOLKATA
27	263453	4801/KOLNP/2007	10/07/2006	08/07/2005	PROPYLENE POLYMER OBTAINED BY SINGLE SITE CATALYST POLYMERIZATION AND PROCESS FOR ITS PRODUCTION	BOREALIS TECHNOLOGY OY	27/06/2008	KOLKATA
28	263454	4637/KOLNP/2008	25/06/2007	30/06/2006	DEHYDROXYFLUORI NATION AGENT	CENTRAL GLASS COMPANY, LIMITED	13/03/2009	KOLKATA
29	263462	3095/KOLNP/2006	30/03/2005	31/03/2004	MANUAL GRINDING TOOL	STEPHAN RIETH	08/06/2007	KOLKATA
30	263466	44/KOL/2008	07/01/2008	24/01/2007	METHOD TO CONTROL TORQUE TRANSMISSION DEVICE DURING CLUTCH TRANSITION	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	24/04/2009	KOLKATA

					SILVER ORGANO-SOL			
31	263480	841/KOLNP/2008	02/12/2005	07/09/2005	INK FOR FORMING ELECTRICALLY CONDUCTIVE PATTERNS	EXAX INC.	28/11/2008	KOLKATA
32	263482	3010/KOLNP/2008	16/02/2007	20/02/2006	METHOD FOR PREPARING A POROUS CERAMIC MATERIAL WITH HIGH HEAT RESISTANCE	Z. G. CAMINI INOX S.R.L.	06/02/2009	KOLKATA
33	263484	436/KOLNP/2010	14/08/2008	14/08/2007	DEVICE FOR TREATMENT OF PLASTIC MATERIAL AND METHOD FOR THE SAME	EREMA ENGINEERING RECYCLING MASCHINEN UND ANLAGEN GESELLSCHAFT M.B.H.	14/05/2010	KOLKATA
34	263485	648/KOLNP/2007	22/07/2005	23/07/2004	SYSTEMS AND METHODS FOR OPTIMIZING COMMUNICATIONS BETWEEN NETWORK NODES	CITRIX SYSTEMS, INC.	06/07/2007	KOLKATA
35	263486	98/KOL/2008	14/01/2008		THERMO MECHANICALLY TREATABLE NB-FREE MN-RICH LOW ALLOY STEEL WITH HIGH STRENGTH / DUCTILITY AND ITS PROCESS OF MANUFACTURE	STEEL AUTHORITY OF INDIA LIMITED	17/07/2009	KOLKATA
36	263498	4553/KOLNP/2007	28/06/2006	30/06/2005	OUTER SHEATH LAYER FOR POWER OR COMMUNICATION CABLE	BOREALIS TECHNOLOGY OY	20/06/2008	KOLKATA
37	263499	163/KOLNP/2007	15/06/2005	16/06/2004	DRUG DELIVERY PRODUCT AND METHODS	OSTROFF GARY R	29/06/2007	KOLKATA
38	263502	3330/KOLNP/2008	17/02/2007	17/02/2006	A FILTRATION APPLIANCE FOR WASTE WATER PURIFICATION	ITN NANOVATION AG	13/02/2009	KOLKATA
39	263505	2921/KOLNP/2008	23/01/2007	24/01/2006	SQUEEZE FOAMER	REXAM AIRSPRAY N. V.	06/02/2009	KOLKATA
40	263508	1956/KOL/2008	04/11/2008 13:28:17	15/11/2007	CONCENTRATED WINDING MACHINE WITH MAGTNETIC SLOT WEDGES	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	05/06/2009	KOLKATA
41	263509	1682/KOL/2008	29/09/2008 16:48:57		HIGH IMPEDANCE HIGH VOLTAGE WINDING OF POTENTIAL TRANSFORMER FOR AC TRANSMISSION SYSTEMS	BHARAT HEAVY ELECTRICALS LIMITED	02/04/2010	KOLKATA
42	263511	1826/KOL/2008	24/10/2008 16:00:54	30/10/2007	VOLTAGE SAG PREVENTION APPARATUS AND METHOD	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	05/06/2009	KOLKATA
43	263512	1009/KOL/2008	10/06/2008 15:51:47	14/06/2007	METHOD FOR FUEL CELL START-UP WITH UNIFORM HYDROGEN FLOW	GM GLOBAL TECHNOLOGY OPARATIONS, INC.	24/04/2009	KOLKATA

44	263513	2074/KOL/2008	28/11/2008 16:09:43	30/11/2007	METHODS AND APPARATUS FOR A PERMANENT MAGNET MACHINE WITH AN ADDED AIR BARRIER	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	12/06/2009	KOLKATA
45	263514	1937/KOL/2008	03/11/2008	18/12/2007	SNUBBER CAPACITOR RESETTING IN A DC-TO- DC CONVERTER	GM GLOBAL TECHNOLOGY OPERATIONS, INC	26/06/2009	KOLKATA
46	263515	2947/KOLNP/2007	30/01/2006	31/01/2005	SYSTEMS AND METHODS FOR DISTRIBUTED SERIES COMPENSATION OF POWER LINES USING PASSIVE DEVICES	GEORGIA TECH RESEARCH CORPORATION	19/10/2007	KOLKATA
47	263516	2211/KOL/2008	24/12/2008 15:06:11	10/01/2008	CONTAINER WITH INTEGRATED COOLANT SEALS	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	17/07/2009	KOLKATA
48	263518	4954/KOLNP/2008	28/03/2007	05/05/2006	COMPOSITIONS COMPRISING LOW-DP POLYMERIZED SURFACTANTS AND METHODS OF USE THEREOF	JOHNSON & JOHNSON CONSUMER COMPANIES, INC.	20/03/2009	KOLKATA
49	263521	4693/KOLNP/2008	20/04/2007	28/04/2006	MATRIX CONVERTER AND CONTROL METHOD FOR THE MATRIX CONVERTER	DAIKIN INDUSTRIES, LTD.	13/03/2009	KOLKATA
50	263526	499/KOLNP/2007	15/07/2005	19/07/2004	AN AQUEOUS COMPOSITION FOR PARENTERAL ADMINISTRATION COMPRISING SODIUM SALT OF (E)-2,4,4,6- TRIMETHOXYSTYRYL-3- CARBOXYMETHAYLAM NI-4- METHOXYBENZYLSULF ONE AND POLYETHYLENE GLYCOL	ONCONOVA THERAPEUTICS, INC.	03/04/2009	KOLKATA
51	263528	792/KOL/2007	22/05/2007 16:13:41	29/12/2006	TERMINAL MODULE ASSEMBLY FOR MOLDED CASE CIRCUIT BREAKER AND MOLDED CASE CIRCUIT BREAKER HAVING THE SAME	LS INDUSTRIAL SYSTEMS CO., LTD.	18/07/2008	KOLKATA
52	263529	4290/KOLNP/2007	21/04/2006	22/04/2005	SECONDARY-SIDE POWER RECEIVING CIRCUIT OF NONCONTACT POWER SUPPLYING EQUIPMENT	DAIFUKU CO., LTD.	04/07/2008	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.

#### THE DESIGNS ACT 2000 SECTION 30 DESIGN ASSIGNMENT

(01)

The Design stands in the name of RIVER SEIKO CORPORATION registered under the Designs Act, 2000 has been assigned in the Register of Designs along with co-proprietor's name is as follows:-

Design No.	Class	Name
229588	24-02	KANEKA CORPORATION OF, 2-3-18 NAKANOSHIMA, KITA-KU, OSAKA 530-8288 JAPAN, A CORPORATION DULY ORGANISED UNDER THE LAWS OF JAPAN

(02)

The Design stands in the name of NYPRO INC. registered under the Designs Act, 2000 has been assigned in the Register of Designs in the name as follows:-

Design No.	Class	Name
215829	09-07	ROUSH LIFE SCIENCES, LLC, OF 12068 MARKET STREET, LIVONIA, MI 48150, UNITED STATES, A US CORPORATION

(03)

The Design stands in the name of FINLANDIA VODKA WORLDWIDE LTD. registered under the Designs Act, 2000 has been assigned in the Register of Designs in the name as follows:-

Design No.	Class	Name
236889	09-01	BROWN-FORMAN FINLAND LTD., A COMPANY DULY ORGANIZED AND EXISTING UNDER THE LAWS OF FINLAND OF PORKKALANKATU 24, 00180 HELSINKI, FINLAND

## CANCELLATION PROCEEDINGS under Section 19 of the Designs Act, 2000

"The Asstt. Controller of Patents & Designs passed an order on 24/10/2014 to cancel the registration of registered Design No. 202658 dated 30/12/2005 titled as 'Decorative Paper Plate' under class 07-01 in the name of K.P. Laila (Indian), Thekkeppallath Peringattuthodi (H), Mecheriparambil, Irumbiliyam Post, Valancheri, Malappuram District, Pin-679572, Kerala State, India."

### **COPYRIGHT PUBLICATION**

SL NO	REGISTERED DESIGN NUMBERS	RENEWED ON
1.	196241	10.09.2014
2.	195747	15.09.2014
3.	190267	16.09.2014
4.	194583	16.09.2014
5.	194364	23.09.2014
6.	194363	23.09.2014
7.	194365	23.09.2014
8.	194366	23.09.2014
9.	194367	23.09.2014
10.	197669	23.09.2014
11.	197664	23.09.2014
12.	197665	23.09.2014
13.	197666	23.09.2014
14.	197667	23.09.2014
15.	197668	23.09.2014

#### **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	260175	
CLASS	12-05	
1)TADANO LTD., A JAPANESE C KO-34, SHINDEN-CHO, TAKAMA		
DATE OF REGISTRATION	06/02/2014	
TITLE	CRANE TRUCK	
PRIORITY NA		
DESIGN NUMBER	260342	
CLASS	08-07	(
1)MR. KUNAL BANKA, OF 3-B, CAMAC STREET, KOLKA COMPANY INCORPORATED UNDER ADDRESS	0766556	
DATE OF REGISTRATION	14/02/2014	A STATE OF THE STA
TITLE	SEALING DEVICE	
PRIORITY NA		LDED
DESIGN NUMBER	260566	
CLASS	15-03	
1)MILLTEC MACHINERY PRIVA NO. 51-A, 1ST PHASE KIADB INI 560099, STATE OF KARNATAKA, IN	DL AREA, BOMMASANDRA, BANGALORE-	100
DATE OF REGISTRATION	21/02/2014	0.3
TITLE	GRAIN PRE-CLEANER	
PRIORITY NA		

DESIGN NUMBER 261352	
<b>CLASS</b> 08-06	

### 1)SH. NEERAJ MAHESHWARI, PROPRIETOR M/S CENT METAL INDUSTRIES,

B-12, INDUSTRIAL ESTATE, ALIGARH-202001 (UTTAR PRADESH) (INDIAN NATIONAL)

DATE OF REGISTRATION	28/03/2014
TITLE	HANDLE



#### PRIORITY NA

DESIGN NUMBER	260652
CLASS	24-01

# 1)KONINKLIJKE PHILIPS N.V., A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE KINGDOM OF THE NETHERLANDS, RESIDING AT EINDHOVEN, WHOSE POST-OFFICE ADDRESS IS

HIGH TECH CAMPUS 5, 5656 AE EINDHOVEN, THE NETHERLANDS

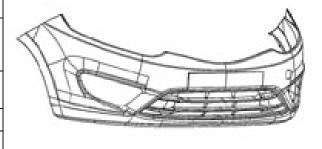
DATE OF REGISTRATION	27/02/2014
TITLE	MEDICAL MONITOR



#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
002301796-0003	03/09/2013	OHIM

DESIGN NUMBER	260010	
CLASS	12-16	
1)TATA MOTORS LIMITED, AN INDIAN COMPANY OF BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400 001, MAHARASHTRA, INDIA		
DATE OF REGISTRATION	31/01/2014	
TITLE	FRONT BUMPER OF A VEHICLE	



DESIGN NUMBER	259	9748	
CLASS	12	2-16	
1)HERO MOTOCORP LIMITE UNDER THE COMPANIES ACT, 34, COMMUNITY CENTRE, BA 057	HAVING ITS OFFICE AT	•	1
DATE OF REGISTRATION	28/0	1/2014	
TITLE		OR A TWO WHEELED MICLE	
PRIORITY NA			350
DESIGN NUMBER	259	9837	
CLASS	13	3-03	
1)SIEMENS AKTIENGESELLS OF WITTELSBACHERPLATZ COMPANY		IANY, A GERMAN	THE PARTY OF THE P
DATE OF REGISTRATION	29/0	1/2014	Diffe Contraction
TITLE	DISTRIBUTION OR CO	CE (EQUIPMENT FOR ONTROL OF ELECTRIC VER)"	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
001381305	20/08/2013	OHIM	
DESIGN NUMBER	260	0173	
CLASS	12	2-05	
1)TADANO LTD., A JAPANESE CORPORATION OF KO-34, SHINDEN-CHO, TAKAMATSU-SHI, KAGAWA 761-0185, JAPAN		For the second	
DATE OF REGISTRATION	06/02	2/2014	
TITLE	CRANE	ETRUCK	
PRIORITY NA			

DESIGN NUMBER	260231	
CLASS	23-01	
1)M/S KELVIN AQUA ENGINEER H-4, UDYOG NAGAR, ROHTAK I	ROAD, PEERAGARHI, NEW DELHI-110041,	-
INDIAN		
DATE OF REGISTRATION	10/02/2014	No. of Concession, Name of Street, or other Designation, Name of Street, or other Designation, Name of Street, Original Property and Name of Stree
TITLE	WATER PURIFIER	The state of the s
PRIORITY NA		
DESIGN NUMBER	261695	
CLASS	09-01	
MERCHANTS, WHOSE ADDRESS I	, INDIAN, MANUFACTURERS AND IS PATI NAGAR, NEW DELHI-110015, INDIA 11/04/2014 BOTTLE	
PRIORITY NA		
DESIGN NUMBER	260098	
CLASS	24-01	
1)KONINKLIJKE PHILIPS N.V., A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE KINGDOM OF THE NETHERLANDS, RESIDING AT EINDHOVEN, WHOSE POST-OFFICE ADDRESS IS HIGH TECH CAMPUS 5, 5656 AE EINDHOVEN, THE NETHERLANDS		
DATE OF REGISTRATION	03/02/2014	000
TITLE	PORTABLE CARDIOGRAPH	
PRIORITY		9

PRIORITY NUMBER

002286252-0001

COUNTRY

OHIM

DATE 02/08/2013

DESIGN NUMBER	259241	
CLASS	08-06	
	(A INCORPORATE UNDER THE T: G-1910, J-ROAD, B/H GUJARAT GAS .C. MOTODA, KALAWAD ROAD, RAJKOT-	
DATE OF REGISTRATION	06/01/2014	
TITLE	HANDLE	
PRIORITY NA		
DESIGN NUMBER	259746	
CLASS	12-16	
1)HERO MOTOCORP LIMITED, AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT, HAVING ITS OFFICE AT  34, COMMUNITY CENTRE, BASANT LOK, VASANT VIHAR, NEW DELHI-110 057		
DATE OF REGISTRATION	28/01/2014	
TITLE	HEADLIGHT FOR A TWO WHEELED VEHICLE	1.50
PRIORITY NA		
DESIGN NUMBER	261824	
CLASS	02-02	
1)X & O CLOTHING PVT. LTD., (AN INDIAN PRIVATE LIMITED COMPANY REGISTERED UNDER THE INDIAN COMPANIES ACT, 1956), HAVING OFFICE AT  3, THAKUR COMPOUND, 1ST FLOOR, NEXT TO ABB, USV LTD., LANE, OFF.  B.S. DEVSHI MARG, GOVANDI(EAST), MUMBAI-400088, MAHARASHTRA, INDIA		
DATE OF REGISTRATION	17/04/2014	
TITLE	GARMENT (SET)	ATTION
PRIORITY NA		

DESIGN NUMBER	260022
CLASS	12-16

1)BAJAJ AUTO LIMITED, AN INDIAN COMPANY, INCORPORATED UNDER THE COMPANIES ACT OF 1956, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT NEW 2ND & 3RD FLOOR, KHIVRAJ BUILDING, NO. 616, ANNASALAI, CHENNAI - 600006, STATE OF TAMIL NADU, INDIA,

AND REGISTERED OFFICE AT AKURDI, PUNE-411 035, STATE OF MAHARASHTRA, INDIA

DATE OF REGISTRATION	03/02/2014
TITLE	DASH BOARD FOR VEHICLE
PRIORITY NA	



#### PRIORITY NA

DESIGN NUMBER	259309
CLASS	14-99

#### 1)MAGPUL INDUSTRIES CORPORATION,

400 YOUNG COURT, UNIT 1, ERIE, COLORADO 80516, UNITED STATES OF AMERICA, A COLORADO CORPORATION

DATE OF REGISTRATION	09/01/2014
TITLE	CASE FOR A TABLET

#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
29/460,398	10/07/2013	U.S.A.



DESIGN NUMBER	260636
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	26/02/2014
TITLE	COVER FOR MOBILE PHONE

#### PRIORITY

PRIORITI			
PRIORITY NUMBER	DATE	COUNTRY	
30-2013-0044833	30/08/2013	REPUBLIC OF KOREA	



DESIGN NUMBER		260718	
CLASS		13-03	
1)ABB S.P.A., AN ITALIAN COM VIA VITTOR PISANI, 16, I-2012		Y	
DATE OF REGISTRATION		28/02/2014	
TITLE	CABINET FOR	ELECTRICAL SWITCHBOARI	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
002302034	03/09/2013	OHIM	
			1
DESIGN NUMBER		260806	
CLASS		14-03	THO.
BEACON HILL ROAD, CHURCH KINGDOM		AMPSHIRE GU52 8DY, UNITE	D
DATE OF REGISTRATION		06/03/2014	_
TITLE		MOBILE PHONE	_
PRIORITY	,	1	
PRIORITY NUMBER	DATE	COUNTRY	
002410571	24/02/2014	OHIM	
DESIGN NUMBER		262001	
CLASS		12-05	
1)INVENTIO AG, A SWISS COM			120
POSTFACH, 6052 HERGISWIL, S	5 WIIZEREA II VD		1/8/00/1/
POSTFACH, 6052 HERGISWIL, 3 <b>DATE OF REGISTRATION</b>	WITZEREARY	24/04/2014	
· · · · · · · · · · · · · · · · · · ·	SWITZERERIND	24/04/2014 TRAVELATOR	
DATE OF REGISTRATION	SWITZEREZARO		
DATE OF REGISTRATION TITLE	DATE		

DESIGN NUMBER		259876	
CLASS	12-16		$\sim$
1)MITSUBISHI ELECTRIC CORF ORGANIZED AND EXISTING UND MANUFACTURERS AND MERCHA 7-3, MARUNOUCHI 2-CHOME, C	ER THE LAWS OF J ANTS, OF THE ADDR	APAN, RESS	
DATE OF REGISTRATION	31	1/01/2014	
TITLE	COVER OF AC GEN	VERATOR FOR VEHICLES	Rocamood
PRIORITY			1000 cm
PRIORITY NUMBER	DATE	COUNTRY	10/0
2013-020308	03/09/2013	JAPAN	
DESIGN NUMBER	259921		
CLASS		12-16	
1)TATA MOTORS LIMITED, AN INDIAN COMPANY OF BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400 001, MAHARASHTRA, INDIA			
DATE OF REGISTRATION	31/01/2014		1
TITLE	SIDE SKIRT TRIM ACCESSORY OF A VEHICLE		
PRIORITY NA			]
DESIGN NUMBER	259982		
CLASS	12-16		
1)TATA MOTORS LIMITED, AN INDIAN COMPANY OF BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400 001, MAHARASHTRA, INDIA			
DATE OF REGISTRATION	31/01/2014		
TITLE	DOOR TRIM OF A VEHICLE		
PRIORITY NA			

DESIGN NUMBER		259438	
CLASS		23-01	
1)PRAKASHBHAI D. JARSANIY PROPRIETOR OF M/S. ASHOK PO ADDRESS AT 4, SHREENATHJI ESTATE, NR. ROAD, ODHAV, AHMEDABAD-382	OLYMERS, INDIAN N G.V.M.M., B/H. DEVBI	ATIONALITY, HAVING HUMI ESTATE, SINGARVA	
DATE OF REGISTRATION	16	5/01/2014	
TITLE	1	VALVE	
PRIORITY NA			
DESIGN NUMBER		260176	
CLASS		12-05	
1)TADANO LTD., A JAPANESE KO-34, SHINDEN-CHO, TAKAM		761-0185, JAPAN	Par To
DATE OF REGISTRATION	06	5/02/2014	
TITLE	CRANE TRUCK		-000-
PRIORITY NA			
DESIGN NUMBER	260525		
CLASS		09-01	
1)SAVERGLASS, A FRENCH CO 3 RUE DE LA GARE, 60960 FEU			
DATE OF REGISTRATION	21	/02/2014	W 1 4 M
TITLE	BOTTLE		
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
002307629-0001	12/09/2013	OHIM	
	1		

DESIGN NUMBER	260625
CLASS	26-02

### 1)KRPC ENTERPRISES PVT. LTD., A COMPANY DULY INCORPORATED UNDER THE COMPANIES ACT, 1956 AND WHOSE ADDRESS IS

C-561, DSIIDC INDUSTRIAL AREA, NARELA, DELHI-110040

DATE OF REGISTRATION	26/02/2014
TITLE	EMERGENCY LIGHT



#### PRIORITY NA

DESIGN NUMBER	261353
CLASS	08-06
1)CH NEEDALMAHECHWADI DOODDIETOD M/C CENT METAL	

### 1)SH. NEERAJ MAHESHWARI, PROPRIETOR M/S CENT METAL INDUSTRIES,

B-12, INDUSTRIAL ESTATE, ALIGARH-202001 (UTTAR PRADESH) (INDIAN NATIONAL)

DATE OF REGISTRATION	28/03/2014
TITLE	HANDLE



#### PRIORITY NA

DESIGN NUMBER	260653
CLASS	24-01

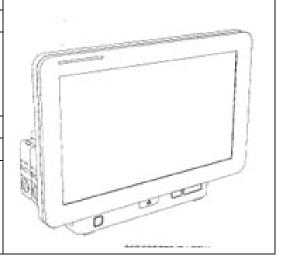
1)KONINKLIJKE PHILIPS N.V., A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE KINGDOM OF THE NETHERLANDS, RESIDING AT EINDHOVEN, WHOSE POST-OFFICE ADDRESS IS

HIGH TECH CAMPUS 5, 5656 AE EINDHOVEN, THE NETHERLANDS

DATE OF REGISTRATION	27/02/2014
TITLE	MEDICAL MONITOR

#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
002301796-0005	03/09/2013	OHIM

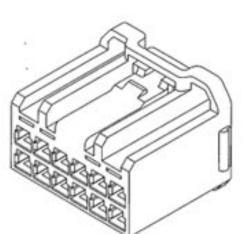


DESIGN NUMBER	260104	
CLASS	07-01	
1)LDDN IMPEX, A PARTNERSH E-37 SMA INDUSTRIAL ESTAT	IIP FIRM, OF THE ADDRESS E, GT ROAD, DELHI-110033, INDIA	(0)
DATE OF REGISTRATION	ATE OF REGISTRATION 04/02/2014	
TITLE	ICE BUCKET	
PRIORITY NA		
DESIGN NUMBER	259749	
CLASS		
UNDER THE COMPANIES ACT, I 34, COMMUNITY CENTRE, BA 057	SANT LOK, VASANT VIHAR, NEW DELHI-110	23
DATE OF REGISTRATION	28/01/2014	
TITLE	FRONT FAIRING FOR A TOW WHEELED VEHICLE	
PRIORITY NA		
DESIGN NUMBER	260528	
CLASS	12-16	
MOTOR CO., LTD.), A JAPANESE UNDER THE LAWS OF JAPAN,	I KAISHA (ALSO TRADING AS NISSAN C COMPANY, ORGANIZED AND EXISTING GAWA-KU, YOKOHAMA-SHI, KANAGAWA-	
DATE OF REGISTRATION	21/02/2014	20000
TITLE	RADIATOR GRILL FOR AUTOMOBILE	

DESIGN NUMBER	261898	
CLASS	12-11	
PLACE OF BUSINESS AT-	AMSINHJI ROAD, CHORDI GATE, GONDAL,	
DATE OF REGISTRATION	22/04/2014	
TITLE	BICYCLE	
PRIORITY NA		
DESIGN NUMBER	256604	
CLASS	03-01	12
DESIGNS AT	N NATIONAL, SOLELY TRADING AS RB  UR COMPLEX, AVENUE ROAD, BANGALORE-	
DATE OF REGISTRATION	19/09/2013	8
TITLE	HAND BAG	6
PRIORITY NA		
DESIGN NUMBER	262099	
CLASS	06-11	( a a a a a a a a a a a a a a a a a a a
	T. LTD., AN INDIAN COMPANY OF RIAL AREA, JAIPUR-302020, RAJASTHAN,	
DATE OF REGISTRATION	28/04/2014	
ITLE CARPET		* *** ***
PRIORITY NA		

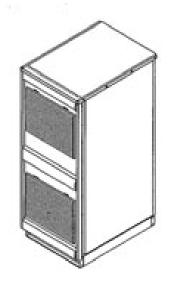
DESIGN NUMBER		258613	
CLASS		06-04	
1)HERMAN MILLER, INC., A CO UNDER THE LAWS OF THE STAT AMERICA, OF MS 0440, 855 EAST MAIN AV 49464-0302, UNITED STATES OF AN	E OF MICHIGAN, UI ENUE, P.O. BOX 302,	NITED STATES OF	
DATE OF REGISTRATION	00	5/12/2013	
TITLE	STORAG	E COMPONENT	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
29/457,260	07/06/2013	U.S.A.	
DESIGN NUMBER		260015	
CLASS		12-16	
1)TATA MOTORS LIMITED, AN BOMBAY HOUSE, 24 HOMI MOI 001, MAHARASHTRA, INDIA			
DATE OF REGISTRATION	3.	1/01/2014	CHILLIAN STATE OF THE STATE OF
TITLE	FRONT GRI	LLE OF A VEHICLE	THE SECOND SECON
PRIORITY NA			
DESIGN NUMBER		259282	
CLASS		13-03	
1)PHOENIX CONTACT GMBH & FLACHSMARKTSTR. 8, D-32825			
DATE OF REGISTRATION	0,	7/01/2014	
TITLE		CTRIC AND ELECTRONIC MPONENTS	::= :
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
002287524	06/08/2013	OHIM	V

DESIGN NUMBER	258933		
CLASS	ASS 13-03		
1)YAZAKI CORPORATION, A JAPANESE CORPORATION OF 4-28, MITA 1-CHOME, MINATO-KU, TOKYO 108-8333 JAPAN			
DATE OF REGISTRATION 23/12/2013			
TITLE	HOUSING FOR ELECTRIC CONNECTOR		



#### PRIORITY NA

DESIGN NUMBER	259124		
CLASS	13-03		
1)ABB TECHNOLOGY LTD., A SWISS COMPANY OF AFFOLTERNSTRASSE 44, ZURICH, CH-8050, SWITZERLAND			
DATE OF REGISTRATION	30/12/2013		
TITLE	ELECTRICAL FREQUENCY CONVERTER CABINET		



#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
201330352246.1	25/07/2013	CHINA

DESIGN NUMBER	260199	
CLASS	09-01	

1)(1). DHAVAL H. PATEL, (2). BHUMIKA D. PATEL, (3). PRAKASH P. VARMORA AND (4). KALPESH A. PATEL., ALL INDIAN NATIONAL DIRECTORS OF VARMORA PLASTECH PVT. LTD., A COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956., HAVING ITS PRINCIPLE PLACE OF BUSINESS AT, PLOT NO. 3, SURVEY/BLOCK NO. 86, PO. VASNA CHACHARVADI,

NR. DIVYA BHASKAR PRESS, BAVLA-CHANGODAR-AHMEDABAD HIGHWAY, TAL: SANAND, DIST: AHMEDABAD-382 213. GUJARAT-INDIA.

DATE OF REGISTRATION	07/02/2014
TITLE	BOTTLE
PRIORITY NA	



DESIGN NUMBER	260638			
CLASS	14-99			
1)SAMSUNG ELECTRONICS CO 129, SAMSUNG-RO, YEONGTON REPUBLIC OF KOREA, A COMPAN				
DATE OF REGISTRATION		26/02/	2014	
TITLE	(	COVER FOR MO	OBILE PHONE	
PRIORITY				
PRIORITY NUMBER DA	ATE	COUNTRY		
30-2013-0044837 30.	/08/2013	REPUBLIC	OF KOREA	
DESIGN NUMBER		2618	323	0.000
CLASS		02-0	02	
3, THAKUR COMPOUND, 1ST FLOOR, NEXT TO ABB, USV LTD., LANE, OFF. B.S. DEVSHI MARG, GOVANDI(EAST), MUMBAI-400088, MAHARASHTRA, INDIA  DATE OF REGISTRATION  17/04/2014				
DATE OF REGISTRATION		17/04/2014		-
TITLE	GARMENT (SET)		IT (SET)	
PRIORITY NA				A STATE OF THE PARTY OF THE PAR
				COLUMN TO SERVICE
DESIGN NUMBER		2613	369	and the second
CLASS		2613 12-		6
		12-3	11	
CLASS  1)YAMAHA HATSUDOKI KABU 2500, SHINGAI, IWATA-SHI, SH		12-3	11 APAN, A JAPANESE	
CLASS  1)YAMAHA HATSUDOKI KABU 2500, SHINGAI, IWATA-SHI, SH CORPORATION		12- SHA, EN 438-8501, JA	11 APAN, A JAPANESE 2014	
CLASS  1)YAMAHA HATSUDOKI KABU 2500, SHINGAI, IWATA-SHI, SH CORPORATION  DATE OF REGISTRATION		12- <b>SHA</b> , EN 438-8501, JA 28/03/	11 APAN, A JAPANESE 2014	
CLASS  1)YAMAHA HATSUDOKI KABU 2500, SHINGAI, IWATA-SHI, SH CORPORATION  DATE OF REGISTRATION  TITLE		12 <b>SHA</b> , EN 438-8501, JA 28/03/ MOTOR Se	11 APAN, A JAPANESE 2014	

DESIGN NUMBER		261416	
CLASS		07-05	
1)SATNAM SINGH NATIONALIT (INDIAN) WHOES ADDRESS IS 150, SHAHZADA BAGH EXTN., I			ES
DATE OF REGISTRATION	01	/04/2014	
TITLE		IRON	THATY STA
PRIORITY NA			
DESIGN NUMBER		260719	
CLASS		13-03	
1)ABB S.P.A., AN ITALIAN COMP VIA VITTOR PISANI, 16, I-20124			
DATE OF REGISTRATION	28	3/02/2014	
TITLE	CABINET FOR ELE	CTRICAL SWITCHBOAI	RD
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
002302034	03/09/2013	OHIM	
DESIGN NUMBER		258813	
CLASS		22-06	<b>A</b>
1)YOGESH PALIWAL, AN INDIA TRADING COMPANY, 6, SAWARKAR MARKET, DATTA MAHARASHTRA, INDIA			UT
DATE OF REGISTRATION	18	8/12/2013	
TITLE	INS	ECT TRAP	
PRIORITY NA			

DESIGN NUMBER	260903		
CLASS	03-01		
1)VENUS INTERNATIONAL, OSWAL COMPLEX, G.T. ROAD, INDUSTRIAL AREA-C, LUDHIANA-141003 INDIA  AN INDIAN PROPRIETORSHIP FIRM WHOSE PROPRIETOR IS:- BHIMSAIN CHHABRA BEING INDIAN NATIONALS OF THE ABOVE ADDRESS			
DATE OF REGISTRATION	11/0	03/2014	
TITLE	TOOL BOX	FOR SPANNERS	
PRIORITY NA			
DESIGN NUMBER	20	60558	
CLASS	(	09-01	
1)RATILAL C. BORA, INDIAN NATIONAL, SAMRAT HOUSE, SHANKARSHETH ROAD, BEHIND MIRA SOCIETY, PUNE-411 037, MAHARASHTRA, INDIA.			
DATE OF REGISTRATION	21/02/2014		
TITLE	BOTTLE		
PRIORITY NA			
DESIGN NUMBER	260225		
CLASS	23-01		
1)TOYOX CO., LTD. 4371, MAEZAWA, KUROBE-SHI, TOYAMA-KEN, JAPAN, A JAPANESE COMPANY.			
DATE OF REGISTRATION	07/02/2014		
TITLE	HOSE CONNECTOR		
PRIORITY			
PRIORITY NUMBER	DATE COUNTRY		Al less
2013-019823	28/08/2013 JAPAN		

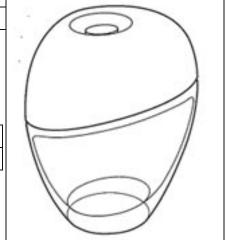
DESIGN NUMBER	260277		
CLASS	09-01		
1)GABRIELLE STUDIO, INC.,			

550 SEVENTH AVENUE, NEW YORK, NY 10018, USA

DATE OF REGISTRATION	11/02/2014

#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
29/462,998	12/08/2013	U.S.A.



DESIGN NUMBER	261438	
CLASS	09-01	

1)PRAMIT SANGHAVI AND DEWANG SANGHAVI, PARTNERS TRADING AS V2 CORP., A PARTNERSHIP FIRM, INDIAN, MANUFACTURERS AND MERCHANTS, WHOSE ADDRESS IS

WZ-8/1, INDUSTRIAL AREA, KIRTI NAGAR, NEW DELHI-110015, INDIA

DATE OF REGISTRATION	01/04/2014	
TITLE	BOTTLE	



#### FRONT VIEW

#### PRIORITY NA

DESIGN NUMBER	253725
CLASS	15-99

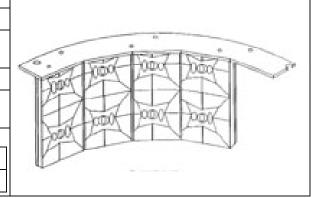
#### 1)SANDVIK INTELLECTUAL PROPERTY AB OF

SE-811 81 SANDVIKEN, SWEDEN, A SWEDISH COMPANY

DATE OF REGISTRATION	06/05/2013
TITLE	CRUSHER FEED HOPPER WEAR PROTECTION CASSETTE
DDIODITY	

#### PRIORITY

PRIORITY NUMBER	DATE	COUNTRY
001351126	14/11/2012	OHIM



DESIGN NUMBER		259998	
CLASS		26-06	
1)HONDA MOTOR CO., LTD., A . 1-1, MINAMI-AOYAMA 2-CHOM			
DATE OF REGISTRATION	03	3/02/2014	CAPACA I
TITLE	REAR COMBINATION LAMP FOR MOTOR SCOOTER		
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
2013-018251	08/08/2013	JAPAN	
DESIGN NUMBER		260128	
CLASS		15-07	
1)PRADEEPKUMAR NANDLAL DHOOT, INDIAN NATIONAL OF GANGAPURWALA, 2275 ADAT BAZAR, AHMEDNAGAR-414 001, MAHARASHTRA, INDIA.			
DATE OF REGISTRATION	0:	5/02/2014	
TITLE	HANDLE FOR REFRIGERATOR		
PRIORITY NA			
DESIGN NUMBER	259412		
CLASS	14-02		
1)HO E SCREW & HARDWARE ( EXISTING UNDER THE LAWS OF NO. 8, LANE 42, SEC. 2, NAN KE	TAIWAN) WHOSE A	ADDRESS IS	
DATE OF REGISTRATION	15/01/2014		
TITLE	MEMORY STICK		B
PRIORITY	PRIORITY		
PRIORITY NUMBER	DATE COUNTRY		
29/471,743	04/11/2013 U.S.A.		
29/471,743	04/11/2013 U.S.A.		

DESIGN NUMBER		259486	
CLASS		31-01	
1)MODERN PLASTIC IS A PROPRIETORSHIP FIRM OF GALA NO. 2 A, SINGH COMPOUND OSHIWARA, NAVPADA ROAD, OFF. S.V. ROAD, JOGESHWARI (WEST), MUMBAI-400 102 MAHARASHTRA INDIA			
DATE OF REGISTRATION	2	20/01/2014	1000
TITLE	HAND I	BLENDER BODY	0.000
PRIORITY NA			
DESIGN NUMBER		260223	
CLASS		12-16	
1)HONDA ACCESS CORP., A JA 18-4, NOBIDOME, 8-CHOME, N			4
DATE OF REGISTRATION	(	07/02/2014	
TITLE	REAR UNDER S	SPOILER FOR VEHICLES	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
1302002985	17/10/2013	THAILAND	
DESIGN NUMBER		260731	
CLASS		07-01	
MR. MAHESH S. SHETHIA SOI INDIAN COMPANY, 228-B, BOMBAY TALKIES CO MAHARASHTRA, INDIA	,		
DATE OF REGISTRATION	2	28/02/2014	
TITLE		BOX	
PRIORITY NA			

DESIGN NUMBER	259948	
CLASS	12-16	
1)TATA MOTORS LIMITED, AN BOMBAY HOUSE, 24 HOMI MO 400001, MAHARASHTRA, INDIA	INDIAN COMPANY OF DY STREET, HUTATMA CHOWK, MUMBAI	
DATE OF REGISTRATION	31/01/2014	
TITLE	GEAR KNOB OF A VEHICLE	
PRIORITY NA		
DESIGN NUMBER	260126	
CLASS	15-07	
1) <b>PRADEEPKUMAR NANDLAL</b> GANGAPURWALA, 2275 ADAT MAHARASHTRA, INDIA.	DHOOT, INDIAN NATIONAL OF BAZAR, AHMEDNAGAR-414 001,	
DATE OF REGISTRATION	05/02/2014	(A)
TITLE	REFRIGERATOR	
PRIORITY NA		
DESIGN NUMBER	260150	
CLASS	08-06	
SAKHIYA (3) PRAVINBHAI VALJI ADULT & INDIAN NATIONAL) PA PARTNER SHIP FIRM) HAVING P	D, OP: JAYANT CASTING, ATIKA DHEBAR	
DATE OF REGISTRATION	06/02/2014	
TITLE	HANDLE	
PRIORITY NA	<u>'</u>	

DESIGN NUMBER	260222
CLASS	12-16

#### 1)HONDA ACCESS CORP., A JAPANESE CORPORATION OF

18-4, NOBIDOME, 8-CHOME, NIIZA-SHI, SAITAMA, 352-8589 JAPAN

DATE OF REGISTRATION	07/02/2014
TITLE	SIDE UNDER SPOILER FOR VEHICLES



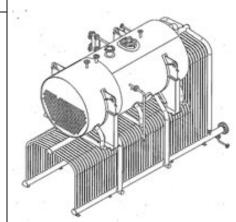
PRIORITY NUMBER	DATE	COUNTRY
1302002984	17/10/2013	THAILAND

DESIGN NUMBER	260555
CLASS	23-03

### 1)THERMAX LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, AT

D 13, MIDC INDUSTRIAL AREA, R. D. AGA ROAD, CHINCHWAD, PUNE-411019, MAHARASHTRA, INDIA.

DATE OF REGISTRATION	21/02/2014	
TITLE	BOILER	



DIONEPROPRETIVE VIEW

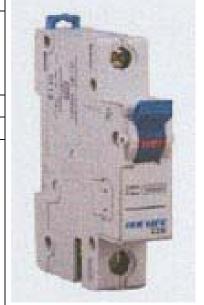
#### PRIORITY NA

DESIGN NUMBER	260647
CLASS	13-03

# 1)GEM MANUFACTURERS PRIVATE LIMITED, AN INDIAN COMPANY, INCORPORATED UNDER THE INDIAN COMPANIES ACT 1956, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT

23, 24, TEXTOOL FEEDER ROAD, INDUSTRIAL ESTATE, GANAPATHY, COIMBATORE-641 006, STATE OF TAMIL NADU, INDIA

DATE OF REGISTRATION	27/02/2014	
TITLE	CONTACT BREAKERS	



DESIGN NUMBER	260947	
CLASS	12-09	
1)TRACTORS AND FARM EQUIP INCORPORATED UNDER THE CO REGISTERED OFFICE AT NO. 861, ANNASALAI, CHENNAI	MPANIES ACT, 1956, HAVING ITS	
DATE OF REGISTRATION	13/03/2014	
TITLE	TRACTOR	
PRIORITY NA		0
DESIGN NUMBER	260174	
CLASS	12-05	
1)TADANO LTD., A JAPANESE CORPORATION OF KO-34, SHINDEN-CHO, TAKAMATSU-SHI, KAGAWA 761-0185, JAPAN		End as a
DATE OF REGISTRATION	06/02/2014	
TITLE	CRANE TRUCK	
PRIORITY NA		
DESIGN NUMBER	261351	
CLASS	08-07	A 04
1)SH. NEERAJ MAHESHWARI, P. INDUSTRIES, B-12, INDUSTRIAL ESTATE, ALI NATIONAL)	ROPRIETOR M/S CENT METAL  GARH-202001 (UTTAR PRADESH) (INDIAN	
DATE OF REGISTRATION	28/03/2014	
TITLE	DOOR BOLT	
PRIORITY NA		4.

DESIGN NUMBER	260752	
CLASS	07-01	
ALL PARTNERS OF M/S NAYASA I CONCERN DURING REGISTERED HAVING ADDRESS AT	MANASI SACHDEV AND MR. RAVI CHAWLA MULTIPLAST BEING A PARTNERSHIP UNDER THE PARTNERSHIP ACT, 1932  B, VILLAGE VELA BATHRI, TAHASIL HAROLI, PRADESH	
DATE OF REGISTRATION	03/03/2014	
TITLE	WATER COOLER	
PRIORITY NA		
DESIGN NUMBER	259965	
CLASS	12-16	$\sim$
1)TATA MOTORS LIMITED, AN I BOMBAY HOUSE, 24 HOMI MOD 001, MAHARASHTRA, INDIA  DATE OF REGISTRATION  TITLE  PRIORITY NA	OY STREET, HUTATMA CHOWK, MUMBAI 400  31/01/2014  GEAR KNOB OF A VEHICLE	
DESIGN NUMBER	260009	
CLASS	12-16	
1)TATA MOTORS LIMITED, AN INDIAN COMPANY OF BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400 001, MAHARASHTRA, INDIA		
DATE OF REGISTRATION	31/01/2014	
TITLE	FENDER OF A VEHICLE	
PRIORITY NA		

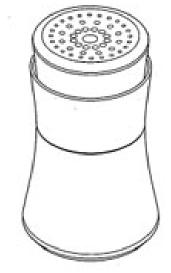
DESIGN NUMBER	259747	
CLASS	12-16	SPLIMITED 5
UNDER THE COMPANIES ACT,	D, AN INDIAN COMPANY INCORPORATED HAVING ITS OFFICE AT ASANT LOK, VASANT VIHAR, NEW DELHI-110	
DATE OF REGISTRATION	28/01/2014	
TITLE	FUEL TANK FOR A TWO WHEELED VEHICLE	
PRIORITY NA		
DESIGN NUMBER	260169	
CLASS	08-03	
1)M/S R.T. ENGINEERING HAVING REGISTERED OFFICE AT, NO. 75, RAKACHI GARDEN, MANIKARANPALAYAM, GANAPATHY, COIMBATORE-641 006, INDIA		
DATE OF REGISTRATION	06/02/2014	,
TITLE	SHEAR FOR CUTTING LEAVES	
PRIORITY NA		
DESIGN NUMBER	260226	
CLASS	03-01	5
1)ROYALTY BUGABOO GMBI SCHMIDGASSE 3, CH-6300 ZU		
DATE OF REGISTRATION	07/02/2014	
TITLE	SUITCASE	
PRIORITY NA		

DESIGN NUMBER	260278
CLASS	09-01

### 1)RECKITT BENCKISER LLC, A LIMITED LIABILITY COMPANY INCORPORATED IN THE STATE OF DELAWARE, U.S.A. OF

MORRIS CORPORATE CENTER IV, 399 INTERPACE PARKWAY, PARSIPPANY, NEW JERSEY 07054, U.S.A.

DATE OF REGISTRATION	11/02/2014
TITLE	DISPENSER FOR LIQUID



#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
002292334	15/08/2013	OHIM

DESIGN NUMBER	260328
CLASS	08-09

### 1)MONGA BROTHERS LIMITED, B-16, PHASE-II, FOCAL POINT, LUDHIANA-141 010 (PUNJAB) (INDIA)

(AN INDIAN COMPANY DULY REGISTERED UNDER THE COMPANIES ACT, 1956) OF THE ABOVE ADDRESS

DATE OF REGISTRATION	14/02/2014
TITLE	HEADS FOR GATES AND GRILLS



#### PRIORITY NA

DESIGN NUMBER	261792
CLASS	19-06

#### 1)WIN PENS PVT. LTD., AN INDIAN COMPANY OF

209, AJC BOSE ROAD, KARNANI ESTATE, KOLKATA-700017, WEST BENGAL, INDIA

DATE OF REGISTRATION	16/04/2014
TITLE	REFILL FOR A WRITING INSTRUMENT



DESIGN NUMBER		261249	
CLASS		23-03	
1)ATLANTIC SOCIETE FRANC COMPANY INCORPORATED UT 44, BOULEVARD DES ETATS-			
DATE OF REGISTRATION	20	6/03/2014	
TITLE	WAT	TER BOILER	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
779121201	05/12/2013	WIPO	
DESIGN NUMBER		259999	
CLASS		26-06	
1) <b>HONDA MOTOR CO., LTD.,</b> 1-1, MINAMI-AOYAMA 2-CHO JAPAN	A. a. a.		
DATE OF REGISTRATION	0:	3/02/2014	
TITLE	FRONT COMBINATION LAMP FOR MOTOR SCOOTER		
PRIORITY	<del>-</del>		
PRIORITY NUMBER	DATE	COUNTRY	5
2013-018250	08/08/2013	JAPAN	_
DESIGN NUMBER		260129	
CLASS		15-07	
1) <b>PRADEEPKUMAR NANDLA</b> GANGAPURWALA, 2275 ADA MAHARASHTRA, INDIA.			
DATE OF REGISTRATION	0:	5/02/2014	
TITLE	HANDLE FO	OR REFRIGERATOR	
PRIORITY NA			

DESIGN NUMBER	2	59742	
CLASS		12-11	-
1)HERO MOTOCORP LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, HAVING ITS OFFICE AT 34, COMMUNITY CENTRE, BASANT LOK, VASANT VIHAR, NEW DELHI-110 057			
DATE OF REGISTRATION	28/	01/2014	
TITLE	TWO WHE	ELED VEHICLE	9-6
PRIORITY NA			
DESIGN NUMBER	2	60219	
CLASS		14-03	]
P.R.CHINA OF MEIZU TECHNOI INNOVATION COAST, ZHUHAI CIT CHINA  DATE OF REGISTRATION	Y, GUANGDONG PRO		
TITLE	MOBILE PHONE		
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	Professor
201330389778.2	14/08/2013	CHINA	
DESIGN NUMBER	2	60269	
CLASS	2	21-01	]
1)LUNA MANUFACTURING COMPANY, 6966, AHATA KIDARA, PAHARI DHIRAJ, DELHI-110006 (INDIA), (AN INDIAN PARTNERSHIP FIRM), WHOSE PARTNERS ARE RAJ KUMAR JAIN & KANWAR BHAN JAIN, BOTH INDIAN NATIONALS AND AT THE SAME ABOVE ADDRESS			
DATE OF REGISTRATION	11/02/2014		6
TITLE	TOY		
PRIORITY NA			

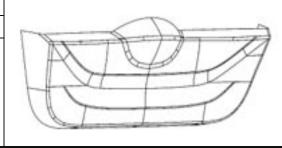
DESIGN NUMBER		262015	
CLASS	05-05		
1)M/S. BIBA APPARELS PRIVATE COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUMA INDIA			
DATE OF REGISTRATION	2	5/04/2014	60
TITLE	TEXT	ΓILE FABRIC	
PRIORITY NA			
DESIGN NUMBER		258704	
CLASS		09-01	
AMERICA WHO ARE AMERICAN			
TITLE	DISPENSER WITH APPLICATOR		<del>-</del>   ,
PRIORITY	DISPENSER	WITH AFFLICATOR	-   '
PRIORITY NUMBER	DATE COUNTRY		
29/458,188	17/06/2013 U.S.A.		
DESIGN NUMBER		259882	
CLASS		23-01	
1)ALPESH KANTILAL PATEL, A PRINCIPAL PLACE OF BUSINESS VAASTU, TF-302, 2/3 JYOTI NAC	AT,	,	
DATE OF REGISTRATION	3	1/01/2014	
TITLE	GERM-KILL DEVICE FOR WATER FILTER		.R
PRIORITY NA			7670

DESIGN NUMBER	259931	
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	31/01/2014	
TITLE	TAILGATE TRIM OF A VEHICLE	



#### PRIORITY NA

DESIGN NUMBER	259191	
CLASS	12-16	

# 1)M/S. PRIMROSE MULTIPLAST PVT. LIMITED; A COMPANY INCORPORATED AND EXISTING UNDER THE LAWS OF INDIAN COMPANIES ACT, 1956; OF THE ADDRESS:

2416, M.I.E., BAHADURGARH-124507, HARYANA

DATE OF REGISTRATION	03/01/2014	
TITLE	REAR GUARD CORNER FOR VEHICLES	



#### PRIORITY NA

DESIGN NUMBER	260224	
CLASS	12-16	

### 1)HONDA ACCESS CORP., A JAPANESE CORPORATION OF

18-4, NOBIDOME, 8-CHOME, NIIZA-SHI, SAITAMA, 352-8589 JAPAN

DATE OF REGISTRATION		07/02/2014		
TITLE		TRUNK SPOILER FOR VEHICLES		
PRIORITY				
PRIORITY NUMBER		DATE	COUNTRY	
1302002986		17/10/2013	THAILAND	



DESIGN NUMBER	260902			
CLASS	03-01			
1)VENUS INTERNATIONAL, OS AREA-C, LUDHIANA-141003 IND AN INDIAN PROPRIETORSHIP CHHABRA BEING INDIAN NATIO				
DATE OF REGISTRATION	Blac III			
TITLE	TOOL BOX FOR SPANNERS	P		
PRIORITY NA				
DESIGN NUMBER	261246			
CLASS	<b>ASS</b> 15-01			
1)TATA MOTORS LIMITED, AN BOMBAY HOUSE, 24 HOMI MO 400001, MAHARASHTRA, INDIA				
DATE OF REGISTRATION	25/03/2014	00		
TITLE	ALTERNATOR BELT COVER OF AN ENGINE			
PRIORITY NA				
DESIGN NUMBER	260732			
CLASS	07-01			
1)MR. MAHESH SHETHIA, SOI INDIAN COMPANY, 228-B, BOMBAY TALKIES COM MAHARASHTRA, INDIA				
DATE OF REGISTRATION	28/02/2014			
TITLE	BOX			
PRIORITY NA	·			

DESIGN NUMBER	2	253724	
CLASS		15-99	
1)SANDVIK INTELLECTUAL PR SE-811 81 SANDVIKEN, SWEDE			
DATE OF REGISTRATION	06	/05/2013	
TITLE		PPER WEAR PROTECTION SSETTE	
PRIORITY			Transfer ver
PRIORITY NUMBER	DATE	COUNTRY	Perspective view
001351126	14/11/2012	OHIM	
DESIGN NUMBER	2	259895	
CLASS		12-16	
1)TATA MOTORS LIMITED, AN BOMBAY HOUSE, 24 HOMI MO 400001, MAHARASHTRA, INDIA			
DATE OF REGISTRATION	31/01/2014		
TITLE	FRONT VALANCE OF A VEHICLE		assaure or
PRIORITY NA			
DESIGN NUMBER	260127		
CLASS	15-07		
1)PRADEEPKUMAR NANDLAL I GANGAPURWALA, 2275 ADAT MAHARASHTRA, INDIA.			
DATE OF REGISTRATION	05/02/2014		
TITLE	REFRIGERATOR		
PRIORITY NA			

DESIGN NUMBER	<u> </u>	260148	
CLASS		08-06	1
1)RASIKLAL GHUSABHAI CHOV PROPRIETOR OF M K TECHNOCA HAVING PLACE OF BUSINESS AT-2, PATEL NAGAR, SADBHAV FEET MAIN ROAD, RAJKOT-GUJAR	AST (INDIAN PROPR 'NA, PLOT, NR: BHAO	LIETORSHIP CONCERN)	
DATE OF REGISTRATION	06	5/02/2014	
TITLE	Н	ANDLE	
PRIORITY NA			1
DESIGN NUMBER		260221	
CLASS		12-16	1
1)HONDA ACCESS CORP., A JAP 18-4, NOBIDOME, 8-CHOME, NII			
DATE OF REGISTRATION	07	7/02/2014	
TITLE	FRONT UNDER S	POILER FOR VEHICLES	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	FRONT PERSPECTIVE VIEW
1302002983	17/10/2013	THAILAND	
DESIGN NUMBER		260273	
CLASS		13-03	
1)CPL ELECTRICALS (INDIA) PE INCORPORATED UNDER THE INI REGISTERED OFFICE AT 3, MADHUBAN INDUSTRIAL ES' ANDHERI (EAST), MUMBAI-400093, ABOVE ADDRESS			
DATE OF REGISTRATION	11	/02/2014	
TITLE	SWIT	CH SOCKET	
PRIORITY NA			

DESIGN NUMBER	260645	
CLASS	13-03	

# 1)GEM MANUFACTURERS PRIVATE LIMITED, AN INDIAN COMPANY, INCORPORATED UNDER THE INDIAN COMPANIES ACT 1956, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT

23, 24, TEXTOOL FEEDER ROAD, INDUSTRIAL ESTATE, GANAPATHY, COIMBATORE-641 006, STATE OF TAMIL NADU, INDIA

DATE OF REGISTRATION	27/02/2014
TITLE	CONTACT BREAKERS



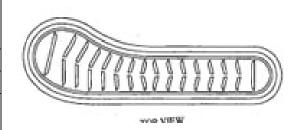
#### PRIORITY NA

DESIGN NUMBER	260728	
CLASS	02-04	

#### 1)KABUSHIKI KAISHA HIMIKO (HIMIKO CO., LTD),

17-10, JINGUMAE 6-CHOME, SHIBUYA-KU, TOKYO, JAPAN, NATIONALITY: JAPAN

DATE OF REGISTRATION	28/02/2014		
TITLE	INSOLE OF FOOTWEAR		
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
2013-025394	30/10/2013	JAPAN	

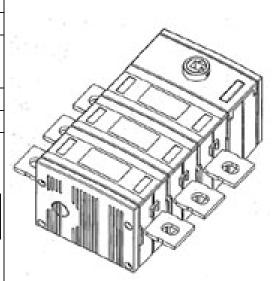


DESIGN NUMBER	259884	
CLASS	13-03	

#### 1) SIEMENS AKTIENGESELLSCHAFT,

OF WITTELSBACHERPLATZ 2, 80333 MUNCHEN, GERMANY, A GERMAN COMPANY

DATE OF REGISTRATION	31/01/2014	
TITLE	"SWITCHING DEVICE"	



#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
001381305	20/08/2013	OHIM

DESIGN NUMBER	259933	
CLASS	ASS 12-16	
1)TATA MOTORS LIMITED, AN BOMBAY HOUSE, 24 HOMI MOI 400001, MAHARASHTRA, INDIA	INDIAN COMPANY OF DY STREET, HUTATMA CHOWK, MUMBAI	
DATE OF REGISTRATION	31/01/2014	
TITLE	WINDSCREEN DEMIST OF A VEHICLE	100
PRIORITY NA		PERSPECTIVE VIEW
DESIGN NUMBER	259993	
CLASS	26-06	2
1)TATA MOTORS LIMITED, AN BOMBAY HOUSE, 24 HOMI MOI 400001, MAHARASHTRA, INDIA	INDIAN COMPANY OF DY STREET, HUTATMA CHOWK, MUMBAI	
DATE OF REGISTRATION	31/01/2014	Allicalition
TITLE	TAIL LAMP OF A VEHICLE	PERSPECTIVE VIEW
PRIORITY NA		
DESIGN NUMBER	260282	
<b>CLASS</b> 08-06		
1)KICH ARCHITECTURAL PROI NAME YOGESHWAR MAIN ROAD 360002, GUJARAT HAVING ITS PRINCIPAL PLACE INDIAN		
DATE OF REGISTRATION	11/02/2014	
TITLE	HANDLE	
PRIORITY NA		

DESIGN NUMBER	260519	
CLASS	23-04	
BUSINESS IN THE FIRM NAME AN REGISTERED PARTNERSHIP FIR	TE NO. 6, SAKI VIHAR ROAD, ANDHERI (EAST),	
DATE OF REGISTRATION	21/02/2014	
TITLE	PORTABLE AIR CONDITIONER	
PRIORITY NA		
DESIGN NUMBER	260607	
CLASS	14-01	
COMPANY HAVING ITS ADDRESS 296-BANGLA CHOWK, NEB SAR MAIN ROAD, DELHI-110068  DATE OF REGISTRATION  TITLE  PRIORITY NA	26/02/2014  ELECTRONIC UNIT FOR AUDIO AND VIDEO DISPLAY	
DESIGN NUMBER	261442	
CLASS	23-02	
1)1) MR. BHAILAL R. GADA 2) M AND 4) MRS. LEENA N. GADA PAR JYOTI INDUSTRIES INDIA, A REG HAVING ITS REGISTERED OFFIC 209, KALIANDAS UDYOG BHAV 400025, STATE OF MAHARASHTRA		
DATE OF REGISTRATION	01/04/2014	
TITLE	STRAINER	
PRIORITY NA		

DESIGN NUMBER		222580	
CLASS	21-01		
1)GLOBAL ON PUZZLES PVT. LT 97, UPTON STREET, BUNDALL,		AUSTRALIA	A Property of the Control of the Con
DATE OF REGISTRATION	24	1/04/2009	A A
TITLE	BOA	ARD GAME	
PRIORITY NA			
DESIGN NUMBER		259744	
CLASS		12-16	
1)HERO MOTOCORP LIMITED, A UNDER THE COMPANIES ACT, HA 34, COMMUNITY CENTRE, BASA 057	AVING ITS OFFICE	AT	
DATE OF REGISTRATION	28	3/01/2014	
TITLE	TAIL SECTION FOR A TWO WHEELED VEHICLE		PAR
PRIORITY NA			- 10
DESIGN NUMBER		260551	
CLASS	13-03		
1)ABB TECHNOLOGY LTD., OF AFFOLTERNSTRASSE 44, 805	0 ZÜRICH, SWITZER	LAND	
DATE OF REGISTRATION	21/02/2014		
TITLE	HOUSING FOR ELECTRICAL BREAKER		
PRIORITY			
PRIORITY NUMBER	DATE COUNTRY		
002309815-0002	16/09/2013 OHIM		

DESIGN NUMBER	260321		
CLASS	07-07		
1)SONAL PLASTICS, K-78/79, OL RAMCHANDRA LANE EXTENSIO 400064, MAHARASHTRA, INDIA, A THE INDIAN PARTNERSHIP ACT, MADANLAL M. DHOKA, (2) SMT. (3) SMT. MEENU M. DHOKA, RE MAHARASHTRA, INDIA, ALL OF IN	N, KANCHPADA, MA PARTNERSHIP FIF WHOSE PARTNER NAINA N. DHOKA, SIDENT OF MALAD	ALAD WEST, MUMBAI- RM REGISTERED UNDER S ARE (1) SHRI WEST, MUMBAI-400064,	
DATE OF REGISTRATION	1-	4/02/2014	
TITLE		MUG	
PRIORITY NA			
DESIGN NUMBER		259880	
CLASS		12-16	
1)MITSUBISHI ELECTRIC CORF ORGANIZED AND EXISTING UND MANUFACTURERS AND MERCHA 7-3, MARUNOUCHI 2-CHOME, C	ER THE LAWS OF J ANTS, OF THE ADDI HIYODA-KU, TOKYO	JAPAN, RESS D 100-8310, JAPAN	
DATE OF REGISTRATION		1/01/2014	
TITLE		R OF AC GENERATOR FOR EHICLES	
PRIORITY PRIORITY NUMBER 2013-020312	DATE 03/09/2013	COUNTRY JAPAN	
DESIGN NUMBER		260339	
CLASS	19-06		
1)BUDH CHETAN JAYENDRA, N SATYAM, 33 KETAN SOCIETY, 0 ESTATE, JAMNAGAR 361008, GUJA	OPP. MEERA APART		
DATE OF REGISTRATION	14/02/2014		
TITLE	COMPASS		
PRIORITY NA			

DESIGN NUMBER	260521	
CLASS	08-06	
KALAWAD ROAD, METODA, RAJI	D., G: 212-215, LODHIKA, G.I.D.C., KOT-360 003, STATE OF GUJARAT INDIA, Y INCORPORATED UNDER INDIAN	
DATE OF REGISTRATION	21/02/2014	( ))
TITLE	HANDLE	
PRIORITY NA		
DESIGN NUMBER	260562	
CLASS	09-01	
	EA, PHASE 2, NEW DELHI-110020, INDIA, A R THE COMPANIES ACT, 1956, OF THE ABOVE	
DATE OF REGISTRATION	21/02/2014	
TITLE	BOTTLE	
PRIORITY NA		
DESIGN NUMBER	260097	
CLASS	12-16	
1)TATA MOTORS LIMITED, AN I BOMBAY HOUSE, 24 HOMI MOD 001, MAHARASHTRA, INDIA	NDIAN COMPANY OF DY STREET, HUTATMA CHOWK, MUMBAI 400	
DATE OF REGISTRATION	03/02/2014	A TOWN TO A
TITLE	DRIVER'S CAB OF A VEHICLE	ENEWSIE
PRIORITY NA		

FRONT VIEW

DESIGN NUMBER		259745	
CLASS		12-16	
1)HERO MOTOCORP LIMITEI UNDER THE COMPANIES ACT, 34, COMMUNITY CENTRE, BA 057	HAVING ITS OFFICE	AT	
DATE OF REGISTRATION	28	8/01/2014	
TITLE		CLUSTER FOR A TWO LED VEHICLE	
PRIORITY NA			
DESIGN NUMBER		260550	
CLASS		13-03	
1)ABB TECHNOLOGY LTD., OF AFFOLTERNSTRASSE 44, 8	3050 ZÜRICH, SWITZER	RLAND	
DATE OF REGISTRATION	2	1/02/2014	
TITLE	HOUSING FOR E	ELECTRICAL BREAKER	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
002309815-0001	16/09/2013	OHIM	
DESIGN NUMBER		260640	
CLASS		09-03	
1)ACCESS BUSINESS GROUP I 7575 FULTON STREET EAST, A LIMITED LIABILITY COMPANY,	ADA, MICHIGAN 49355		
DATE OF REGISTRATION	20	5/02/2014	
TITLE	CO	NTAINER	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
29/465,603	29/08/2013	U.S.A.	

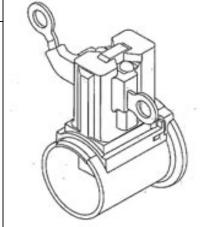
DESIGN NUMBER	261828	
CLASS	02-02	
REGISTERED UNDER THE INDIAL AT 3, THAKUR COMPOUND, 1ST FL	AN INDIAN PRIVATE LIMITED COMPANY N COMPANIES ACT, 1956), HAVING OFFICE OOR, NEXT TO ABB, USV LTD., LANE, OFF. T), MUMBAI-400088, MAHARASHTRA, INDIA	
DATE OF REGISTRATION	17/04/2014	
TITLE	GARMENT (SET)	ACCOUNT OF THE PARTY OF THE PAR
PRIORITY NA		
DESIGN NUMBER	258250	
CLASS		
INDUSTRIES WHOSE ADDRESS IS	ROPRIETOR OF M/S ARUN PLASTIC NA INDUSTRIAL AREA, DELHI-110039, INDIA	
DATE OF REGISTRATION	20/11/2013	The state of the s
TITLE	SOLE OF FOOTWEAR	
PRIORITY NA		
DESIGN NUMBER	258325	
CLASS	08-08	
SOLE PROPRIETOR OF NILKANT PROPRIETORSHIP CONCERN) HA	· · · · · · · · · · · · · · · · · · ·	
DATE OF REGISTRATION	25/11/2013	
TITLE	CURTAIN BRACKET	
PRIORITY NA		

DESIGN NUMBER	259879	
CLASS	12-16	
1)MITSUBISHI ELECTRIC CORPORATION, A JAPANESE COMPANY		

1)MITSUBISHI ELECTRIC CORPORATION, A JAPANESE COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF JAPAN, MANUFACTURERS AND MERCHANTS, OF THE ADDRESS

7-3, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO 100-8310, JAPAN

DATE OF REGISTRATION	31/01/2014	
TITLE	BRUSH HOLDER OF AC GENERATOR FOR VEHICLES	



#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
2013-020311	03/09/2013	JAPAN

DESIGN NUMBER	260027	
CLASS	09-01	

#### 1)K. P. BEVARAGES, HAVING PLACE OF BUSINESS AT

NO: 9, 2ND MAIN, MICO LAYOUT, MAHALAKSHMIPURAM, BANGALORE-560 086 AND NATIONALITY OF INDIAN

DATE OF REGISTRATION	03/02/2014	
TITLE	BEVERAGE BOTTLE	



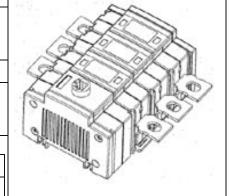
#### PRIORITY NA

DESIGN NUMBER	259717
CLASS	13-03

#### 1) SIEMENS AKTIENGESELLSCHAFT,

OF WITTELSBACHERPLATZ 2, 80333 MUNCHEN, GERMANY, A GERMAN COMPANY.

DATE OF REGISTRATION		27/01/2014	
TITLE		"SWITCHING DEVICE (EQUIPMENT FOR DISTRIBUTION OR CONTROL OF ELECTRIC POWER)"	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	



PRIORITY NUMBER	DATE	COUNTRY
001381305	20/08/2013	OHIM

DESIGN NUMBER		260305	
CLASS		12-06	
1)SHAANXI HANDE AXLE CO. JINGWEI INDUSTRIAL PARK, DEVELOPMENT ZONE, XI'AN CI' NATIONALITY: P.R. CHINA	XI'AN ECONOMIC AN		
DATE OF REGISTRATION	1:	3/02/2014	
TITLE		OF A POWER TRAIN FOR TRANSMISSION	
PRIORITY			CO COLOR
PRIORITY NUMBER	DATE	COUNTRY	
201330389521.7	14/08/2013	CHINA	
DESIGN NUMBER		260349	
CLASS		08-06	
A PRIVATE LIMITED COMPAI COMPANIES ACT., ABOVE ADDR DATE OF REGISTRATION	RESS	NDER INDIAN 	
DATE OF REGISTRATION	1	7/02/2014	
TITLE	I	HANDLE	_ 1
PRIORITY NA			
DESIGN NUMBER		260530	
CLASS		12-16	
1)NISSAN JIDOSHA KABUSHII MOTOR CO., LTD.), A JAPANES UNDER THE LAWS OF JAPAN, OF NO. 2 TAKARACHO, KANA KEN, JAPAN	E COMPANY, ORGAN	IZED AND EXISTING	
DATE OF REGISTRATION	2	1/02/2014	
TITLE	REAR BUMPE	R FOR AUTOMOBILE	
PRIORITY NA	•		

DESIGN NUMBER	258527	
CLASS	23-04	
1) <b>ORIENT PAPER &amp; INDUSTRIES</b> UNIT - VIII, PLOT NO. 7, BHOINA INDIA, AN INDIAN COMPANY	LIMITED, OF GAR, BHUBANESHWAR-751012 (ORISSA),,	
DATE OF REGISTRATION	02/12/2013	
TITLE	COOLER	
PRIORITY NA		
DESIGN NUMBER	257473	
CLASS	09-03	
1)PAWAN ARORA (AN INDIAN NA O-4, SECTOR-I, DSIDC, BAWANA [INDIA]	ATIONAL) INDUSTRIAL AREA, NEW DELHI-110039,	
DATE OF REGISTRATION	14/10/2013	
TITLE	CONTAINER	
PRIORITY NA		
DESIGN NUMBER	254053	
CLASS	21-01	04
1)PRASHANTH NEDUMARAN, AN NEW NO. 12, ANANDAPURAM, D 004, AN INDIA NATIONAL	N INDIAN NATIONAL, PR. RANGA ROAD, MYLAPORE, CHENNAI 600	

23/05/2013

GAME BOARD SET

DATE OF REGISTRATION

TITLE

PRIORITY NA

DESIGN NUMBER		259284	
CLASS	24-01		and the same of th
1)DAMLE NARENDRA, AN INDIA VIHAR, LANE NO. 4, DAHANJKAR MAHARASHTRA, INDIA AND VAR HAVING ADDRESS AT 520, SHANIWAR PETH, PUNE-41	R COLONY KOTHUR RTAK RAVINDRA, A	UD, PUNE-411038, N INDIAN NATIONAL	
DATE OF REGISTRATION	07	7/01/2014	
TITLE	SURGICA	AL SAW BLADE	
PRIORITY NA			3.5
DESIGN NUMBER		260177	
CLASS		12-05	
1)TADANO LTD., A JAPANESE CORPORATION OF KO-34, SHINDEN-CHO, TAKAMATSU-SHI, KAGAWA 761-0185, JAPAN			
DATE OF REGISTRATION	06/02/2014		
TITLE	CRANE TRUCK		
PRIORITY NA			
DESIGN NUMBER		260236	
CLASS		28-03	
1)PIERENKEMPER GMBH, A CO OF GERMANY, AM GEIERSBERG 6, D-35630 EH			All masses of the same of the
DATE OF REGISTRATION	10/02/2014		
TITLE	ELECTROSTIMULATION APPARATUS		
PRIORITY			
PRIORITY NUMBER	DATE COUNTRY		
002319442-0001	02/10/2013	OHIM	

DESIGN NUMBER	260346
CLASS	12-08

#### 1) HYUNDAI MOTOR COMPANY,

231, YANGJAE-DONG, SEOCHO-KU, SEOUL, REPUBLIC OF KOREA, A KOREAN COMPANY

DATE OF REGISTRATION	14/02/2014
TITLE	PASSENGER CAR



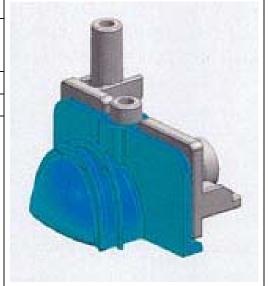
#### PRIORITY NA

DESIGN NUMBER	260569
CLASS	15-05

#### 1)LG ELECTRONICS INC. OF

20, YEOUIDO-DONG, YEONGDEUNGPO-GU, SEOUL 150- 721, REPUBLIC OF KOREA.

DATE OF REGISTRATION	21/02/2014	
TITLE	JETSPRAY FOR WASHING MACHINE	



#### PRIORITY NA

DESIGN NUMBER	260626
CLASS	23-04

## 1)SYMPHONY LIMITED (A COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956) HAVING HIS PLACE OF BUSINESS AT

"SAUMYA", BAKERI CIRCLE, NAVRANGPURA, AHMEDABAD-380 014 (GUJARAT) INDIA

DATE OF REGISTRATION	26/02/2014	
TITLE	AIR COOLER	



#### PRIORITY NA

DESIGN NUMBER		260655	
CLASS	02-04		
1)SHRI KHATU SHYAM POLYTE AREA, PHASE-1, DELHI-110053, IN WHOSE PARTNERS ARE:- SH SH SANTOSH BINDAL & SMT. TRIPTA ABOVE ADDRESS	<b>DIA. (ÁN INDIÁN PA</b> ALIESH GOEL, SH. N	ARTNERSHIP FIRM NAVEEN GOEL, SMT.	
DATE OF REGISTRATION	27	7/02/2014	Will and the second
TITLE	FO	OTWEAR	
PRIORITY NA			
DESIGN NUMBER		260794	
CLASS		08-01	
1)GUJRAL POLYMERS, D-329, INDUSTRIAL FOCAL POINT, PATIALA-147003 (PB.) INDIA, AN INDIAN NATIONAL			
DATE OF REGISTRATION	05/03/2014		
TITLE	НОЕ		
PRIORITY NA			
DESIGN NUMBER	258611		
CLASS	06-04		
1)HERMAN MILLER, INC., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF MICHIGAN, UNITED STATES OF AMERICA,  OF MS 0440, 855 EAST MAIN AVENUE, P.O. BOX 302, ZEELAND, MICHIGAN 49464-0302, UNITED STATES OF AMERICA			
DATE OF REGISTRATION	06/12/2013		
TITLE	STORAGE COMPONENT		
PRIORITY			
PRIORITY NUMBER	DATE COUNTRY		
29/457,260	07/06/2013 U.S.A.		

DESIGN NUMBER		260013	
CLASS	26-06		
1)TATA MOTORS LIMITED, AND BOMBAY HOUSE, 24 HOMI MOI 001, MAHARASHTRA, INDIA			
DATE OF REGISTRATION	31	/01/2014	
TITLE	FOG LAM	P OF A VEHICLE	
PRIORITY NA			
DESIGN NUMBER		259122	
CLASS		13-03	^
1)ABB TECHNOLOGY LTD., A SV AFFOLTERNSTRASSE 44, ZURIO		RLAND	
DATE OF REGISTRATION	30/12/2013		
TITLE	ELECTRICAL FREQUENCY CONVERTER CABINET		
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
201330352246.1	25/07/2013	CHINA	
DESIGN NUMBER		260239	
CLASS		24-02	
1)THE DIRECTOR GENERAL DEFENCE RESEARCH AND DEVELOPMENT ORGANISATION, MINISTRY OF DEFENCE, GOVT. OF INDIA, ROOM NO. 348, B-WING, DRDO BHAWAN, RAJAJI MARG, NEW DELHI-110105, INDIA, NATIONALITY: INDIAN"			Sales
DATE OF REGISTRATION	10/02/2014		
TITLE	NEEDLE ARRAY ELECTRODE		
PRIORITY NA			

DESIGN NUMBER	260656	
CLASS	02-04	
AREA, PHASE-1, DELHI-110053, IN WHOSE PARTNERS ARE:- SH SH	XURE, T-5/250, MANGOLPURI INDUSTRIAL DIA. (AN INDIAN PARTNERSHIP FIRM IALIESH GOEL, SH. NAVEEN GOEL, SMT. BINDAL. AN INDIAN NATIONAL OF THE	12 mic
DATE OF REGISTRATION	27/02/2014	
TITLE	FOOTWEAR	
PRIORITY NA		
DESIGN NUMBER	260897	
CLASS	15-03	
WHOSE PARTNERS ARE:- MANMOHAN SINGH, SUKH SOF & GURPREET SINGH BEING INDIAN	IAN SINGH, TEJDEEP SINGH, HARDEEP SINGH N NATIONALS OF THE ABOVE ADDRESS	
DATE OF REGISTRATION	11/03/2014	
TITLE	MULTI CROP PLANTING MACHINE	M.
PRIORITY NA		
DESIGN NUMBER	262098	
CLASS	06-11	
	LTD., AN INDIAN COMPANY OF IAL AREA, JAIPUR-302020, RAJASTHAN,	
DATE OF REGISTRATION	28/04/2014	
TITLE	CARPET	
PRIORITY NA		

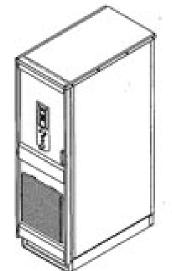
DESIGN NUMBER	259123	
CLASS	13-03	
1)ABB TECHNOLOGY LTD., A SWISS COMPANY OF		

AFFOLTERNSTRASSE 44, ZURICH, CH-8050, SWITZERLAND		
DATE OF REGISTRATION	30/12/2013	

TITLE	ELECTRICAL FREQUENCY CONVERTER
IIILE	CABINET

#### PRIORITY

I III O III I		
PRIORITY NUMBER	DATE	COUNTRY
201330352246.1	25/07/2013	CHINA



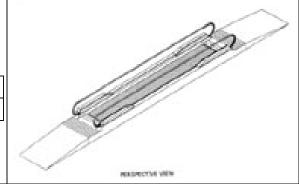
DESIGN NUMBER	262000	
CLASS	12-05	
1)INVENTIO AC. A SWISS COMPANY OF		

#### 1)INVENTIO AG, A SWISS COMPANY OF POSTFACH, 6052 HERGISWIL, SWITZERLAND

*		
DATE OF REGISTRATION	24/04/2014	
TITLE	TRAVELATOR	

#### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY	
140426	16/01/2014	SWITZERLAND	



DESIGN NUMBER	258784	
CLASS	14-03	

#### 1)M/S G. M. MODULAR PVT. LTD.,

405/406, SHALIMAR MORYA PARK, BEHIND HYUNDAI SHOWROOM, ANDHERI (WEST), MUMBAI-400053., (INDIA)

DATE OF REGISTRATION	17/12/2013	
TITLE	BLUETOOTH PLAYER	





DESIGN NUMBER	259917	
CLASS	12-16	
1)TATA MOTORS LIMITED, AND BOMBAY HOUSE, 24 HOMI MOI 001, MAHARASHTRA, INDIA	INDIAN COMPANY OF DY STREET, HUTATMA CHOWK, MUMBAI 400	
DATE OF REGISTRATION	31/01/2014	
TITLE	REAR BUMPER OF A VEHICLE	The state of the s
PRIORITY NA		
DESIGN NUMBER	259289	
CLASS	26-02	
1)EVEREADY INDUSTRIES INDI 1, MIDDLETON STREET, KOLKA INDIAN COMPANY	A LTD. TA-700 071, WEST BENGAL, INDIA, AN	
DATE OF REGISTRATION	07/01/2014	
TITLE	TORCH	(a)     \\
PRIORITY NA		
DESIGN NUMBER	260170	
CLASS	15-99	
1)METALLIZING EQUIPMENT C E-101, M.I.A., PHASE-2, BASNI, J	OMPANY PVT. LTD., ODHPUR-342005, RAJASTHAN, (INDIA)	BOIL O
DATE OF REGISTRATION	06/02/2014	
TITLE	ARC SPRAY GUN	The state of the s
PRIORITY NA		

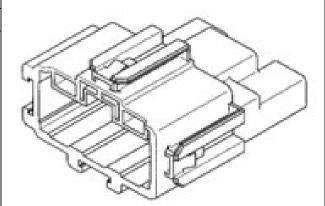
DESIGN NUMBER			260227	
CLASS			03-01	
1)ROYALTY BUGABOO GMBH OF SCHMIDGASSE 3, CH-6300 ZUG, SWITZERLAND			8	
DATE OF REGISTRATION		07	7/02/2014	# //
TITLE		FRAME	FOR SUITCASE	
PRIORITY NA				
DESIGN NUMBER			260279	
CLASS			09-01	
1)RECKITT BENCKISER LLC, A LIMITED LIABILITY COMPANY INCORPORATED IN THE STATE OF DELAWARE, U.S.A. OF MORRIS CORPORATE CENTER IV, 399 INTERPACE PARKWAY, PARSIPPANY, NEW JERSEY 07054, U.S.A.				
DATE OF REGISTRATION		11/02/2014		/
TITLE		BOTTLE		/
PRIORITY				
PRIORITY NUMBER		DATE	COUNTRY	
002292334		15/08/2013	OHIM	
DESIGN NUMBER	256245		256245	
CLASS		03-01		
1)FURLA S.P.A. VIA BELLARIA, 3-5 I-40068 SAN LAZZARO DI SAVENA (BOLOGNA) ITALY, NATIONALITY: ITALY.				
DATE OF REGISTRATION		05/09/2013		The same of the sa
TITLE		HANDBAG		
PRIORITY	DRITY			
PRIORITY NUMBER		DATE COUNTRY		
002223537-0001		19/04/2013 OHIM		MAJECINA VIEW

DESIGN NUMBER	261793	
CLASS	08-07	
1)GODREJ & BOYCE MFG. CO. I LOCKS DIVISION (PLANT-18), P 400079, MAHARASHTRA, INDIA, IN	IROJSHANAGAR, VIKHROLI, MUMBAI -	
DATE OF REGISTRATION	16/04/2014	
TITLE	FURNITURE LOCK	
PRIORITY NA		
DESIGN NUMBER	260518	
CLASS	13-99	
BUSINESS IN THE FIRM NAME AT REGISTERED PARTNERSHIP FIR 501, SOLARIS-II, OPP. L & T GAT MUMBAI-400072, MAHARASHTRA		
DATE OF REGISTRATION 21/02/2014		
TITLE	WATER GENERATOR	
PRIORITY NA		
DESIGN NUMBER	260606	
CLASS	24-99	
1)TELEMART SHOPPING NETWORK PRIVATE LIMITED, AN INDIAN COMPANY HAVING ITS ADDRESS AT: 296-BANGLA CHOWK, NEB SARAI, DISPENSARY STREET, IGNOU COLLEGE MAIN ROAD, DELHI-110068		SEC
DATE OF REGISTRATION	26/02/2014	
TITLE	MEDICAL APPARATUS FOR PAIN RELIEF	
PRIORITY NA		

DESIGN NUMBER	261250	
<b>CLASS</b> 13-03		
1)YAZAKI CORPORATION, A JAPANESE CORPORATION OF 4-28, MITA 1-CHOME, MINATO-KU, TOKYO 108-0073, JAPAN		
DATE OF REGISTRATION	26/03/2014	
TITLE	ELECTRICAL CONNECTOR HOUSING	

#### **PRIORITY**

11401411				
l	PRIORITY NUMBER	DATE	COUNTRY	
l	2013-024065	16/10/2013	JAPAN	



DESIGN NUMBER	258844
CLASS	11-01

## 1) BULGARI S.P.A. (A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF ITALY) OF THE ADDRESS

LUNGOTEVERE MARZIO, 11, I-00186 ROMA, ITALY

DATE OF REGISTRATION	18/12/2013	
TITLE	JEWELLERY SET	



PRIORITY NUMBER	DATE	COUNTRY
745218901	19/06/2013	WIPO



DESIGN NUMBER	259743
CLASS	12-11

# 1)HERO MOTOCORP LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, HAVING ITS OFFICE AT

34, COMMUNITY CENTRE, BASANT LOK, VASANT VIHAR, NEW DELHI-110 057

DATE OF REGISTRATION	28/01/2014
TITLE	TWO WHEELED VEHICLE



